12/30/52

Docket Room and Division:

Please leave markers in docket until next conference with Secretary.

COM(fw)

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA DMA Docket No. 2367

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

EXPLORATION PROJECT

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 REGION II
ONE COPY TO USGS & USBM. ONE RETAINED IN /

To:	CODE 700 Rm. 4640	Date	2-11-52
To:	~~Johnson 3621~~	Date	~~2/29/52~~
To:	~~Nelson 4534~~	Date	
To:	Operating Com	Date	3-5-52
To:	Mittendorf, 7624	Date	
To:	~~Mails & Files~~	Date	
To:	Mails & Files	Date	11-18-52
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
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To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

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F.T. & R [illegible]

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[illegible]

[illegible]

[illegible]

700
FILE COPY
SURNAME:

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

November 18, 1952

Memorandum

To: Robert E. Adams, Chief
Oper. Control and Statistics Division

From: Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

Subject: Docket No. DMEA-2367 (Copper)
U. S. Gold Corporation Mine
Tidal Wave (unorganized) Mining Dist.
Madison County, Montana

Mr. A. P. Clark, Vice President of the applicant corporation was advised on October 17, 1952, that the above docket would be considered closed on November 15, 1952, unless a copy of the lease covering the Morning Star Lode claim and Form [illegible] "Owner's Consent to Lien" signed by the owners of this mining claim were received.

Inasmuch as no response has been received to date, we are returning the docket to Mails and Files and are closing our records accordingly.

Ernest Wm. Ellis

11-18-52

Docket file herewith.

GLAult/FLKnouse/gla
11-18-52
cc to: Adm. Reading File
Docket
Messrs. C.H.Johnson, Rm. 3621
A.R.Kinkel, Rm. 5214 GSA
Mr. Ellis
Mr. Knouse
Field Team, Region II (2)

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

November 18, 1952

Memorandum

To: Robert E. Adams, Chief
Oper. Control and Statistics Division

From: Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

Subject: Docket No. DMEA-2367 (Copper)
U. S. Gold Corporation Mine
Tidal Wave (unorganized) Mining Dist.
Madison County, Montana

Mr. A. P. Clark, Vice President of the applicant corporation was advised on October 17, 1952, that the above docket would be considered closed on November 15, 1952, unless a copy of the lease covering the Morning Star Lode claim and Form MF-203 "Owner's Consent to Lien" signed by the owners of this mining claim were received.

Inasmuch as no response has been received to date, we are returning the docket to Mails and Files and are closing our records accordingly.

Ernest Wm. Ellis

Ernest Wm. Ellis

Docket file herewith.

FILE COPY
SURNAME:
700

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

OCT 17 1952

Mr. L. . Clark, Vice President
. . . Gold Corporation
Empire State Building
Spokane, Washington

Re: Docket No. -2367 (Copper)
. . Gold Corporation Mine
Wind Cave (unorganized) Mining Dist.
Madison County, Montana

Dear Mr. Clark:

Reference is made to your letter dated August 6, 1952, and a conversation between you and Mr. . Warren Robbs (Field Team Engineer for this Agency in Spokane, Washington. It was understood that you would forward to this Agency a copy of the lease covering the Morning Star Mode claim and Form-20 Owner's Consent to Lease signed by the owners of this mining claim. As was pointed out, these are required before the processing of your application can be completed.

In as much as we have not received these documents we assume that you no longer desire to proceed with your application. We wish to cooperate in the matter of allowing ample time, but if the nessary data has not been received by November 15, 1952, we will then consider the docket closed.

Sincerely yours,

Signed

For: Ernest . . Ellis, Chief
Rare and Misc. Metals

FLKnouse/jem 10/16/52
cc to: Adm. Reading File
Docket
Messrs. CHJohnson-3621
ARKinkel-5214 GSA
Ellis Knouse
Field Team, Region II (2)

8/18/52 glu

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

August 13, 1952

Air Mail

Mr. Frederick L. Knouse
Rare & Misc. Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket 2367, U. S. Gold Corporation
Twin Brdiges, Montana

Dear Mr. Knouse:

This is in regard to the information that you requested in a telephone conversation of August 13. I have contacted Mr. A. P. Clark of the U. S. Gold Corporation and have advised him of the problems you raised in your conversation with me. Mr. Clark will supply us with a lease which we will transmit to you as soon as we receive it. He also advised me that the Moonlight claim you referred to is held under lease and he will secure the necessary subordination agreements from the owners and send them to us just as soon as possible.

I believe this is the information that you will need to complete the contract. If there are any other questions, please contact us and we will try to get the answers to you as quickly as possible.

Sincerely yours,

S. Warren Hobbs

S. Warren Hobbs
Acting Member, DMEA
Field Team, Region II

cc: Op. Com., DMEA (2)
USBM (2)
Kiilsgaard

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
AUG 18 1952

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

So. 157 Howard Street
Spokane 4, Washington

August 13, 1952

Air Mail

Mr. Frederick L. Knouse
Rare & Misc. Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket 2367, U. S. Gold Corporation
Twin Brdiges, Montana

Dear Mr. Knouse:

This is in regard to the information that you requested in a telephone conversation of August 13. I have contacted Mr. A. P. Clark of the U. S. Gold Corporation and have advised him of the problems you raised in your conversation with me. Mr. Clark will supply us with a lease which we will transmit to you as soon as we receive it. He also advised me that the Moonlight claim you referred to is held under lease and he will secure the necessary subordination agreements from the owners and send them to us just as soon as possible.

I believe this is the information that you will need to complete the contract. If there are any other questions, please contact us and we will try to get the answers to you as quickly as possible.

Sincerely yours,

S. Warren Hobbs
Acting Member, DMEA
Field Team, Region II

cc: Op. Com., DMEA (2)
USBM (2)
Kiilsgaard

SWH/Bch

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

So. 157 Howard Street
Spokane 4, Washington

August 13, 1952

Air Mail

Mr. Frederick L. Knouse
Rare & Misc. Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket 2367, U. S. Gold Corporation
Twin Brdiges, Montana

Dear Mr. Knouse:

This is in regard to the information that you requested in a telephone conversation of August 13. I have contacted Mr. A. P. Clark of the U. S. Gold Corporation and have advised him of the problems you raised in your conversation with me. Mr. Clark will supply us with a lease which we will transmit to you as soon as we receive it. He also advised me that the Moonlight claim you referred to is held under lease and he will secure the necessary subordination agreements from the owners and send them to us just as soon as possible.

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Sincerely yours,

S. Warren Hobbs
Acting Member, DMEA
Field Team, Region II

cc: Op. Com., DMEA (2)
USBM (2)
Kiilsgaard

SWH/bell

A. P. CLARK
VICE PRESIDENT
& GENERAL MGR.

GENERAL OFFICE
~~405 CEDAR ST.~~
~~SPOKANE 1, WASH.~~
Empire State Bldg.
Spokane, Wash.
Temple 1434

U. S. GOLD CORPORATION

TWIN BRIDGES, MONTANA

August 6, 1952

Mr. Ernest Wm. Ellis
Defense Minerals Exploration
Washington, 25, D. C.

Re: Docket No. DMEA 2367 (copper)

Dear Mr. Ellis,

Will mail you, under separate cover, a copy of the lease covering the Morning Star Lode Claim, in the Tidal Wave Unorganized Mining District, Madison County, Montana, which will prove the U. S. Gold Corporation is lessee of said claim.

Re: the Benny Lode mining claim the survey no. is 9842-A.

U. S. Gold Corporation was incorporated in the state of Washington in 1946.

Sorry to be so long in answering, have been away from the mine for sometime.

Sincerely yours,

A P Clark

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 12 1952

FILE COPY
SURNAME:

FLKnouse
Ellis
CHJohnson

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

Mr. A. V. Clark, General Manager
U. S. Gold Corporation
Twin Bridges, Montana

Re: Docket No. DMEA-2367 (Copper)
U. S. Gold Corporation Mine
Tidal Wave (Unorganized) Mining
District
Madison County, Montana

Dear Mr. Clark:

Reference is made to our letter dated June 23, 1952, requesting information concerning mining claims on which you have applied for Government aid on the captioned exploration project.

The information requested is required before we can complete the processing of your application.

Sincerely yours,

SIGNED 7/24/52

Ernest M. Allin, Chief
Rare and Misc. Metals Division

FLKnouse/jem
7/24/52
cc to: Adm. Reading File
Docket
Messrs. CHJohnson-3621
Ned Nelson-4216 GSA
Ellis Knouse
Field Team, Region II (2)

FILE COPY
SURNAME:

700

FLKnouse
Ellis
Mutt

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

JUN 23 1952

Mr. A. P. Clark, General Manager
U. S. Gold Corporation
Twin Bridges, Montana

Re: Docket No. DMA-2367 (Copper)
U. S. Gold Corporation mine
Tidal Wave (Unorganized) Mining District
Madison County, Montana

Dear Mr. Clark:

Reference is made to your application for Government aid on the cautioned exploration project. Before we can continue with the processing of your application we will require some additional information:

The Agreement dated September 5, 1950, between Camilla Gale and your company, U. S. Gold Corporation, does not indicate that the latter is either owner or lessee of the Morning Star Lode Claim, which would be subject to the Government's claim for royalty were a discovery made. This Agreement also refers to the Benny Lode Mining Claim as Survey No. 9842, while the number indicated on the map, supplied with the application is 9842-.

Kindly furnish evidence that the U. S. Gold Corporation is the owner or lessee of the Morning Star Lode Mining Claim and whether the Benny Lode Mining Claim mentioned in the Agreement is the same as the one indicated on the map. Please also advise what state the U. S. Gold Corporation was incorporated.

Upon the receipt of this information we will be glad to continue processing your application.

Sincerely yours,

Signed

Ernest W. Ellis, Chief
Rare and Misc. Metals Division

FLKnouse/jem
6/20/52

cc to: Adm. Reading File
Docket /3621
Messrs. C.H.Johnson
Ned Nelson-4216 GS
Ellis Knouse
Field Team, Region II (2)

E.H.
6-23-52

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

June 19, 1952

Memorandum

To: E. W. Ellis, Chief
Rare & Miscellaneous Division

From: J. L. Hofflund
Chief Counsel

Subject: U. S. Gold Corporation, Docket No. DMEA-2367

I am unable to draw a contract in this case because the Operator's property rights are not clear, and it is impossible to describe them correctly in Article 2 of the project contract. The Agreement dated September 5, 1950, between Camilla Gage and the applicant, U. S. Gold Corporation, does not indicate that the latter is either owner or lessee of the Morning Star Lode Claim which would be subject to the Government's claim for royalty were a discovery made. This Agreement also refers to the Benny Lode Mining Claim as Survey No. 9842, while the number indicated on the map is 9842A.

Should you care to write to the applicant or the Field Team asking for evidence of whether the applicant is owner or lessee of the Morning Star Lode Claim and whether the Benny Lode Mining Claim mentioned in the agreement is the same as the one indicated on the map, I would suggest that you also ask in what State the applicant corporation was incorporated.

J. L. Hofflund
J. L. Hofflund
Chief Counsel

Attachment

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

140

June 19, 1952

Memorandum

To: E. W. Ellis, Chief
Rare & Miscellaneous Division

From: J. L. Hofflund
Chief Counsel

Subject: U. S. Gold Corporation, Docket No. DMEA-2367

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Should you care to write to the applicant or the Field Team asking for evidence of whether the applicant is owner or lessee of the Morning Star Lode Claim and whether the Benny Lode Mining Claim mentioned in the agreement is the same as the one indicated on the map, I would suggest that you also ask in what State the applicant corporation was incorporated.

J. L. Hofflund

J. L. Hofflund
Chief Counsel

Attachment

FILE COPY
SURNAME:

140

AEKane

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

June 19, 1952

Memorandum

To: E. W. Ellis, Chief
Rare & Miscellaneous Division

From: J. L. Hofflund
Chief Counsel

Subject: U. S. Gold Corporation, Docket No. DMEA-2367

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Should you care to write to the applicant or the Field Team asking for evidence of whether the applicant is owner or lessee of the Morning Star lode claim and whether the Benny Lode Mining Claim mentioned in the agreement is the same as the one indicated on the map, I would suggest that you also ask in what State the applicant corporation was incorporated.

J. L. Hofflund
Chief Counsel

N.S
R+R

Attachment

AEKane/emx/ema
cc: Mails & Files
J. L. Hofflund
A. E. Kane
Chron.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 10 1952

RECEIVED
JUN 10 6 59 AM '52

130 WA SP /I-GS-G/

SPOKANE WASH 6-9-52 440P

C O MITTENDORF

ACTING ADMINISTRATOR

DEFENSE MINERALS EXPLORATION ADMIN, DEPT OF INTERIOR

WA

REURTEL, DMEA 2367, U S GOLD CORP. MEMO MAILED JUNE 4.

A E WEISSENBORN, EXEC OFFICER

BMEA FIELD TEAM, REGION II

2367 4

EC 446P

JUN 10 9 15 AM '52
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

6/11/52 gla

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

So. 157 Howard Street
Spokane 4, Washington

June 4, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Subject: DMEA 2367X, Copper
U.S. Gold Corporation

Attention: Mr. Alt

Dear Mr. Johnson:

Enclosed is a memorandum from Mr. E. G. Erickson, U. S. Bureau of Mines, to Mr. M. E. Volin showing a breakdown of costs for drifting at the U. S. Gold Corporation property in Madison County, Montana.

The total estimated cost of $28.00 per foot was transmitted to Mr. Alt by Mr. Youngberg in a recent telephone conversation. The enclosed memorandum confirms this estimate.

Sincerely yours,

Elton A. Youngberg

Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

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

So. 157 Howard Street
Spokane 4, Washington

June 4, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Subject: DMEA 2307X, Copper
U.S. Gold Corporation

Attention: Mr. Alt

Dear Mr. Johnson:

Enclosed is a memorandum from Mr. E. G. Erickson, U. S. Bureau of Mines, to Mr. M. E. Volin showing a breakdown of costs for drifting at the U. S. Gold Corporation property in Madison County, Montana.

The total estimated cost of $20.00 per foot was transmitted to Mr. Alt by Mr. Youngberg in a recent telephone conversation. The enclosed memorandum confirms this estimate.

Sincerely yours,

Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

Enclosure

cc: USBM

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

No. 157 Howard Street
Spokane 4, Washington

June 4, 1952

Mr. Frank B. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Subject: DMEA 2307X, Copper
U.S. Gold Corporation

Attention: Mr. Alt

Dear Mr. Johnson:

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The total estimated cost of $20.00 per foot was transmitted to Mr. Alt by Mr. Youngberg in a recent telephone conversation. The enclosed memorandum confirms this estimate.

Sincerely yours,

Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

Enclosure

cc: USBM

1201 N. Division St.
Spokane 2, Wash.
May 27, 1952

JUN 0 1952

MEMORANDUM

To: M. E. Volin, Member, DMEA Field Team, Region II

From: E. G. Erickson, mining engineer, Bureau of Mines

Subject: U. S. Gold Corporation, Madison County, Mont., Docket No. DMEA 2367X - copper

The U. S. Gold Corporation mine, formerly known as the Bielenberg and Higgins mine, was visited May 9, 1952, with the operator, Mr. Clarke. The mine is located in the Tidal Wave mining district, approximately 10 miles northeast of Twin Bridges, Mont.

The purpose of the mine examination was to determine a unit cost per foot which the operator would agree upon for drifting on the copper-bearing vein cut approximately 1990 feet from the adit portal.

The agreed upon unit cost of $28.00 per foot was phoned to Mr. Youngberg of the USGS office in Spokane, as requested. Mr. Youngberg had made a previous examination and report on the property.

Following is a breakdown of the estimated unit cost:

	Cost per day	Cost per foot*
Labor and Supervision		
2 drift miners, contract ($8.66/ft 1/ x 4 ft/day)	$34.64	$8.66
1 trammer @ $13/day 2/	13.00	3.25
1 supervisor (time prorated 50%) 3/	10.00	2.50
Supplies and Equipment		
Powder and fuse	13.00	3.25
Bits and steel	5.00	1.25
Track, complete	5.00	1.25
Pipe - 2 in. and 1 in.	2.40	0.60
Depreciation on equipment 4/	6.68	1.67
Power 5/	4.00	1.00

Docket No. DMEA 2367X - copper

	Cost per day	Cost per foot*
Transportation, maintenance and repairs for all equipment	$8.00	$2.00
Miscellaneous, payroll taxes, assaying, bookkeeping, etc.	11.00	2.75
Totals	$112.72	$28.18

*Based on an estimated 4 foot daily advance.

Note: Nature of ground indicates no timber will be necessary. Operator agreed to $28.00 per foot as a fair unit cost.

1/ 2 drift miners (contract labor), unit price $8.00 per foot plus $0.66/ft (overtime earnings) - Total $8.66/ft.

2/ $13/day includes over-time.

3/ Supervising, engineering and geology estimated at $20/day and 50% prorated to company account.

4/ A fair market price of $10,000 was estimated for equipment to be used. Depreciated on a 60-months basis and 25 days use per month gave a daily cost of $6.68.

5/ Average monthly power bill was $150/month as stated by operator and appears in line. One-third was prorated to company account. Estimating 100 feet advance per month would give a daily cost of $4 or $1 per foot advance.

In view of company account operations a unit cost of $28.00 per foot for 300 feet of drifting is recommended.

E. C. Erickson

cc: USGS, Spokane
4 cys - Wash.

DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
JUN 9 1952

1201 N. Division St.
Spokane 2, Wash.
May 27, 1952

MEMORANDUM

To: E. E. Volin, Member, DMEA Field Team, Region II

From: E. C. Erickson, mining engineer, Bureau of Mines

Subject: U. S. Gold Corporation, Madison County, Mont., Docket No. DMEA 2367X - copper

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1 trammer @ $13/day 2/	13.00	3.25
1 supervisor (time prorated 50%) 3/	10.00	2.50
Supplies and Equipment		
Powder and fuse	13.00	3.25
Bits and steel	5.00	1.25
Track, complete	5.00	1.25
Pipe - 2 in. and 1 in.	2.40	0.60
Depreciation on equipment 4/	6.68	1.67
Power 5/	4.00	1.00

Docket No. DMEA 2367X - copper

	Cost per day	Cost per foot*
Transportation, maintenance and repairs for all equipment	$8.00	$2.00
Miscellaneous, payroll taxes, assaying, bookkeeping, etc.	11.00	2.75
Totals	$112.72	$28.18

*based on an estimated 4 foot daily advance.

Note: Nature of ground indicates no timber will be necessary. Operator agreed to $28.00 per foot as a fair unit cost.

1/ 2 drift miners (contract labor), unit price $8.00 per foot plus $0.66/ft (overtime earnings) - Total $8.66/ft.

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In view of company account operations a unit cost of $28.00 per foot for 300 feet of drifting is recommended.

R. G. Erickson

cc: USGS, Spokane
4 cys - Wash.

FILE COPY
SURNAME:

F L Knouse
Ellis

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

Acting
C. O. Mittendorf, Administrator
Defense Minerals Exploration
Administration
1420137 Salaries & Expenses, Defense
Production Activities, 1952

June 9, 1952

A. E. WEISSENHORN, EXECUTIVE OFFICER
DMEA FIELD TEAM
SOUTH 157 HOWARD STREET
SPOKANE 8, WASHINGTON

RETEL 5-13-52 DOCKET DMEA-2367 U. S. GOLD CORP. WE ARE AWAITING ERICKSON'S MEMORANDUM. ADVISE.

C. O. Mittendorf (for)
C. O. MITTENDORF

R & R

FLKnouse/jem
cc to: Docket
Adm. Reading File
Ellis
Knouse

5/14/52 gla

39 WA SP /I-GS-G/

SPOKANE, WASH 5-13-52 400

C. O. MITTENDORF, ACTG ADMINISTRATOR

DEFENSE MINERALS EXPLORATION ADMIN, BOM,

WA

ATTN...MR. KNOUSE

MR. ERICKSONJ U S BUREAU OF MINES, ADVISES BY TELEPHONE THAT U S GOLD CORP. DMEA-2367 WILL ACCEPT SHORT FORM CONTRACT TO DRIVE 300 FEET OF DRIFT AT $28.00 PER FOOT. DRIFTING TO BE DONE TO THE SOUTHWEST FROM ADIT. PART OF DRIFTING MAY BE TO THE NORTHEAST WITH CONSENT OF FIELD TEAM. THE MEMORANDUM WILL BE PREPARED BY ERICKSON WHEN HE RETURNS FROM THE FIELD.

ALTON A. YOUNGBERG

FOR - A E WEISSENBORN, EXEC OFFICER

DMEA, FIELD TEAM, REGION II

DMEA-2367 300 $28.00

EC 415

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 14 1952

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

TELEGRAM

OFFICIAL BUSINESS—GOVERNMENT RATES

FROM

BUREAU

CHG. APPROPRIATION

U. S. GOVERNMENT PRINTING OFFICE 10—1723

T E L E T Y P E CONFIRMATION

MAY 13, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 15 1952

MR. C. O. MITTENDORF
ACTING ADMINISTRATOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

ATTENTION: MR. KNOUSE:

MR. ERICKSON, U. S. BUREAU OF MINES ADVISES BY TELEPHONE THAT U. S. GOLD CORPORATION, DMEA-2367 WILL ACCEPT SHORT FORM CONTRACT TO DRIVE 300 FEET OF DRIFT AT $28.00 PER FOOT. DRIFTING TO BE DONE TO THE SOUTHWEST FROM ADIT. PART OF DRIFTING MAY BE TO THE NORTHEAST WITH CONSENT OF FIELD TEAM. A MEMORANDUM WILL BE PREPARED BY ERICKSON WHEN HE RETURNS FROM FIELD.

ELTON A. YOUNGBERG
FOR: A. E. WEISSENBORN
EXECUTIVE OFFICER, DMEA
FIELD TEAM, REGION II

4-10-52

Memo for File

Docket No. DMEA-2367

U. S. Gold Corporation

Telephoned Weissenborn today re: a program of drifting along vein east or west for a distance of 250-300 feet to explore the vein. He will contact operator to work out details and forward same to this office.

F. L. Knouse

FILE COPY
SURNAME:

F.L.Knouse
Ellis

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

D.M.E.A.

F.L.Knouse
5295 4640

1420137 Salaries and Expenses
Defense Production Activities, Interior 1952
April 10, 1952

Mr. A. E. Weissenborn, Executive Officer, Region II
South 157 Howard Street, Spokane 8, Washington
Docket DMEA-2367

AT 11:00 A.M. P.S.T. MR. KNOUSE WILL TELEPHONE REGARDING DOCKET

DMEA-2367 U. S. GOLD CORPORATION C. O. Mittendorf

C.O.MITTENDORF, ACTING ADMINISTRATOR
DEFENSE MINERALS EXPLORATION
ADMINISTRATION

FLKnouse/jem
4/10/52
cc to: Adm. Reading File
Docket
Messrs. Ellis
Knouse

2071

FILE COPY
Surname:

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

April 4, 1952

Memorandum

To: Mr. P. L. Knouse

From: Edwin T. McKnight

Subject: Geologic appraisal

Re: IMEA-2367
U. S. Gold Corporation
Tidal Wave District
Madison County, Montana
Exploration, $22,000
Copper

The Tidal Wave district covers an area 7 miles long and 5 miles wide in Madison County, Montana. The type of ore deposit varies from place to place within the district, but there are 3 general types, as follows (see U. S. Geological Survey Bulletin 574, pp. 145-158, 1914):

(1) Contact metamorphic deposits containing copper and lead, with subordinate gold and silver, where limestone has been invaded by granitic intrusives.

(2) Vein deposits in gneiss or schist, or more rarely granite, and carrying chiefly gold, with some lead, silver and copper.

(3) Veins as in No. 2, some carrying chiefly gold but others carrying silver and lead as the chief minerals with minor gold.

The 3 types are localized within different parts of the mining district. Type No. 2 occurs at the head of Bear Gulch, and it is in this area that the applicant's property is located. Furthermore, the geology and history of past production from the applicant's property is in accord with the description given under No. 2 above. The engineering report accompanying the application stresses that the values in the upper workings are in gold, and the reserves ~~are~~ grade is expressed as ounces of gold per ton. The ore is described as usually vein quartz containing auriferous pyrite and arsenopyrite, though in one vein series "the values appear to be in quartz closely associated with galena." There is some chalcopyrite showing at times as well as a little sphalerite. Records of production from the several veins on the property are incomplete, but 2 of the main years, since Inspiration Gold Mining Company took over in 1930, were 1934 and 1944. In 1934, 7,326 tons of gold ore were treated and the concentrates, along with 89 tons of crude ore, were shipped to East Helena. In that year, 23 separate lode mines in the Tidal Wave district produced (from 8,646 tons of ore) 2,102 oz. gold, 3,827 oz. silver, less than 3

tons of copper, 13 tons of lead, and no zinc. In 1944, the applicant's property produced 119 tons of lead shipping ore. In all other years since 1930, only small shipments of essentially gold ore were made from the property.

The attached table gives the production from the Tidal Wave district from 1904 to the present. The production statistics show the predominance of gold and silver production from a rather large number of small producers, a negligible copper production, and varying but commonly small lead production. When it is considered that the output of copper and lead came from all classes of deposits in the district, including the contact metamorphic deposits that are known to have accounted for the relatively large 1944 copper production, it is evident that the geologic occurrence in this district as quartz veins in gneiss and schist is a poor prospect for any copper production. If the vein in the Mohave Tunnel proposed for exploration by the applicant were an isolated occurrence in a new district, it would be worthy of exploration, as it shows copper assays up to 1.97% (with 0.60 oz. gold). However, the description and assay of this ore is typical for the veins that are well known in the district, and I believe the abundant evidence yielded by the production history of these veins is convincing. The gold from past production was in the sulfide bands, including the chalcopyrite and galena bands, so that there was no possibility of differential mining at the expense of the copper and lead, hence the metal ratios revealed by past production statistics must represent a true ratio for this type of geologic occurrence.

I believe, therefore, that the field team is justified in recommending a denial of this project on the grounds that the amount of copper that could be expected would be too insignificant to justify an expenditure of public funds under the Defense Production Act.

Edwin T. McKnight

Edwin T. McKnight
Geologist

ETMcKnight:emp
Copies to: Geol. Div. files
Branch files
Directors r. files
Branch r. files
~~GxxMx~~ Mr. ~~Renick, Interior 3661~~ Johnson
E. T. McKnight

"PRODUCTION FIGURES IN HIDDEN CREEK DISTRICT"

Year	Lode Mines Producing	Ore	Gold (lode) (oz.)	Silver (lode) (oz.)	Copper (tons)	Lead (tons)	Zinc (tons)
1904		21	39.67	140	-	4	
1905		114	752.92	17,742	-	30	
1906		178	234.34	4,775	2	34	
1907		184	370.17	2,026	-	28	
1908		1,454	577.35	[illegible],866	2	72	
1909		468	754.44	10,096	-	78	
1910		677	746.09	7,459	1	59	
1911		400	596.70	6,415	1	73	
1912		242	379.26	2,600	2	21	
1913		334	563.00	2,355	4	10	
1914	12	1,373	1,174.00	5,653	12	32	
1915	23	1,100			-	-	
1916	21	11,052	4,472.00	10,636	26	120	
1917	25	6,973	2,445.00	10,026	7	95	
1918	11	2,101	916.00	7,959	4	95	5
1919	10	293	459.00	5,521	2	49	
1920	7	337	246.00	5,245	-	55	
1921	11	137	215.00	1,302	1	18	
1922	10	175	1[illegible]0.00	[illegible],653	2	4	
1923	10	261	594.00	2,314	1	46	
1924	14	339	126.00	2,320	-	42	
1925	12	237	90.00	3,022	1	71	5
1926	14	242	311.00	2,087	-	54	
1927	10	186	605.00	2,659	-	17	
1928	9	117	421.00	769	-	11	
1929	4	28	49.00	111	-	-	
1930	10	143	245.00	790	-	11	
1931	12	289	543.00	800	-	13	
1932	20	400	661.00	1,004	1	12	
1933	16	630	629.00	880	1	6	
1934	23	2,146	2,[illegible]02.00	3,027	3	13	
1935	26	4,839	1,701.00	4,395	1	11	
1936	20	946	1,252.00	2,031	0	4	
1937	14	550	516.00	1,276	1	11	
1938	15	1,021	1,373.00	2,544	1	13	
1939	15	1,511	2,241.00	6,141	2	12	
1940	25	1,453	1,767.00	6,137	1	8	
1941	18	1,304	1,073.00	4,022	1	14	
1942	7	196	215.00	1,073	-	21	
1943	4	127	46.00	952	-	26	
1944	6	600	35.00	1,004	13*	25	
1945	4	501	182.00	630	1	5	2
1946	6	475	335.00	859	-	3	2
1947	5	782	403.00	1,579	-	6	1
1948	4	257	203.00	675	1	-	6
1949	4	142	175.00	400	-	-	-
		54,775	33,170.94	167,030	95	1,332	21

* From Johnston and Moffet Groups

Directors r. files

April 4, 1952

Memorandum

Re: MMA-2367
U. S. Gold Corporation
Tidal Wave District
Madison County, Montana
Exploration, 372,000
Copper

To: Mr. W. L. Knouse

From: Edwin P. McKnight

Subject: Geologic appraisal

The Tidal Wave district covers an area 7 miles long and 5 miles wide in Madison County, Montana. The type of ore deposit varies from place to place within the district, but there are 3 general types, as follows (see U. S. Geological Survey Bulletin 574, pp. 145-158, 1914):

(1) Contact metamorphic deposits containing copper and lead, with subordinate gold and silver, where limestone has been invaded by granitic intrusives.

(2) Vein deposits in gneiss or schist, or more rarely granite, and carrying chiefly gold, with some lead, silver and copper.

(3) Veins as in No. 2, some carrying chiefly gold but others carrying silver and lead as the chief minerals with minor gold.

The 3 types are localized within different parts of the mining district. Type No. 2 occurs at the head of Bear Gulch, and it is in this area that the applicant's property is located. Furthermore, the geology and history of past production from the applicant's property is in accord with the description given under No. 2 above. The engineering report accompanying the application stresses that the values in the upper workings are in gold, and the reserves grade 7.3 expressed as ounces of gold per ton. The ore is described as usually vein quartz containing auriferous pyrite and arsenopyrite, though in one vein series "the values appear to be in quartz closely associated with galena." There is some chalcopyrite showing at times as well as a little sphalerite. Records of production from the several veins on the property are incomplete, but 2 of the main years, since Inspiration Gold Mining Company took over in 1930, were 1934 and 1944. In 1934, 7,326 tons of gold ore were treated and the concentrates, along with 69 tons of crude ore, were shipped to East Helena. In that year, 73 separate lode mines in the Tidal Wave district produced (from 8,646 tons of ore) 2,102 oz. gold, 3,827 oz. silver, less than 3

tons of copper, 13 tons of lead, and no zinc. In 1944, the applicant's property produced 119 tons of lead shipping ore. In all other years since 1930, only small shipments of essentially gold ore were made from the property.

The attached table gives the production from the Tidal Wave district from 1904 to the present. The production statistics show the predominance of gold and silver production from a rather large number of small producers, a negligible copper production, and varying but commonly small lead production. When it is considered that the output of copper and lead came from all classes of deposits in the district, including the contact metamorphic deposits that are known to have accounted for the relatively large 1944 copper production, it is evident that the geologic occurrence in this district as quartz veins in gneiss and schist is a poor prospect for any copper production. If the vein in the Mohave Tunnel proposed for exploration by the applicant were an isolated occurrence in a new district, it would be worthy of exploration, as it shows copper assays up to 1.97% (with 0.60 oz. gold). However, the description and assay of this ore is typical for the veins that are well known in the district, and I believe the abundant evidence yielded by the production history of these veins is convincing. The gold from past production was in the sulfide bands, including the chalcopyrite and galena bands, so that there was no possibility of differential mining at the expense of the copper and lead, hence the metal ratios revealed by past production statistics must represent a true ratio for this type of geologic occurrence.

I believe, therefore, that the field team is justified in recommending a denial of this project on the grounds that the amount of copper that could be expected would be too insignificant to justify an expenditure of public funds under the Defense Production Act.

Edwin T. McKnight

Edwin T. McKnight
Geologist

ETMcKnight:emp
Copies to: Geol. Div. files
Branch files
Directors r. files
Branch r. files
~~xxxMx~~ Mr. Renick, Interior 3061
E. T. McKnight

"PRODUCTION FIGURES IN TIDEWATER DISTRICT"

Year	Lode Mines Producing	Ore	Gold (lode) (oz.)	Silver (lode) (oz.)	Copper (tons)	Lead (tons)	Zinc (tons)
1904		21	39.67	140	-	4	
1905		114	752.92	17,742	-	30	
1906		178	834.34	4,775	2	34	
1907		184	370.17	2,026	-	20	
1908		1,424	577.35	[illegible],866	2	72	
1909		468	75[illegible].44	10,056	-	70	
1910		677	746.09	7,459	1	59	
1911		1,00[illegible]	596.70	6,415	1	73	
1912		142	379.26	2,600	2	21	
1913		334	563.00	2,355	4	10	
1914	12	1,373	1,174.00	5,653	12	32	
1915	23	1,100			-	-	
1916	21	11,[illegible]52	4,472.00	10,636	26	120	
1917	25	6,973	2,445.00	10,026	7	95	
1918	11	2,101	916.00	7,959	4	35	5
1919	10	293	459.00	5,521	2	49	
1920	7	337	246.00	5,245	-	95	
1921	11	137	215.00	1,302	1	18	
1922	10	175	1,0.00	[illegible],653	2	4	
1923	10	261	294.00	2,314	1	46	
1924	14	339	120.00	2,320	-	12	
1925	12	237	30.00	3,022	1	71	5
1926	14	242	311.[illegible]	2,087	-	54	
1927	10	186	805.00	[illegible],659	-	17	
1928	9	117	461.00	769	-	41	
1929	4	20	49.00	111	-	-	
1930	10	143	245.00	790	-	11	
1931	12	269	543.00	800	-	13	
1932	20	400	561.00	1,004	1	12	
1933	16	630	629.00	820	1	6	
1934	23	8,646	2,102.00	3,827	3	13	
1935	26	4,839	1,781.00	4,395	1	11	
1936	20	946	1,232.00	2,031	0	4	
1937	14	550	916.00	1,276	1	11	
1938	15	1,021	1,373.00	5,544	1	13	
1939	15	1,511	2,241.00	6,441	2	12	
1940	25	1,453	1,787.00	6,137	1	8	
1941	18	1,364	1,073.00	4,022	1	14	
1942	9	196	215.00	1,073	-	21	
1943	4	127	46.00	952	-	26	
1944	6	600	35.00	1,004	13*	25	
1945	4	381	182.00	630	1	5	2
1946	6	475	335.00	859	-	3	2
1947	5	782	483.00	1,579	-	6	1
1948	4	257	293.00	675	1	-	6
1949	4	142	175.00	400	-	-	-
		54,775	33,176.94	167,030	95	1,332	21

* From Johnston and Moffet Groups

Johnson 3619

Mr. Penick 3061 Interior

April 4, 1952

Memorandum

Re: M.M.-2367
U. S. Gold Corporation
Ideal Cave District
Madison County, Montana
Exploration, [illegible],000
Copper

To: Mr. P. L. Knouse

From: Edwin F. McKnight

Subject: Geologic appraisal

The Ideal Cave district covers an area 7 miles long and 5 miles wide in Madison County, Montana. The type of ore deposit varies from place to place within the district, but there are 3 general types, as follows (see U. S. Geological Survey Bulletin 574, pp. 145-158, 1914):

(1) Contact metamorphic deposits containing copper and lead, with subordinate gold and silver, where limestone has been invaded by granitic instrusives.

(2) Vein deposits in gneiss or schist, or more rarely granite, and carrying chiefly gold, with some lead, silver and copper.

(3) Veins as in No. 2, some carrying chiefly gold but others carrying silver and lead as the chief minerals with minor gold.

The 3 types are localized within different parts of the mining district. Type No. 2 occurs at the head of Bear Gulch, and it is in this area that the applicant's property is located. Furthermore, the geology and history of past production from the applicant's property is in accord with the description given under No. 2 above. The engineering report accompanying the application stresses that the values in the upper workings are in gold, and the reserves grade is expressed as ounces of gold per ton. The ore is described as usually vein quartz containing auriferous pyrite and arsenopyrite, though in one vein series "the values appear to be in quartz closely associated with galena." There is some chalcopyrite showing at times as well as a little sphalerite. Records of production from the several veins on the property are incomplete, but 2 of the main years, since Inspiration Gold Mining Company took over in 1930, were 193[illegible] and 1944. In 1934, 7,[illegible]6 tons of gold ore were treated and the concentrates, along with 69 tons of crude ore, were shipped to East Helena. In that year, [illegible]3 separate lode mines in the Ideal Cave district produced (from 8,646 tons of ore) 2,10[illegible] oz. gold, 3,027 oz. silver, less than 3

tons of copper, 13 tons of lead, and no zinc. In 1944, the applicant's property produced 119 tons of lead shipping ore. In all other years since 1930, only small shipments of essentially gold ore were made from the property.

The attached table gives the production from the Tidal Wave district from 1904 to the present. The production statistics show the predominance of gold and silver production from a rather large number of small producers, a negligible copper production, and varying but commonly small lead production. When it is considered that the output of copper and lead came from all classes of deposits in the district, including the contact metamorphic deposits that are known to have accounted for the relatively large 1944 copper production, it is evident that the geologic occurrence in this district as quartz veins in gneiss and schist is a poor prospect for any copper production. If the vein in the Mohave Tunnel proposed for exploration by the applicant were an isolated occurrence in a new district, it would be worthy of exploration, as it shows copper assays up to 1.77% (with 0.60 oz. gold). However, the description and assay of this ore is typical for the veins that are well known in the district, and I believe the abundant evidence yielded by the production history of these veins is convincing. The gold from past production was in the sulfide bands, including the chalcopyrite and galena bands, so that there was no possibility of differential mining at the expense of the copper and lead, hence the metal ratios revealed by past production statistics must represent a true ratio for this type of geologic occurrence.

I believe, therefore, that the field team is justified in recommending a denial of this project on the grounds that the amount of copper that could be expected would be too insignificant to justify an expenditure of public funds under the Defense Production Act.

Edwin T. McKnight

Edwin T. McKnight
Geologist

E.T.McKnight:amp
Copies to: Geol. Div. files
Branch files
Directors r. files
Branch r. files
~~xxxMx~~ Mr. Renick, Interior 3061
E. T. McKnight

"PRODUCTION OF METALS IN TIDAL WAVE DISTRICT"

Year	Lode Mines Producing	Ore	Gold (lode) (oz.)	Silver (lode) (oz.)	Copper (tons)	Lead (tons)	Zinc (tons)
1904		21	39.67	140	-	4	
1905		114	752.92	17,742		30	
1906		178	234.34	4,775	2	34	
1907		184	370.17	2,026	-	28	
1908		1,454	577.35	6,866	2	72	
1909		468	754.44	10,056	-	78	
1910		677	746.09	7,459	1	59	
1911		400	596.70	6,415	1	73	
1912		242	379.26	2,600	2	21	
1913		334	563.00	2,355	4	10	
1914	12	1,373	1,174.00	5,653	12	32	
1915	23	1,100			-	-	
1916	21	11,052	4,472.00	10,636	26	120	
1917	25	6,973	2,445.00	10,026	7	95	
1918	11	2,101	916.00	7,959	4	95	5
1919	10	293	459.00	5,521	2	49	
1920	7	337	246.00	5,245	-	55	
1921	11	137	215.00	1,302	1	18	
1922	10	175	190.00	2,653	2	4	
1923	10	261	294.00	2,314	1	46	
1924	14	339	126.00	2,320	-	42	
1925	12	237	90.00	3,022	1	71	5
1926	14	242	311.00	2,087	-	54	
1927	10	186	805.00	2,659	-	17	
1928	9	117	421.00	769	-	11	
1929	4	28	49.00	111	-	-	
1930	10	143	245.00	790	-	11	
1931	12	289	543.00	800	-	13	
1932	20	400	661.00	1,004	1	12	
1933	18	830	629.00	820	1	6	
1934	23	6,646	2,102.00	3,027	3	13	
1935	26	4,839	1,781.00	4,395	1	11	
1936	20	946	1,232.00	2,031	0	4	
1937	14	550	516.00	1,276	1	11	
1938	15	1,021	1,373.00	5,544	1	13	
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1941	18	1,364	1,073.00	4,022	1	14	
1942	9	196	215.00	1,073	-	21	
1943	4	127	46.00	952	-	26	
1944	6	600	35.00	1,004	13*	25	
1945	4	301	182.00	630	1	5	2
1946	6	475	335.00	859	-	3	2
1947	5	782	403.00	1,579	-	6	1
1948	4	257	293.00	675	1	-	6
1949	4	142	175.00	400	-	-	-
		54,775	33,176.94	167,030	95	1,332	21

* From Johnston and Moffet Groups

Branch files

April 4, 1952

Memorandum

Re: RFA-2367
U. S. Gold Corporation
Tidal Wave District
Madison County, Montana
Exploration, $22,000
Copper

To: Mr. F. L. Knouse

From: Edwin F. McKnight

Subject: Geologic appraisal

The Tidal Wave district covers an area 7 miles long and 5 miles wide in Madison County, Montana. The type of ore deposit varies from place to place within the district, but there are 3 general types, as follows (see U. S. Geological Survey Bulletin 574, pp. 145-158, 1914):

(1) Contact metamorphic deposits containing copper and lead, with subordinate gold and silver, where limestone has been invaded by granitic intrusives.

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(3) Veins as in No. 2, some carrying chiefly gold but others carrying silver and lead as the chief minerals with minor gold.

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tons of copper, 13 tons of lead, and no zinc. In 1944, the applicant's property produced 119 tons of lead shipping ore. In all other years since 1930, only small shipments of essentially gold ore were made from the property.

The attached table gives the production from the Tidal Wave district from 1904 to the present. The production statistics show the predominance of gold and silver production from a rather large number of small producers, a negligible copper production, and varying but commonly small lead production. When it is considered that the output of copper and lead came from all classes of deposits in the district, including the contact metamorphic deposits that are known to have accounted for the relatively large 1944 copper production, it is evident that the geologic occurrence in this district as quartz veins in gneiss and schist is a poor prospect for any copper production. If the vein in the Mohave Tunnel proposed for exploration by the applicant were an isolated occurrence in a new district, it would be worthy of exploration, as it shows copper assays up to 1.97% (with 0.60 oz. gold). However, the description and assay of this ore is typical for the veins that are well known in the district, and I believe the abundant evidence yielded by the production history of these veins is convincing. The gold from past production was in the sulfide bands, including the chalcopyrite and galena bands, so that there was no possibility of differential mining at the expense of the copper and lead, hence the metal ratios revealed by past production statistics must represent a true ratio for this type of geologic occurrence.

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Edwin T. McKnight

Edwin T. McKnight
Geologist

ETMcKnight:emp
Copies to: Geol. Div. files
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Directors r. files
Branch r. files
~~Gxxdx Mr. Renick~~, Interior ~~3061~~ 3619 C. H. Johnson
E. T. McKnight

"PRODUCTION FIGURES IN TIDAL WAVE DISTRICT"

Year	Lode Mines Producing	Ore	Gold (lode) (oz.)	Silver (lode) (oz.)	Copper (tons)	Lead (tons)	Zinc (tons)
1904		21	39.67	140	-	4	
1905		114	752.92	17,742	-	30	
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1915	23	1,100			-	-	
1916	21	11,352	4,472.00	10,636	26	120	
1917	25	6,973	2,445.00	10,026	7	95	
1918	11	2,101	916.00	7,959	4	95	5
1919	10	293	459.00	5,521	2	49	
1920	7	337	246.00	5,245	-	55	
1921	11	137	215.00	1,302	1	18	
1922	10	175	1,0.00	2,053	2	4	
1923	10	261	294.00	2,314	1	46	
1924	14	339	126.00	2,320	-	42	
1925	12	237	90.00	3,022	1	71	5
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1931	12	289	543.00	800	-	13	
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1933	18	330	629.00	820	1	6	
1934	23	3,646	2,102.00	3,027	3	13	
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1936	20	946	1,252.00	2,031	0	4	
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1939	15	1,511	2,241.00	6,441	2	12	
1940	25	1,453	1,727.00	6,137	1	8	
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1942	7	196	715.00	1,073	-	21	
1943	4	127	46.00	952	-	26	
1944	6	600	35.00	1,004	13*	25	
1945	4	301	182.00	630	1	5	2
1946	6	475	335.00	859	-	3	2
1947	5	782	403.00	1,579	-	6	1
1948	4	257	193.00	675	1	-	6
1949	4	142	175.00	400	-	-	-
		54,775	33,176.94	167,030	95	1,338	21

* From Johnston and Moffet Groups

Branch r. files

April 4, 1952

Memorandum

Re: IMBA-2367
U. S. Gold Corporation
Tidal Wave District
Madison County, Montana
Exploration, $22,000
Copper

To: Mr. F. L. Knowes

From: Edwin T. McKnight

Subject: Geologic appraisal

The Tidal Wave district covers an area 7 miles long and 5 miles wide in Madison County, Montana. The type of ore deposit varies from place to place within the district, but there are 3 general types, as follows (see U. S. Geological Survey Bulletin 574, pp. 145-158, 1914):

(1) Contact metamorphic deposits containing copper and lead, with subordinate gold and silver, where limestone has been invaded by granitic intrusives.

(2) Vein deposits in gneiss or schist, or more rarely granite, and carrying chiefly gold, with some lead, silver and copper.

(3) Veins as in No. 2, some carrying chiefly gold but others carrying silver and lead as the chief minerals with minor gold.

The 3 types are localized within different parts of the mining district. Type No. 2 occurs at the head of Bear Gulch, and it is in this area that the applicant's property is located. Furthermore, the geology and history of past production from the applicant's property is in accord with the description given under No. 2 above. The engineering report accompanying the application stresses that the values in the upper workings are in gold, and the reserves grade is expressed as ounces of gold per ton. The ore is described as usually vein quartz containing auriferous pyrite and arsenopyrite, though in one vein series "the values appear to be in quartz closely associated with galena." There is some chalcopyrite showing at times as well as a little sphalerite. Records of production from the several veins on the property are incomplete, but 2 of the main years, since Inspiration Gold Mining Company took over in 1930, were 1934 and 1944. In 1934, 7,326 tons of gold ore were treated and the concentrates, along with 89 tons of crude ore, were shipped to East Helena. In that year, 23 separate lode mines in the Tidal Wave district produced (from 8,646 tons of ore) 2,102 oz. gold, 3,827 oz. silver, less than 3

tons of copper, 13 tons of lead, and no zinc. In 1944, the applicant's property produced 119 tons of lead shipping ore. In all other years since 1930, only small shipments of essentially gold ore were made from the property.

The attached table gives the production from the Tidal Wave district from 1904 to the present. The production statistics show the predominance of gold and silver production from a rather large number of small producers, a negligible copper production, and varying but commonly small lead production. When it is considered that the output of copper and lead came from all classes of deposits in the district, including the contact metamorphic deposits that are known to have accounted for the relatively large 1944 copper production, it is evident that the geologic occurrence in this district as quartz veins in gneiss and schist is a poor prospect for any copper production. If the vein in the Mohave Tunnel proposed for exploration by the applicant were an isolated occurrence in a new district, it would be worthy of exploration, as it shows copper assays up to 1.97% (with 0.60 oz. gold). However, the description and assay of this ore is typical for the veins that are well known in the district, and I believe the abundant evidence yielded by the production history of these veins is convincing. The gold from past production was in the sulfide bands, including the chalcopyrite and galena bands, so that there was no possibility of differential mining at the expense of the copper and lead, hence the metal ratios revealed by past production statistics must represent a true ratio for this type of geologic occurrence.

I believe, therefore, that the field team is justified in recommending a denial of this project on the grounds that the amount of copper that could be expected would be too insignificant to justify an expenditure of public funds under the Defense Production Act.

Edwin T. McKnight

Edwin T. McKnight
Geologist

E T McKnight:emp
Copies to: Geol. Div. files
Branch files
Directors r. files
Branch r. files
~~Exxxx~~ Mr. Reniek, Interior 3061
E. T. McKnight

"PRODUCTION F METALS IN TIDAL WAVE DISTRICT"

Year	Lode Mines Producing	Ore	Gold (lode) (oz.)	Silver (lode) (oz.)	Copper (tons)	Lead (tons)	Zinc (tons)
1904		21	39.67	140	-	4	
1905		114	752.92	17,742	-	30	
1906		178	234.34	4,775	2	34	
1907		184	370.17	2,026	-	28	
1908		1,454	577.35	6,866	2	72	
1909		468	754.44	10,056	-	78	
1910		677	746.09	7,459	1	59	
1911		400	596.70	6,415	1	73	
1912		242	379.26	2,600	2	21	
1913		334	563.00	2,355	4	10	
1914	12	1,373	1,174.00	5,653	12	32	
1915	23	1,100			-	-	
1916	21	11,852	4,472.00	10,636	26	120	
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1919	10	293	459.00	5,521	2	49	
1920	7	337	246.00	5,245	-	55	
1921	11	157	215.00	1,302	1	18	
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1923	10	261	294.00	2,314	1	46	
1924	14	339	126.00	2,380	-	42	
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1928	9	117	421.00	769	-	11	
1929	4	28	49.00	111	-	-	
1930	10	143	245.00	790	-	11	
1931	12	289	543.00	800	[illegible]	13	[illegible]
1932	20	400	661.00	1,064	1	12	
1933	18	830	629.00	820	1	6	
1934	23	8,046	2,102.00	3,827	3	13	
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1946	6	475	335.00	859	-	3	2
1947	5	782	483.00	1,579	-	6	1
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1949	4	142	175.00	400	-	-	-
		54,775	33,176.94	167,030	95	1,332	21

* From Johnston and Moffet Groups

4/3/52 gla

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

April 2, 1952

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA 2367, U. S. Gold Corporation, Twin Bridges, Montana (Copper)

Having reviewed the negative Field Team report (transmitted March 13) on the above application, and after discussing it with Mr. Knouse, I recommend that a modest exploration project be submitted to the Field Team and Applicant for consideration.

The Applicant wanted $22,335 for drifting 400 feet and raising 100 feet on a newly-discovered gold-copper vein. The examining engineer and the Field Team recommended denial on the ground of low copper content, 1 to 2 percent. It appears to me that an orebody might be developed by a small drifting program that would support a profitable small mining operation. Probably the ore could be shipped direct to the nearby copper smelter at Anaconda.

I would suggest about 200 feet of drifting as enough to show whether or not the oreshoot will support such an operation.

It does not seem to me that an application should be denied because the greater part of the values are in gold, providing the potential copper production is worth the gamble. In this case, if a $7500 project were to lead to the production of say 50 tons of copper yearly for the next three or four years, it would seem to be a good investment.

The last sentence of the engineer's report is "It does appear, however, that the vein has sufficient combined gold and copper content to permit the ores from this structure to be mined at a profit and that copper will be recovered at a by-product."

C. H. Johnson

C. H. Johnson

Copy to - Mr. Nelson
Minerals Division
C. H. Johnson (with report)
Base Metals Branch
Files

4/8/52 gla

IN REPLY REFER TO:

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

April 7, 1952

Memorandum

To: Mr. F. L. Knouse

From: Ned E. Nelson

Subject: DMEA-2367. U. S. Gold Corporation, Madison County, Montana.

The history of the Tidal Wave District and the report of Mr. Elton A. Youngberg of the field team make the prospect of the applicant more of a gold-silver project than a copper prospect, and as such, probably not entitled to help.

Two samples show significant copper values, viz: 2 and 5, and the other three are low in copper, but all have such value in gold and silver as to encourage the operators to carry on. Should conditions change and copper become more abundant, another application would be in order.

The opinion of the field team geologist is taken as sound and a denial in order.

N. E. Nelson

Ned E. Nelson
Geologist

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GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

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Geologist

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

April 4, 1952

Memorandum

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Madison County, Montana
Exploration, $22,000
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From: Edwin T. McKnight

Subject: Geologic appraisal

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Edwin T. McKnight

Edwin T. McKnight
Geologist

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1909		468	754.44	10,056	-	78	
1910		677	746.09	7,459	1	59	
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1912		242	379.26	2,600	2	21	
1913		334	563.00	2,355	4	10	
1914	12	1,373	1,174.00	5,653	12	32	
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* From Johnston and Moffet Groups

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

April 4, 1952

Memorandum

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U. S. Gold Corporation
Tidal Wave District
Madison County, Montana
Exploration, $22,000
Copper

To: Mr. F. L. Knouse

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Edwin T. McKnight

Edwin T. McKnight
Geologist

"PRODUCTION RECORDS IN [illegible] DISTRICT"

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* From Johnston and Moffet Groups

MR. JOHNSON:

They wanted additional maps on this report.

Hazel.

Field Teams should be requested for 3 more maps & told why - 0 on copy for Burma & 1 copy for Murray & this copy required for OM&A, mm. in Special recommendations.

FEJ

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 20 1952

March 13, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: Docket DMEA 2367, Copper
U. S. Gold Corporation
Twin Bridges, Montana

Dear Mr. Johnson:

Enclosed are four copies of a report by Elton A. Youngberg, Geologist, U. S. Geological Survey, on the U. S. Gold Corporation, Twin Bridges, Montana and docket material.

Mr. Youngberg recommends that the applicant be denied aid because the copper content of the ore is of too low grade to be of interest in the DMEA program. The Field Team concurs in this recommendation.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

M. E. Volin, Member, DMEA
(U. S. Bureau of Mines)

Enclosures
cc: USBM, Spokane
USBM, Albany

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

March 13, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 20 1952

Memorandum

To: A. E. Weissenborn, Executive Officer, Field Team, Region II

From: Elton A. Youngberg, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA 2367 (copper), U. S. Gold Corporation, Twin Bridges, Montana.

RECOMMENDATION

It is recommended that the U. S. Gold Corporation be denied exploration assistance at this time to explore the gold-copper vein intersected in the Mohave tunnel.

INTRODUCTION

The property was examined on March 4, 1951. 2? Approximately three hours were spent on the property mapping and sampling the gold-copper vein in the Mohave tunnel. The property was previously visited on August 28 and 29, 1951, and September 23, 1951, to appraise the possibilities of the property qualifying for a lead, zinc or copper exploration loan. Considerable time was spent examining old workings and surface showings at this t ime. These examinations did not indicate the existence of a feasible exploration target and the applicant requested that his application be withdrawn. The Mohave tunnel which was being advanced at the time of the examinations in 1951 intersected a blind gold-copper vein in January 1952. The applicant believed this structure to contain sufficient copper to be of interest to the Defense Minerals Exploration Administration and applied for exploration assistance. This application is the subject of this report.

LOCATION

The U. S. Gold Corporation mine, formerly known as the Bielenberg and Higgins mine, is in the Tidal Wave mining district, Township 3 South, Range 4 West, and approximately ten miles northeast of Twin Bridges, Montana.

Reviewed by
DMEA OPERATING COMMITTEE
3-28-52
(date)

GEOLOGY

The principal mine workings are within a small monzonite plug penetrating gneisses and schists of the Pony series of pre-Beltian age. The Mohave crosscut is being driven to cut veins in the old mine workings at depth. This adit has penetrated approximately 2,130 feet of gneisses and schists. The adit intersected a blind gold-copper vein at 1,990 feet which strikes N. 30° E., and dips 45-55° to the west, conforming in general to the strike and dip of the principal vein structures in the old mine workings. At the time of the examination this vein had been drifted upon for 37 feet to the southwest. The mineralized portion of the vein has averaged approximately four feet in width for this distance. The most intensely mineralized portion of the vein is concentrated along a small fracture 1-2 inches in width, which dips 45-55° west and contains a small quantity of gouge. The gneisses and schists have been replaced by quartz, chalcopyrite and pyrite to the hanging wall of this fracture and to the footwall along a number of fractures dipping 20-30° to the west. Massive pyrite and chalcopyrite 1-4 inches in width have filled openings in these structures.

ORE POSSIBILITIES

Five samples were cut from the vein to determine its copper and gold content. These samples showed the copper content over the full width of the vein, 3.5-4.0 feet, to be less than half the amount claimed by the applicant. The grade shown by the applicant, however, could probably be obtained for widths of 1 foot or less.

Listed below are the locations and analyses of the samples taken from gold-copper vein in the Mohave adit:

Sample No.	Location	Width	Assays: Per ton oz. Au	Assays: Per ton oz. Ag	Assays: Percent Cu
1	W. Rib Mohave x-cut + 10 ft.S.W.	4.1 feet	0.36	0.1	0.47
2	W. Rib Mohave x-cut + 20 ft.S.W.	3.4 feet	0.60	3.8	1.97
3	W. Rib Mohave x-cut + 34 ft.S.W. Footwall	3.5 feet	0.02	0.1	0.20
4	W. Rib Mohave x-cut + 34 ft.S.W. Hanging wall	1.5 feet	0.15	0.2	0.20
5	E. Rib Mohave x-cut at intersection of vein	4.0 feet	0.28	1.7	1.66

The copper content of the vein as shown by the above sample indicates that this vein is too low-grade to be considered in the DMEA program. It is not believed that further drifting is likely to encounter important tonnages of better-grade ore. It does appear, however, that the vein has sufficient combined gold and copper content to permit the ores from this structure to be mined at a profit and that copper will be recovered as a by-product.

Elton A. Youngberg
Geologist

cc: USBM, Spokane
USBM, Albany

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 157 Howard Street
Spokane 4, Washington

March 13, 1952

Mr. Frank A. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: Docket DMEA 2307, Copper
U. S. Gold Corporation
Twin Bridges, Montana

Dear Mr. Johnson:

Enclosed are four copies of a report by Elton A. Youngberg, Geologist, U. S. Geological Survey, on the U. S. Gold Corporation, Twin Bridges, Montana and docket material.

Mr. Youngberg recommends that the applicant be denied aid because the copper content of the ore is of too low grade to be of interest in the DMEA program. The Field Team concurs in this recommendation.

Sincerely yours,

A. F. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM, Spokane
USBM, Albany

M. A. Volin, Member, DMEA
(U. S. Bureau of Mines)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 20 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 157 Howard Street
Spokane 4, Washington

March 13, 1952

Memorandum

To: [illegible]. C. Weissenborn, Executive Officer, Field Team, Region II

From: Elton A. Youngberg, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA 2307 (copper), U. S. Gold Corporation, Twin Bridges, Montana.

RECOMMENDATION

It is recommended that the U. S. Gold Corporation be denied exploration assistance at this time to explore the gold-copper vein intersected in the Mohave tunnel.

INTRODUCTION

The property was examined on March 4, 1951. Approximately three hours were spent on the property mapping and sampling the gold-copper vein in the Mohave tunnel. The property was previously visited on August 28 and 29, 1951, and September 23, 1951, to appraise the possibilities of the property qualifying for a lead, zinc or copper exploration loan. Considerable time was spent examining old workings and surface showings at this time. These examinations did not indicate the existence of a feasible exploration target and the applicant requested that his application be withdrawn. The Mohave tunnel which was being advanced at the time of the examinations in 1951 intersected a blind gold-copper vein in January 1952. The applicant believed this structure to contain sufficient copper to be of interest to the Defense Minerals Exploration Administration and applied for exploration assistance. This application is the subject of this report.

LOCATION

The U. S. Gold Corporation mine, formerly known as the Bielenberg and Higgins mine, is in the Tidal Wave mining district, Township 3 South, Range 4 West, and approximately ten miles northeast of Twin Bridges, Montana.

3-28-52
(date)

GEOLOGY

The principal mine workings are within a small monzonite plug penetrating gneisses and schists of the Pony series of pre-Beltian age. The Mohave crosscut is being driven to cut veins in the old mine workings at depth. This adit has penetrated approximately 2,150 feet of gneisses and schists. The adit intersected a blind gold-copper vein at 1,990 feet which strikes N. 30 E., and dips 45-55° to the west, conforming in general to the strike and dip of the principal vein structures in the old mine workings. At the time of the examination this vein had been drifted upon for 37 feet to the southwest. The mineralized portion of the vein has averaged approximately four feet in width for this distance. The most intensely mineralized portion of the vein is concentrated along a small fracture 1-2 inches in width, which dips 45-55° west and contains a small quantity of gouge. The gneisses and schists have been replaced by quartz, chalcopyrite and pyrite to the hanging wall of this fracture and to the footwall along a number of fractures dipping 20-30° to the west. Massive pyrite and chalcopyrite 1-4 inches in width have filled openings in these structures.

ORE POSSIBILITIES

Five samples were cut from the vein to determine its copper and gold content. These samples showed the copper content over the full width of the vein, 3.5-4.0 feet, to be less than half the amount claimed by the applicant. The grade shown by the applicant, however, could probably be obtained for widths of 1 foot or less.

Listed below are the locations and analyses of the samples taken from gold-copper vein in the Mohave adit:

Sample No.	Location	Width	Assays: Per ton oz. Au	Per ton oz. Ag	Percent Cu
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5	E. Rib Mohave x-cut at intersection of vein	4.0 feet	0.25	1.7	1.66

The copper content of the vein as shown by the above sample indicates that this vein is too low-grade to be considered in the DMEA program. It is not believed that further drifting is likely to encounter important tonnages of better-grade ore. It does appear, however, that the vein has sufficient combined gold and copper content to permit the ores from this structure to be mined at a profit and that copper will be recovered as a by-product.

Elton A. Youngberg
Geologist

cc: USBM, Spokane
USBM, Albany

700
FILE COPY
SURNAME:

Rutledge
Ellis
Johnson
Johnson

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

MAR 3 1952

Mr. [illegible], General Manager
[illegible] Corporation
[illegible], Montana

Re: Docket No. [illegible]-2367 (Copper)
[illegible], Montana

Dear Mr. Clark:

Your application for assistance in exploring your property in Madison County, Montana, under the above captioned docket number, has been reviewed by the Lode and Miscellaneous Metals Division of the Defense Minerals Exploration Administration and has been referred to Mr. [illegible] Wissenborn, Executive Officer, Region II, DMEA Field Team, South 157 Howard Street, Spokane 8, Washington, for a field examination.

The Regional Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

FRutledge/jem
2/29/52
cc to: Adm. Reading File
Docket
Messrs. Johnson, CH Rm. 3621
Nelson, Red Rm. 4216 GS
Ellis
Rutledge
Field Team, Region II (2)

700 FILE COPY
SURNAME:

Rutledge

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

FILE COPY

MAR 3 1952

Mr. A. L. Weissenborn
Executive Officer, Region II
DMEA Field Team
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMEA-2367 (topper)
L. F. Gold Corporation
Twin Bridges, Montana

Dear Mr. Weissenborn:

Reference is made to the above docket. It seems extremely desirable that a field team examination be made of this property to determine if a government contract for exploration is warranted.

If it appears that the recommendations of the field team will be favorable particular attention should be given to the following:

1. Strength of mineralization exposed and geologic evidence in favor of its continuance.

2. Check sampling of mineralization.

3. Does owner intend to concurrently drive access adit? If so please show proportion of costs chargeable to exploration project for drifting and raising.

4. If a contract is made it must also include claims through which access is made - Cannyride, Rolling Pin, and Gold Ranch. Also all claims that may benefit from the exploration work must be included.

5. No charges can be allowed for use of facilities already on property, (Sec. 5 of PM-200).

6. Items shown as rented by applicant. Inventory shows Ingersol Rand 315 cfm compressor. Check to see if items are rented or owned by applicant.

7. On items where depreciation is used show original cost if new or used cost if second hand. Depreciation to be on basis of 1/60 of amount per month.

8. Necessity of use of H.D. 10 dozer.

9. High cost of supervision and engineering for simple program.

10. Labor cost for miners.

11. Items for ventilation? Quantity of vent tube shown will not reach project area. Some 2400-2500 feet will be required.

12. Complete breakdown on all other costs showing units required, cost per unit, and total cost. Several charges seem high for quantity of work stated.

13. Item for timbering. Report by Stevens mentions plenty of timber on property. Will ground require much timbering?

Copies of memorandum from the commodity men are attached for your information.

Sincerely yours,

3/6

(signed) FRANK E. JOHNSON (JHB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures-2

FRutledge/jem
2/29/52
cc to: Adm. Reading File
Docket
Messrs. Johnson, CH Rm. 3621
Nelson, Ned Rm. 4216 GS
Ellis
Rutledge
Field Team, Region II

APPROVED:
J. H. Hedges (JHB)
Member, Bureau of Mines

T. P. Thayer (JHB)
Member, Geological Survey

EXPLORATION

Subject: DMEA-2367
Re: Exploration Loan
Pete & Joe, Beilenberg & Higgens,
Insperation Gold Mining Company
February 11, 1952

Mr. A. P. Clark, General Manager
U. S. Gold Corporation
Twin Bridges, Montana

My dear Mr. Clark:

This will acknowledge receipt of your application dated February 7, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2367 and referred to the Rare & Miscellaneous Metals Division.

Kindly refer to DMEA-2367 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

2/28/52 gla

IN REPLY REFER TO:

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

February 27, 1952

Memorandum

To: Mr. E. Wm. Ellis

From: N. E. Nelson

Subject: DMEA-2367, U. S. Gold Corporation, Twin Bridges, Montana

Comment

Memoir No. 20 Montana Bureau of Mines a Directory of Montana Mining Properties, refers to the Inspiration Gold Mining Company. At that time (1940) the company was in bankruptcy. The project for which the application is made by U. S. Gold Corporation is on a claim of the Inspiration Group.

When the directory was compiled a private 16 mile transmission line was mentioned as well as a 250-ton mill. The power line is listed by the applicants, but the mill is not.

The copper-gold prospect of the U. S. Gold Corporation is not mentioned, but as it is near a past small producer and in an area of considerable production, the discovery of this "blind" vein warrants attention.

A field team visit is in order if it seems certain the applicant is quite unable to carry on without Government assistance.

N. E. Nelson

Ned E. Nelson
Geologist

2/20/52

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

February 19, 1952

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA 2367 - U. S. Gold Corporation, Twin Bridges, Montana (Copper)

I have reviewed the subject application, which is in the amount of $22,335; the purpose is to drift 400 feet and raise 100 feet to explore a copper-gold vein recently cut in the low-level Mojave tunnel of the company's gold mine. This vein at the time of application in January, 1952, had just been opened for a length of 14 feet and according to 5 samples taken by the company's engineer but not cited separately in his report, averaged 56 inches wide, 0.628 ounces gold, 2.85 ounces silver and 4.74 percent copper. Drifting apparently was continuing.

This is an interesting showing but in my opinion hardly a basis for a $22,000 project or in fact for Government assistance in any form. My suggestion would be that applicant be told the showing does not as yet justify Government assistance, but that it is hoped continued drifting will uncover a showing of sufficient magnitude to justify a Government-supported project.

A satisfactory procedure might be to request the Field Team to maintain contact with the applicant and when and if the copper vein in the Mojave tunnel is developed into a showing of such size as to merit an exploration project, make a field examination and report together with such suggestions for modification of the present project as seemed desirable.

The information submitted on the company's main mine (known variously as the Pete and Joe, Beilenberg and Higgins and Inspiration Gold Mine) is not of any consequence in the present application. The mine appears to be on a completely separate set of veins and as far as can be told from the applicant's engineer's report was strictly a gold mine with no base metal values of consequence in its production.

Applicant has included in his project costs two or three items that seem questionable, such as the rental of a bulldozer, a rather high engineering charge for a pretty simple piece of work and what seemed to be excessive estimates for steel and bits.

C. H. Johnson

C. H. Johnson

CHJohnson/ht

Copy to: Mr. Nelson - GS
Minerals Division
C. H. Johnson
Files

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Montana, County of Madison, which is the subject of a proposed Exploration Project Contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government", and

1/ U.S. Gold Corp. Twin Bridges, Montana

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said Contract which are set forth on the reverse side hereof, the Government will acquire certain rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said Contract and as an inducement to the Government and Operator to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to remove facilities, buildings, fixtures, and equipment, as provided in the Contract, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned.

2. The Government's percentage royalty on net smelter returns or other net proceeds realized from ore, concentrates, or metal produced within ten (10) years from the date of the Contract, and the Government's lien for the payment of said percentage royalty shall attach to the mineral deposit and the production therefrom, in the amount of the Government's contribution, not in excess of 2/ $ 13,645.50, all upon the terms and conditions set forth in said Contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of the said Contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 15th day of Feb., 1952.

CAMILLA CACE

TWIN BRIDGES, MONTANA

1/ Insert the name of the Operator as it will appear in the Exploration Project Contract.

2/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

Repayment by Operator. If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

> Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.
>
> Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Montana, County of Madison, which is the subject of a proposed Exploration Project Contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government", and 1/ U.S. Gold Corp. Twin Bridges, Montana

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said Contract which are set forth on the reverse side hereof, the Government will acquire certain rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said Contract and as an inducement to the Government and Operator to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to remove facilities, buildings, fixtures, and equipment, as provided in the Contract, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned.

2. The Government's percentage royalty on net smelter returns or other net proceeds realized from ore, concentrates, or metal produced within ten (10) years from the date of the Contract, and the Government's lien for the payment of said percentage royalty shall attach to the mineral deposit and the production therefrom, in the amount of the Government's contribution, not in excess of 2/ $ 13,645.50, all upon the terms and conditions set forth in said Contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of the said Contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 15th day of Feb., 1952.

Camilla Cage

Twin Bridges, Montana

1/ Insert the name of the Operator as it will appear in the Exploration Project Contract.

2/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

Repayment by Operator. If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

> Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.
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> Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

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1/ U.S.Gold Corp. Twin Bridges, Montana

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said Contract which are set forth on the reverse side hereof, the Government will acquire certain rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

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3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of the said Contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 15th day of Feb., 1952.

Carina Gale,
Twin Bridges, Montana

1/ Insert the name of the Operator as it will appear in the Exploration Project Contract.

2/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

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> Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

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OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Montana, County of Madison, which is the subject of a proposed Exploration Project Contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government", and 1/ U.S. Gold Corp, Twin Bridges, Montana

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said Contract which are set forth on the reverse side hereof, the Government will acquire certain rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said Contract and as an inducement to the Government and Operator to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to remove facilities, buildings, fixtures, and equipment, as provided in the Contract, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned.

2. The Government's percentage royalty on net smelter returns or other net proceeds realized from ore, concentrates, or metal produced within ten (10) years from the date of the Contract, and the Government's lien for the payment of said percentage royalty shall attach to the mineral deposit and the production therefrom, in the amount of the Government's contribution, not in excess of 2/ $ 13,645.50, all upon the terms and conditions set forth in said Contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of the said Contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 15th day of Feb., 1952.

Camilla Cace

Twin Bridges, Montana

1/ Insert the name of the Operator as it will appear in the Exploration Project Contract.

2/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

Repayment by Operator. If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

> Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.
>
> Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Montana, County of Madison, which is the subject of a proposed Exploration Project Contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government", and 1/ U.S. Gold Corp. Twin Bridges, Montana

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said Contract which are set forth on the reverse side hereof, the Government will acquire certain rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said Contract and as an inducement to the Government and Operator to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to remove facilities, buildings, fixtures, and equipment, as provided in the Contract, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned.

2. The Government's percentage royalty on net smelter returns or other net proceeds realized from ore, concentrates, or metal produced within ten (10) years from the date of the Contract, and the Government's lien for the payment of said percentage royalty shall attach to the mineral deposit and the production therefrom, in the amount of the Government's contribution, not in excess of 2/ $ 13,645.50, all upon the terms and conditions set forth in said Contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of the said Contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 15th day of Feb., 1952.

CAMILLA CAGE

TWIN BRIDGES, MONTANA

1/ Insert the name of the Operator as it will appear in the Exploration Project Contract.

2/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

Repayment by Operator. If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

> Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.
>
> Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

the U.S.Gold Corporation Mine(formerly known as the Beilenberg and Higgins Mine)located in the Tidal Wave Unorganized Mining District,Township 3,South Range 4 West,M.M. and including The ~~Benny~~ following, related lode mining claims: THE BENNYS Survey #9842A,The Blue Jay ,Survey #10397,The Morning Star,Survey # and The Moonlight,Survey # 9099 . all indicated on the map attached herto and made a part hereof and entitled "Map of Underground Workings U.S.Gold Corporation,Madison County,Montana, Sept.10,1950".

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2367

COMMODITY Copper

DRAFT

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] U. S. Gold Corporation, a corporation duly organized and existing under and by virtue of the laws of the State of Washington
Twin Bridges, Montana

(unorganized)

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Montana County of Madison, described as follows:[3] Known ~~as~~ the U. S. Gold Mine ~~and~~ (formerly known as the Beilenberg and Higgins Mine) located in the Tidal Wave Mining District, Township 3 South Range 4 West, M. M. as shown on the ~~attached~~ map ~~identified as ANNEX I and made a part hereof.~~ attached hereto and made a part hereof entitled "Map of Underground Workings U-S-Gold Corporation Madison County, Montana Sept. 10, 1950"

the Operator represents and undertakes:[4]

(*a*) ~~That the Operator is the owner in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:~~

(Pursuant to a lease dated September 5, 1950 between Camilla Gage and the Operator)

(*b*) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consents to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within _____ days from the date of this contract shall commence work on a project of exploration for[5] Copper

in or upon the described land; and shall bring the project to completion within a period of four months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 50 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $4,200.00, which is 50 percent of $8,400.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided*, that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

U. S. Gold Corporation
(Operator)

By Acting Administrator, D.M.E.A.

By _____

I, _____, certify that I am the _____ secretary of the corporation named as Operator herein; that _____, who signed this contract on behalf of the Operator, was then _____ of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

_____ [CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

ROUGH DRAFT - FLKnouse

EXPLORATION PROJECT CONTRACT
U. S. Gold Corporation
U. S. Gold Mine

Docket No. DMEA-2367

etc.

EXHIBIT "A"

Description of the work:

~~The work to be done is for the purpose of exploring the property for copper mineralization. The work will be done~~ consists of driving an approximately 5' x 7' cross-section size drift a maximum distance of 300 feet in either a Northerly or Southerly direction along the vein as ~~shown on the attached map~~ from the Mojave Tunnel. The length that this drift is to be driven is subject to the approval of ~~the Government Field~~ a DMEA Field Engineer.

Estimated Cost of Project

~~Drifting~~ 300' of drifting ~~cross section~~ @ $28/foot $8,400.
(including geology, sampling and analyses costs)
~~including all costs, supervision, labor, engineering, geology, sampling, analyses, depreciation on operator's equipment, and purchase of equipment and supplies.~~ $8,400

~~The Government will contribute to the cost of drifting on the basis of the agreed estimated costs in lieu of actual cost.~~

The work ~~to be done is for the purpose of exploring the property~~ for copper mineralization indicated on the attached map.

The ~~object~~ objective of the work is the exploration for copper mineralization of the property indicated on the attached map. The work

Draft

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2367

COMMODITY Copper.

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 16 1952
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this _____ day of _____, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] U.S. Gold Corporation
Twin Bridges, Montana,

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Montana, County of Madison, described as follows:[3] Known as The U.S. Gold Mine and formerly known as the Bielenberg and Higgins Mine, located in the Tidal Wave Mining District Township 3-South Range 4 West M.M. as shown on the attached Map identified as ANNEX I and made a part hereof.

the Operator represents and undertakes:[4]

(*a*) ~~That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:~~

(*b*) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within _____ days from the date of this contract shall commence work on a project of exploration for[5] Copper

in or upon the described land; and shall bring the project to completion within a period of four months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 50 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $4200.00, which is 50 percent of $8400.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

U. S. Gold Corporation
(Operator)

By _____

By Adm. P.M.E.R.

I, _____, certify that I am the _____ secretary of the corporation named as Operator herein; that _____, who signed this contract on behalf of the Operator, was then _____ of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

_____ [CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

ROUGH DRAFT - FLKnouse

EXPLORATION PROJECT CONT

U. S. Gold Corporation
U. S. Gold Mine

Docket No. DMEA-2367

EXHIBIT "A"

Description of the work:

The work to be done is for the purpose of exploring the described property for copper mineralization. This work ~~to be done~~ consists of driving a 5' x 7' cross-section size drift a maximum distance of 300 feet in either a Northern or Southern direction along the vein as is shown on the attached map ANNEX I from the Mojave Tunnel. The length that this drift is to be driven is subject to the approval of the Government

Estimated Cost of Project

300' of 5' x 7' in cross-section size drift @ $28/foot including all costs, supervision, labor, engineering, geology, sampling, analyses, depreciation on operator's equipment, and purchase of equipment and supplies. $8,400

The Government will contribute to the cost of drifting on the basis of the agreed estimated costs in lieu of actual cost.

U. S. Gold - DMEA 2367

Sample Calculations

Sample No.

From	To	Av.Width	Length	Area	Value/ton	Product
5-	1	4.05'	10'	40.5	17.48	707.94
1-	2	3.75'	10'	37.5	24.49	918.37
2-	3&4	4.2	14	58.8	18.52	1088.98
				136.8		2715.29

Ave. wt 4.0' 34' Weighted Ave. $19.85/ton

Sample No.	Oz. Au.	Value	Oz. Ag.	Value	%W	Value	Total Value
1	.36	$12.60	.1	$ .09	.47	$2.30	$14.99
2	.60	21.00	3.8	3.34	1.97	$9.65	33.99
3	.02)	.70)	.1)	.09)	.20)	.98)	
4	.15)	5.25)	.2)	.17)	.20)	.98)	3.06
5	.28	10.64	1.7	1.50	1.60	7.84	19.98
		$ 50.19		$5.19		$21.75	
		5.19					
		$ 55.38					

U. S. Gold - DMEA 2367

Sample Calculations

Sample No.

From	To	Av.Width	Length	Area	Value/ton	Product
5-	1	4.05'	10'	40.5	17.48	707.94
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4	.15)	5.25)	.2)	.17)	.20)	.98)	3.06
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		$ 50.19		$5.19		$21.75	
		5.19					
		$ 55.38					

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

FEB 11 1952

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

Not To Be Filled in by Applicant

Docket No. DMEA-2367
Metal or Mineral
Date Received 2-11-52
Amount $
Participation (Government %)

U.S.Gold Corporation
Twin Bridges Montana

Name and address of applicant

Date February 7th, 1952

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

DMA Docket Number (if available) .....

INSTRUCTIONS

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

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

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

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

U.S.Gold Corporation
(Name of company)

By A P Clark
(Signature of authorized official)

February 7th, 1952
(Date)

General Manager
(Title)

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

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

FORM 103

1-A. U. S. Gold Corp. Mine, in the unorganized tidal wave Mining District, town ship 8, range 4W M. M. Madison County Montan.
B. Lease attached.
C. Work to be done on the Blue Jay & Benny Claims, Subordination of Lessors attached & both areas same.
2-A. Copper, gold and silver.
B. Engineers report and maps attached.
3-A. Drift 400 ft. on copper vein, raise 100 ft., on same at a total cost of $22,335.
B. Start at once & complete in four months.
4. Maps & sketches attached.
5. Blacksmith shop, dry room, boarding house, bunk house, five cabins, all furnished with lights, hot and cold water, beds, tables, and heat. No repairs needed.
6. None
7-A. One ingersol rand compressor 315 $200 pr. mo.
One 440 Transformer $ 25 " "
Ten Edison Lamps $ 15 " "
B. One Atlas Stoped complete $615 " "
One thousand Ft. of 12 inch ventalation $1100 " "
Motor & fan $500 " "
Wire & installation $1000 " "
Rails $470
Water pipe $ 75
Air pipe $475
Air & water hose $200
C. One H. D. 10 A. C. Dozer $167 Pr. Mo.
One 1 Chev. Pickup $ 25 " "
One Atlas Battery Trammer $ 75 " "
One Gardener Denver Mucker $ 75 " "
One Atlas Drifter $ 22 " "
One Jack Hammer $ 10 " "
One Hobart Welder $ 42 " "
Smith Cutting Torch $7.50 " "
Blacksmith Shop with all tools $ 50 " "
Charger for Trammer $ 10 " "
Pipe wrenches Jim Crows, Tract Punches, Threaders, Grin ers, picks, shovels Chargers for Edison Lamps, all small tools $ 20 " "
Dry room $ 16 " "
Boarding house $ 50 " "
Bunk house $ 50 " "
8. Supervisor per month $400 " "
One utility man $ 13 " "
9. Engineering $750
Assaying $120
Accounting $400
Electric power $760
Powder $1500
Fuse & Caps $450
Steel & bits $1000
Timber & lumber $1000
Industrial Insurance, Social Security, Unemployment Compensation $1000
Fuel, Gas, Oil, Diesal $500
Miscellanous $1000
10-A. Twelve Thousand Dollars.
B. Yes.

Form MF-100
(May 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

FEB 11 1952

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2367

Date received 2-11-52

U.S.Gold Corporation
Twin Bridges, Montana

Name and address of applicant

Date February 7th,1952

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) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) 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.

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		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	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	$300,000	$ 150,000	$ .10	1.000.000	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.

U.S.GOLD CORP.
(Name of company)

By A P Karp
(Signature of authorized official)

February 7th, 1952
(Date)

General Manager
(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

No 1.
A. Copper silver [illegible] gold.
B. [illegible] no

No 2. Pete & Joe, Dollmaker & Clothes, Incorporation gold mining company. U.S. Gold Corporation.
A. [illegible] burned [illegible] street ft. elected.
B. [illegible] street ft. crescent [illegible] drive.
C.
D. [illegible] burned ft. of [illegible].

No. 3
A. [illegible] a [illegible] of this [illegible].
B. [illegible] have [illegible] mining [illegible].
C. [illegible] 3. [illegible] 6. .....
D. [illegible] County [illegible].

No 4. .....
A. [illegible] by [illegible] [illegible] [illegible] Gold [illegible].
B. [illegible].
No 5. [illegible] [illegible] [illegible]

No 16. One supervisor, one consulting engineer, and four miners.

No 17. Blacksmith shop dry room, boarding house, bunk house, five cabins, large mill building, forge, engine D. 10 A. C. dozer. Fourty-eight Chevrolet pickup, atlas battery trammer gardener denver machine machine, atlas drifter, one jack hammer hobart portable welder. Patch cutting torch. Blacksmith shop tools, one 315 ingersoll rand compressor with 75 horse motor, one 315, vert + layton portable gas compressor.

No 18. None.

DMEA-2367

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible] 257 [illegible]
[illegible], Washington

[illegible]

[illegible]

[illegible]
[illegible] Exploration [illegible]
[illegible] Interior
[illegible]

[illegible]

[illegible] are three copies of [illegible] submitted by [illegible] Corporation, [illegible] has been retained [illegible] subject property.

[illegible]

[illegible]

[illegible]

[illegible]

c.c.

DMEA-2367

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

February 7, 1952

Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Dear Sir:

Enclosed are three copies of Form MF-103 and three copies of Form MF-100 submitted by U. S. Gold Corporation, Twin Bridges, Montana. One copy of the application has been retained at this office to expedite field examination of the subject property.

The applicant has advised this office that an Owner's Consent to Lien agreement is being obtained and will be forthcoming in the near future. He also advises that the property is currently accessible, and we are, therefore, planning to conduct a field examination within the next ten days.

Sincerely,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

c.c. USBM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. dmea 2367
Metal or Mineral
Date Received 3-20-52
Amount $
Participation (Government %)

U.S.Gold Corporation
Twin Bridges Montana

Name and address of applicant

Date February 7th, 1952

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

DMA Docket Number (if available) .....

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

CERTIFICATION

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

U.S.Gold Corporation
(Name of company)

By A. P. Ellerk
(Signature of authorized official)

February 7th, 1952
(Date)

General Manager
(Title)

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

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

FORM 103

#1-A. U.S. Gold Corp. Mine, in the unorganized tidal Wave mining district, town ship 38, range 4W M. M. Madison County Montana.

B. Lease attached.

C. Work to be done on the Blue Jay & Benny Claims, Subordination of Lessors Attached & both areas same.

#2-A. Copper, gold and silver.

B. Engineers report and maps attached.

#3-A. Drift 400 ft. on copper vein, raise 100 ft., on same at a total cost of ~~XX~~ $22,335.

B. Start at once & complete in four months.

#4. Maps & sketches attached.

#5. Blacksmith shop, dry room, boarding house, bunk house, five cabins, all furnished with lights, hot and cold water, beds, tables, and heat. No repairs needed.

#6. None

#7-A.

One Ingersol Rand compressor 315	$200	pr. mo.
One 440 Transformer	$ 25	" "
Ten Edison Lamps	$ 15	" "
B. One Atlas Stoped Complete	$614	" "
One thousand Ft. of 12 inch ventalation	$1100	" "
Motor & Fan ~~½X~~	$500	" "
Wire & installation	$1000	" "
Rails	$470	XXXX
Water pipe	$ 75	XXXX
Air pipe	$475	XXXX
Air & water hose	$200	
C. One H.D. 10 A. C. Dozer	$167	" "
One 48 Chev. Pickup	$ 25	" "
One Atlas Battery Trammer	$ 75	" "
One Gardener Denver Mucker	$ 75	" "
One Atlas Drifter	$22	" "
One Jack Hammer	$ 10	" "
One Hobart Welder	$ 42	" "
Smith Cutting Torch	$7.50	" "
Blacksmith Shop with all tools	$ 50	" "
Charger for Trammer	$ 10	" "
Pipe wrenches Jim crows, tract punches, Threaders, Grinders, picks, shovels Chargers for Edison Lamps, all small tools	$ 20	" "
Dry room	$ 16	" "
Boarding house	$ 50	" "
Bunk house	$ 50	" "

#8.

Supervisor per month	$400	"~~Day~~
One utility man	$ 13	" Day

#9.

Engineering	$750	XXXXX
Assaying	$120	
Accounting	$400	
Electric power	$760	
Powder	$1500	
Fuse & Caps	$450	
Steel & bits	$1000	
Timber & lumber	$1000	
Industrial Ins. Social Secutiry Un employment Compensation	$1000	
Fuel, gas, oil, diesal	$600	
Misc.	$1000	

#10-A. $12,000

B. Yes.

Form MF-100
(May 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. DMEA-2367

Date received 2-11-52

U. S. GOLD CORPORATION
Twin Bridges, Montana

Name and address of applicant

Date February 7, 1952

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) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) 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.

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		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	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	$ 300,000	$ 150,000	$ .10	1,000,000	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.

U. S. GOLD CORP.
(Name of company)

By A P Clark
(Signature of authorized official)

February 7, 1952
(Date)

General Manager
(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

FORM 100

No 1.
A. Copper silver and gold.
B. None

No 2. Pete & Joe, Beilenberg & Higgins, Insperation gold mining company. U.S. Gold Corporation.
A. Two hundred & sixty ft. flooded.
B. Ten thousand ft. crosscuts & drifts.
C.
D. Fifteen hundred ft. of raises.

No. 3
A. 12 miles northeast of Twin Bridges.
B. Tidal wave unorganized mining district.
C. Township 38, range 4W.
D. Madison county Montana.

No 4.
A. Property is being developed by U.S. Gold Corp.
B. Lessee.

No 5. Reported in memoir #20, state of montana buera mines & geology, publishes in May 1940, the approximate production. Over a period of 50 yrs, as eight hundred thousand dollars. We expect to be in production in July in 1952.

No 6. The property will be supervised by A.P. Clark, with W. E. Stevens, of Norris, Montana as consulting engineer. A. P. Clark has had four yrs. with the Company, the last two as manager, References: Cecil Hunter president of the Security Branch Bank, 804 N. Monroe St. Spokane, Washington. Henry Praetorius, President of the United Hillyard Branch Bank, Spokane, Washington
E. W. Stevens has had twenty years of mining and supervising mines before graduating from the Butte Schools of Mines in 1944. He has been our consulting Engineer since July of 1950 and will remain in our employ directing the development work.

No 7.
A. E. W. Stevens report covers this completely.
B. Have no information as to production of neighboring properties.
C. E. W. Stevens reports & maps attached.

No 8.
A. E. S. Lovell-President-12510 15th Ave. N. E. Seattle, Washington-D.
A. P. Clark-Vice President-Twin Bridges, Montana-D
A. Fagnant, Secretary & Treasurer, 405 Cedar St. Seattle, Wn. D.
Oliver Dilling-Connell, Wn., D.
W. A. Lovell, 12510 15th Ave. N.E. Seattle Wash. D.

No 11. We expect to be mining 2000 tons per month by June 1952.

No 12. E. W. Stevens report covers this information

No 13. 8 miles of county road 4½ miles of good mining road.

No 14. Ample water for all purposes year round.

No 15. Power bought from Montana power wholesale delivered over our private line, cost about $190 pr. mo.

No 16. One supervisor, one consulting engineer, and four miners.

No 17. Blacksmith shop dry room, boarding house, bunk house, five cabins, large mill building, fare. One H. D. 10 A. C. dozer. Fourty-eight Chevrolet pickup, atlas battery trammer gardener denver mucking machine, atlas drifter, one jack hammer hobart portable welder. Smith cutting torch. Blacksmith shop tools, one 315 engersal rand compressor with 75 horse motor, one 315, worthington portable gas compressor.

No 18. None.

MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2367
Metal or Mineral
Date Received 2-11-52
Amount $
Participation (Government %)

U.S.Gold Corporation
Twin Bridges Montana

Name and address of applicant

Date Feburary 7th, 1952

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

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

U.S.Gold Corp.
(Name of company)

By A P Clark
(Signature of authorized official)

February 7th, 1952
(Date)

General Manager
(Title)

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

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

FORM 103

#1-A. U. S. Gold Corp. Mine, in the unorganized tidal Wave Mining district, town ship 38, range 4W M. M. Madison County Montan.

B. Lease attached.

C. Work to be done on the Blue Jay & Benny Claims, Subordination of Lessors attached & both areas same.

#2-A. Copper, gold and silver.

B. Engineers report and maps attached.

#3-A. Drift 400 ft. on copper vein, raise 100 ft., on same at a total cost of $22,335.

B. Start at once & complete in four months.

#4. Maps & sketches attached.

#5. Blacksmith shop, dry room, boarding house, bunk house, five cabins, all furnished with lights, hot and cold water, beds, tables, and heat. No repairs needed.

#6. None

#7-A.	One ingersol rand compressor 315	$200	pr. mo.
	One 440 Transformer	$ 25	" "
	Ten Edison Lamps	$ 15	" "
B.	One Atlas Stoped complete	$615	" "
	One thousand Ft. of 12 inch ventalation	$1100	" "
	Motor & fan	$500	" "
	Wire & installation	$1000	" "
	Rails	$470	
	Water pipe	$ 75	
	Air pipe	$475	
	Air & water hose	$200	
C.	One H. D. 10 A. C. Dozer	$167	Pr. Mo.
	One 48 Chev. Pickup	$ 25	" "
	One Atlas Battery Trammer	$ 75	" "
	One Gardener Denver Mucker	$ 75	" "
	One Atlas Drifter	$ 22	" "
	One Jack Hammer	$ 10	" "
	One Hobart Welder	$ 42	" "
	Smith Cutting Torch	$7.50	" "
	Blacksmith Shop with all tools	$ 50	" "
	Charger for Trammer	$ 10	" "
	Pipe wrenches Jim Crows, Tract Punches, Threaders, Grinders, picks, shovels Chargers for Edison Lamps, all small tools	$ 20	" "
	Dry room	$ 16	" "
	Boarding house	$ 50	" "
	Bunk house	$ 50	" "
#8.	Supervisor Per month	$400	" Day
	One utility man	$ 13	" Day
#9.	Engineering	$750	
	Assaying	$120	
	Accounting	$400	
	Electric power	$760	
	Powder	$1500	
	Fuse & Caps	$450	
	Steel & bits	$1000	
	Timber & lumber	$1000	
	Industrial Insurance, Social Security, Unemployment Compensation	$1000	
	Fuel, Gas, Oil, Diesal	$600	
	Miscellanious	$1000	

#10-A. Twelve Thousand Dollars.

B. Yes.

A

R E P O R T

on

property of

THE U. S. GOLD CORPORATION

of

Twin Bridges, Montana

by

E. W. Stevens

September 16, 1950

CONTENTS

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Plate I .....Composite & Claims

Plate II .....Underground B&H, P&J

Plate III .....Assay Map

Plate IV .....Geology B&H

Plate V .....Geology P&J, 717, 703, 702, 701.

Plate VI .....Geology Mohave Tunnel

SUMMARY

This report on the U. S. Gold Mine contains the following statements of fact and expressions of opinion.

The U. S. Gold Mine has a very good property in the combined mines of the Bielenberg & Higgins and the Pete & Joe workings. It has not one vein system but several, any one of which could produce more than the total past production of these claims. Geologically conditions are favorable for continuance of ore and of gold content to considerable depth.

From above the 800 ft. level approximately $800,000 has been produced. I would estimate that much more will be taken from this same area. In studying this property, I find the more depth below the Apex one gets, the more consistent the ore bodies. This indicates that near the top the values followed small fractures, therefore, with depth large ore bodies should be encountered.

The metallurgy is not complex as indicated by the recoveries made by antiquated milling equipment as shown in the Corry report. Modern flotation would handle this ore with a minimum of cost.

The conclusion is reached that the property merits development to depth; also, that as little ore as possible should be mined in any of the workings now open until it can be handled through the Mohave tunnel.

Norris, Montana
September 16, 1950

E. W. Stevens
Consulting Engineer

GENERAL INFORMATION

The mining claims forming the property of the U. S. Gold Corporation are situated in the Tidal Wave Unorganized Mining District, T. 3 S., R. 4 W., M. M., Madison County, Montana. This property lies twelve miles east of Twin Bridges, Montana, a small town on the Alder Branch of the Northern Pacific Railroad. The claims lie on the western slope of the APA mountain, a very prominent peak of the Tobacco Root range. The elevation of the claims ranges between 7000 and 10,000 ft. above sea level.

The property consists of patented and unpatented mining claims, namely: The Frost Kind Lode, the Morning Star, the Sunlight, the Snowdrift, the Sunnyside, the Rolling Pin, the Rolling Pin Mill Site, the Gold Ranch, the Crystal Spring, the Pennant Winner, the Twilight, the Royal Bear, Aurora, Pete & Joe Extension and the Pete & Joe. The above claims are all patented. They also have the Ballyhoo, the Snowshoe, the North Star, the Morning Star Tunnel Site, the Daylight Tunnel Site, the Daylight, the Monday Morn, the Aurora Lode No. 3 and the Polaris Lode. The latter are all unpatented claims and are held by location and annual representation. The above claims form a compact group.

Access to the mine may be had by traversing eight miles of county road and four miles of very good mountain road. It is possible to maintain an open road throughout the winter.

HISTORY AND PRODUCTION

Early day prospectors discovered rich float in the Tidal Wave mining district as early as 1860. For the next few years this float was gathered off the surface; some was hand mortared and some was hauled and packed to Arrastas. Adjoining claims and some of those in the present U. S. Gold Corporation group were worked intermittently, mainly the surface croppings and the float gathered until 1894. As an example, the Aurora No. 3 had an Arrastas in operation as early as 1890.

From 1894 to 1896, high grade ore was shipped and a five stamp mill was built on the strength of ore found on the Frost King. This mill ran during the summer months until about 1907.

In 1907, other people became interested and drove a 250 ft. drift to intersect the vein now showing in the No. 801 tunnel. This vein has the present designation of No. 823 (see Plates Nos. 1, 2, 4). They are said to have produced $10,000 in gold and lead until 1910. At this time, Bielenberg and Higgins purchased the property. They continued to develop and mine until 1930. It is reported that from 16,000 tons of ore treated, they recovered $102,000.

Available production records of this district date from 1904-1930 and according to statistics, 29,966 tons of ore, containing silver, gold, copper, lead and zinc with a total value of $618,689, were reported for this period.

The Pete and Joe claim in the Corry report is reported to have produced between the years 1920-1930 1128.7 tons of ore that averaged $68.31 per ton or $77,105. These figures were taken from the smelter returns at the time Corry wrote his report.

In the fall of 1930, the Inspiration Gold Mining Co. was incorporated under the laws of the State of Montana. It is reported in the mineral resources of the U. S. reports for 1935 that 7,326 tons of ore were treated and

the concentrates along with 89 tons of crude ore were sent to the East Helena smelter for treatment in 1934. This same source reports only small shipments of crude ore being shipped for the succeeding years until 1944 when 119 tons of lead ore were shipped. After 1944, only small shipments of crude ore were made until the present time.

Due to the many ownerships of different claims that are now in the U. S. Gold Corporation group, it is very difficult to get an accurate production record on this property. It is reported in Memoir #20, State of Montana Bureau of Mines and Geology, Francis A. Thomson, Director, published in May, 1940, that the approximate production from this group is $800,000.

I would say from my examination of the mine and old records that the above estimate is quite close to the amount this group of claims actually produced.

FACILITIES AND EQUIPMENT

The Facilities for economic mining and ore treatment are excellent. The mine is serviced by the Montana Power Co. over 11½ miles of its own power line. Ample power is available for any size operation at all times. Plenty of water and mine timbers may be had from the mine's own claims.

The Mine Equipment consists of two compressors; one 300 cu. ft. Worthington portable at present undergoing repairs; one 1,000 cu. ft. Worthington, belt driven with 150 h.p. G. E. motor. This compressor is also in need of repair. Other mining equipment consists of one Atlas trammer, one Gardner-Denver mucking machine and the usual track, mine cars, air and water pipe, rock drills, vent tubes, ventilation fan and motor and other facilities to complete the necessary equipment. There is a large blacksmith shop and compressor shop, snow sheds, cabins and dwelling units to take care of any immediate crew.

The Mill and Equipment are well situated at the portal of the Mohave tunnel, (Plate #1). It has an ore bin capacity for over 1500 tons. There are two crushers and the buckets for elevating the ore from one bin to another. The crushers could be used to handle 500 tons per day. There is an 8x8 late type ball mill, capable of grinding 250 tons of ore for a flotation product per day. The motor to run this ball mill is in place, however, the balance of the mill machinery has been removed and would have to be replaced before any milling could be done. The mill building is adequate and with some repairs could be put into very excellent condition.

Other Equipment consists of one Army half track, one 7 H.D. and one 10 H.D. Allis Chalmers bull dozers and one late model Chevrolet pick-up truck.

DEVELOPMENT

Aside from numerous open cuts and shallow drifts, the development of the U. S. Gold Corporation is as follows:

At the time of my visits during August, 1950, I found about 10,000 linear feet of crosscuts, drifts, and intermediate levels accessible; about 1500 ft. of raises, most of which were accessible and 260 ft. of winzes that were not accessible. Most of this work has been concentrated on the Moonlight, Royal Bear, Pete & Joe, Twilight, Aurora and Gold Ranch Claims. (See Plate #1 for composite of this work). Descriptions of the different tunnels will follow in short paragraphs.

No. 1 Tunnel (Plates #3, #5). Upon examining this, we found very little of it caved and approximately 1000 ft. of drifts and crosscuts. The north drift, which should take in the Pete & Joe vein here and after called the Winze vein for the purpose of coordinating with Corry's report, we found caved in the vicinity of where the Winze vein should cross it. However, a strong pegmatite dike in this area may bear future investigation. Near the face of this tunnel, there is strong mineralization in an easterly direction as well as a vein striking north 55 to 60 degrees east and dipping 55 degrees to the north. Some sampling was done and the results are found on Plate #3.

Harrington Tunnel. At the time of my visit we were unable to make an examination of this tunnel.

No. 2 Tunnel, commonly known as the Page Connection. The portal of this tunnel was caved, however strong indications of lead bearing ore on the dump necessitated finding a way into this work. We did this through the B&H tunnel and incline vein. Plate No. 5 shows the geology and the plane view of this tunnel. Near the portal, faulting and cross fissuring have evidently broken up some very nice lead showings on a vein striking N.E. and dipping to the south. About 150 ft. from the portal, considerable faulting with some pegmatite

and mineralization indicates the vein found in the north drift of the No. 1 tunnel. The balance of this tunnel is on the Winze vein and shows strong mineralization. The probable ore indicated in the Corry report as 8D has never been touched.

No. 3 Tunnel (Plate #3, #5). Considerable recent work has been done on this tunnel. Plate #3 shows the assays taken which indicate mill ore left in this vicinity. The vein is strong, persistent and excellent indications of ore beyond the present face of this tunnel is almost a certainty since this Winze vein should intersect the incline vein in a short distance.

Intermediate Level (Plates #3, #5). As indicated on Plate #3 and #5, there are two veins at this level, indicating mineralization and values between the two. Plate #3 shows an average value of $4.60 over a 19 ft. width. How far this extends in either direction from the connection of the two veins is problematical; however, properly handled and mined, much ore may be found in this area.

No. 5 Tunnel (Plates #3, #5). This tunnel was reached through No. 3 and then trhough the intermediate and on up to No. 5, since the portal was caved. Mining has been carried on above this level to some extent, mostly high grading, leaving gobs that will eventually make mill ore. The quantity of ore above this level is difficult to estimate, but could exceed the tonnages estimated by Corry in 1931. However, from the indications of #3 Tunnel, the grade may be slightly lower.

717 Level (Plate #5). This work is done on the incline vein and shows strong mineralization on a vein striking almost due north. At the intersection of this vein with the Winze vein, large bodies of very good ore are indicated. Good values are also found along its strike. Considerable mill ore could be obtained from this area.

701 Level (Plate #5). This is also on the incline vein. Considerable stoping has been done along the strike. Indications are that no appreciable work has been done in this area since 1931.

702 Level (Plate #5). This level lies just below 701 and most of the ore between it and 701 has been stoped.

703 Level (Plate #5). This level is just below 702 and is on the same incline vein. Some stoping has been done and a small block of ore may be obtainable between this level and 702.

B & H Tunnel (Plate #4). Considerable work has been done on this level as Plate 4 shows. Its geology is complicated but most of the work is accessible. Mineralization starts almost at the portal in small stringers of varying dips, mostly to the south. Approximately 200 ft. from the portal, Vein 823 is encountered. There is reported to be a 60 ft. winze on this vein. Nice specimens of galena can be found. The amount of mining done indicates that some shipping rock has been taken from here. This vein strikes in a northeast direction and dips to the south. About 75 ft. farther in, Vein 826 crosses the B&H Tunnel. This vein also dips to the south. Traversing on south, one encounters Drifts 818 and 803. (Plte #1). The vein in this area is badly faulted and shows mineralization along its full length. This could be termed a fault vein. Progressing farther south, one encounters a shear zone until the 802-801 Drift is crossed. This drift, as well as 819 (Plate #1) is apparently on the Winze vein previously mentioned and shows a total length of approximately 750 ft. on the vein. Much stoping has been done in this area; indications are some mill ore is yet obtainable along the strike. The B&H Tunnel extends approximately 100 ft. beyond this intersection, due south, then turns southeast approximately 150 ft. Mineralization was encountered in several places, but not much exploratory work was carried out.

901 Level (Plate #2) At the time of my visit, this part of the mine was inaccessible. A study of old maps and the Corry report, along with what information I could gather from others, indicates that little if any work has been done in this area since 1931. Consequently, from what I was able to discover, and from what old maps show, the Winze vein persists downward.

1001 Level (Plate #2). The same as previously stated for 901 level holds true for this level.

Mohave Tunnel (Plates #6, #1). This tunnel is 1616 ft. from portal to face, mostly in hornblend gneiss with an occasional crossing of a tongue of monzonite and some pegmatite dikes. One major vein was crossed about 800 ft. from the portal, which showed exceedingly good values. Some stoping has been done at this point. About 190 ft. from the portal a draft was started N. E. and a number of mineralized stringers cut. This area will bear future investigation.

GEOLOGY

The country rock of this area is pre-Paleozoic gneiss of pre-Beltian age in the Pony series, however, the veins occur on the contact and within the body of a quartz monzonite or granite plug. This plug is of Cretaceous and Tertiary Age.

There are four main series of veins, mainly (1) the northeast series, (2) the east west series, (3) the northwest series, (4) mineralized faults. The northeast series is well illustrated by the Winze vein, shown on plates 4 and 5. Its strike is beween north 30 to 50 degrees east and dips to the north. The east west series is well illustrated by the two veins near the portal of the B & M Tunnel. Their strike is just a little south of east and their dip is to the south. The northwest series is better illustrated by Levels 701, 702, 703 on Plate #5. The mineralized faults are illustrated on Plate #4; they strike approximately south 20 degrees east and dip to the south. The average width of those veins is from a small stringer to approximately 12 ft. Where the northwest series intersect the northeast series, the ore bodies become quite large and apparently of a good grade. The numerous small veins shown on Plates 4 and 5 indicate that with more depth, more consistent ore bodies may be expected. The fact that the northeast series and the east west series dip toward each other indicates larger ore bodies with depth and near the junction of these two veins.

The Ore. It is usually quartz, containing pyrite and arsenopyrite, however, in some places stringers of pyrite wind through an apelite, enriching the apelite until it becomes commercial ore. In the eastwest series, especially, the values appear to be in quartz closely associated with galena. There is some calcopyrite showing at times as well as a little sphalerite.

ORE SHOOTS

Concerning shoots of ore and their occurrences, it is difficult to make any definite statement. However, the fact remains that wherever the incline vein contact the Winze vein, much mining occurred. Wide widths appear to have been mined. Furthermore, wide areas have been mined above the Winze on the Winze vein and it is apparent that part of the Page Connection is on this body which indicates wide stoping widths. The rake apparently goes through No. 3 Tunnel and into the Intermediate Level. This would take the shoot on projection down the Winze to the 900 and 1000 ft. levels. The ore in levels 701, 702 and 703 appears also to be in a shoot. There is indication of fault movement along the strike of this vein which may lead to narrow and wide places in the vein. This is quite apparent in the 819 Drift on Plate #1, the geology of which shows on Plate 4. It appears that a fault movement has been along the vein and in places almost pinching off the vein, but in other places making more room, thus allowing better circulation of mineralizing solutions and making them zones of enrichment.

It is very difficult to make any prediction as to the direction the ore shoots pitch. In general their occurrence is likely to be irregular. More work along the strikes of these veins undoubtedly will develop a pattern and give a direction to the pitch of the shoots.

ORE RESERVES

(All Calculations Based on Gold @ $35.00/Oz.)

Due to the amount of work involved in building a working set of maps for this property and the necessity of getting the geology for future development, we did not sample the parts of the mine on which we had reliable reports. The report by Corry in 1931 shows a good deal of sampling and blocking of ore bodies, some of which he was unable to see, mainly due to the water in the winze which makes that part of the mine still unattainable and since he had access to the mine's records which were available at that time but are not now, I shall take his report on this area. Therefore, I have sampled only the area which he did not, such as Tunnels #1 and #3, as shown on Plate #3. I have further checked on our maps blocks of ore Mr. Corry has indicated and find 95% of those above water have never been mined. Therefore, I feel certain that if the ore were in the Winze at the time of the Corry report, it is still there, consequently for the 900 and 1000 ft. Levels, I will say there is 19,610 tons of possible ore of approximately one-half ounce per ton or about $17.00 per ton, which should gross plus $330,000. Since this takes care of over half the dollar value he estimates, I would not hesitate to say that the other half is above the water. In other words, I would estimate a gross value of about $600,000 worth of ore in all of the various workings.

I would not call any of the estimated tonnage positive ore. Most of it isn't even probable ore, but certainly all of it is possible ore. I would classify each of these terms according to the following:

<u>Positive Ore</u> Any ore having four sides exposed and sampled and measured at regular intervals of not over 5 ft., also broken ore that can be measured and sampled.

Probable Ore Under this heading I would list blocks of ore exposed on two and three sides and sampled and measured every five feet on exposed sides.

Possible Ore Any ore that can be sampled and measured on one side where sufficient geological reason may be advanced for its continuation for not over 25 ft. from any one sampled face. Also, any ore previously mapped and sampled where sufficient reason is advanced to believe it has not been previously mined.

There is approximately 3000 tons of broken ore on the dumps at the various tunnels. Under present hauling and milling costs, it would not pay to run much of this through a mill, however, if and when the price of gold is increased, this dump ore will become ore reserves. There is another possibility of making a profit out of this dump ore; that is, in screening and doing a little belt sorting, one might increase the value to where a profit can be made.

POLICY OF DEVELOPMENT

After making a thorough study of the geological structure and the possibilities of further ore development in No. 3 Tunnel and No. 1 Tunnel, as well as in numerous places in the B & H Tunnel, and taking into consideration the possibilities of diamond drilling, I strongly advise the completion of the Mohave Tunnel to the downward projection of the Winze vein. Removing the ore from any of the works above the Mohave Tunnel to a suitable place for milling is too costly. It is unadvisable to try to operate above the Mohave Tunnel in the winter since even with modern equipment, it is nearly impossible to maintain a road.

I also recommend drifting both ways on the Winze vein after it is encountered. A raise should be started to connect up the bottom of the Winze with the Mohave Tunnel as soon as possible after the Winze vein is cut. Upon completion of the raise, enough ore should be available to justify completing the mill.

Plate No. 1 shows an approximate position of the Pete & Joe or Winze vein at an elevation of approximately 8070 ft. Provided that the present face is turned and the drift is run south 52 degrees east for 1200 ft., it should encounter this downward projection. In the meantime, it should cut several other veins known to be in the vicinity between the present face of the Mohave Tunnel and the downward projection of the Winze vein. Veins 823 and 826 should be cut as well as Vein 821. (Plate #1). There are other veins showing on the surface which have been developed by shallow shafts and short drifts which are now caved. It was impossible to get strikes and dips on these, consequently they are not located on Plate 1. Nevertheless, it is not right to lose sight of the fact that they are there, any one of which could develop into as big and strong a vein as the Winze vein.

On the southwest end of the Pete & Joe Extension Claim, there is a very nice showing of zinc ore. In view of the present world situation, I think it would be advisable to plan some future development on this showing. I recommend that the work in the Mohave Tunnel and wherever else possible be done by contract. I am of the opinion that by contracting the Mohave Tunnel it can be completed in six months, barring unavoidable shut downs and provided that the supplies are purchased and brought in during the fall of the year to avoid delays.

CONCLUSIONS

In conclusion may I say that after considerable time spent on the property, much study and a good deal of mapping, I consider the U. S. Gold Corporation Mine a good mining venture.

I feel that under proper management, this property can be made to pay a profit. It is true that the present costs of mining are high but once the Mohave Tunnel is completed, one should be able to remove ore from this mine as cheaply as any place in the United States where the ore is being removed from underground.

I see no reason why the ore values should not continue in depth, in fact, I think they should improve as more depth is gained. Once the Mohave Tunnel is completed and is used as a main haulage way, it should be possible to mine and mill at a profit much of the ore in the upper workings that cannot be handled in any other way.

E. W. Stevens
Consulting Engineer

Norris, Montana
September 16, 1950

U.S. GOLD CORPORATION
Madison County
Twin Bridges, Monta

February 1, 1952

I visited the property of the U.S. Gold Corporation near Twin Bridges, Montana on January 27, 1952. The purpose of this visit was to examine the vein in the Mohave tunnel that was cross cut a few weeks ago and to try to determine if it is one of the known ore bodies above. From its position on the map and its strike and dip, I believe I can say conclusively that it is not one of the previously known veins.

I found this vein to strike south 21 degrees west and to dip 41 degrees northwest. It lies in the southeast corner of the Blue Jay claim on the level of the Mohave tunnel. The structure is strong and the average width of the vein is 56 inches. The average value of five samples taken shows 2.95 oz. silver, 0.628 oz. gold and 4.74% copper. The total length opened up along the strike of the vein is only 14 ft.

I strongly recommend that this vein be followed along its strike to the southwest since by following it in this direction, you are going into the hill which means you will gain elevation as youprogress. At a later date it should also be followed along its strike to the northeast. I further recommend that a raise be driven at least 100 ft. on the dip of the vein above the Mohave tunnel. I would suggest that at least 400 ft. of drifting be carried on along the strike of this vein.

From the position of this copper bearing vein in the Mohave tunnel the vertical depth to the surface is in excess of 600 ft. The distance to the surface along the dip of the vein would exceed 600 ft. It is difficult to determine the exact distance since at this time we have no information about where this vein apexes on the map. Due to the heavy snows, we will be unable to determine the apex until June or July of this year.

I will visit this property again in the near future and expect to see as much improvement in this as there was since I last saw it on December 2, 1951.

E. W. STEVENS
Consulting Engineer.

AGREEMENT.

THIS AGREEMENT MADE and entered into this 5th day of September, 1950, by and between Camilla Gage, a widow, of Twin Bridges, Madison County, Montana, hereinafter called the party of the first part and the U.S. GOLD Corporation, 405 Cedar Street, Seattle Washington, hereinafter called the party of the second part.

WITNESSETH: The party of the first part for and in consideration of the sum of ONE DOLLAR ($1.00) to her in hand paid by the party of the second part, receipt of which is hereby acknowledged, and in further consideration for the royalties, covenants and agreements herein and hereinafter set forth, does, by these presents, lease unto the party of the second part, together with the sole and exclusive option to purchase by said party of the second part, the following described mining claims situated in Madison County, Montana, as follows, to-wit

THE BUNNY MILLESITE CLAIM (Patented) Survey #9842 B
THE BENNY LODE MINING CLAIM (Patented) Survey # 9842
THE BLUE JAY LODE MINING CLAIM (Patented) Survey # 10397
THE EXQUIDATOR LODE MINING CLAIM (Patented) Survey #10397
THE MOONSHINE LODE MINING CLAIM (unpatented) and the
BANK HARVEST LODE MINING CLAIM (unpatented) recorded in the office of the County Clerk & Recorder for Madison County, in Book 26 on page 179.
THE SEMOO LODE MINING CLAIM (unpatented) certificate of location of said claim is of record in the office of the County Clerk & Recorder for Madison County, Montana in Book 35, page 371.
The six above described Mining Claims are all situated in Madison County, Montana, in the Tidal Wave Mining District, Township 3 S. Range 4 W.

DURING THE LIFE of this Agreement the party of the second part agrees to pay the party of the first part ten per cent (10%) of the net amount paid for any ore, concentrates or bullion produced from any of the above described mining claims, by any Purchaser including any premium payments that might hereafter be allowed.

IT IS FURTHER AGREED that the life of this Agreement shall be THREE(3) YEARS, during which time the party of the second part guarantees to pay the party of the first part ONE HUNDRED DOLLARS ($100.00) on the first day of each and every Month commencing on the first day of October, 1950.

IN CONSIDERATION of the covenants, premises and agreements heretofore and hereinafter set forth the party of the first part does hereby give and grant unto the party of the second part, his heirs and assignees the sole and exclusive option to purchase all of the heretofore described mining property for the sum of TEN THOUSAND DOLLARS ($10,000.00). FIVE THOUSAND DOLLARS ($5,000.00) to be paid on or before October, 1, 1952, the remaining ($5,000.00) FIVE THOUSAND DOLLARS, to be paid on or before OCTOBER 1, 1953. In this connection it is distinctly understood

and agreed that the ten per cent (10%) royalties heretofore provided, together with the Monthly payments of One Hundred Dollars ($100.00) are to apply and accrue on said purchase price.

THE PARTY OF THE second part does agree to faithfully perform the annual assessment work required by the Federal Government for the holding of unpatented claims, namely THE SIMOO, THE BANK HARVEST and MOONSHINE, all unpatented lode mining claims and furthermore the party of the second part does agree to assume and pay all taxes that may be levied against said property, more specifically the yearly taxes on the patented claims: THE BENNY LODE, THE BLUE JAY and LIQUIDATOR LODE MINING CLAIMS

THE PARTY OF THE second part shall not suffer nor permit said premises or any part thereof, to be charged with any lien for labor, material, taxes, or other matters on account of work, operations or development of said premises by said party of the second part or on account of any improvements placed thereon by said party of the second part and shall at all times indemnify and save harmless the party of the first part on account of all indebtedness which may be incurred by the party of the second part.

IT IS FURTHER AGREED, that all and any machinery and equipment placed upon said premises by the party of the second part, may be, in the event of the termination of this agreement, removed by the party of the second part, within thirty days after said termination.

UPON VIOLATION OF any of the covenants herein set forth and required to be performed by the party of the second part, the party of the first part, may at her option be given thirty (30) days notice to the party of the second part, of her intention to terminate this lease and option, specifying the defaults relied upon and unless within said thirty days the party of the second part shall have completely performed any and all of the covenants violated and specified in said notice, this lease and option shall terminate and said party of the second part and all persons found in possession or occupancy of said premises, may be evicted by party of the first part, with or without process of law.

TIME IS THE ESSENCE of this agreement and each and every covenant therein contained shall be binding upon the respective heirs, executors, administrators and assignees of each of the parties hereunto. However it is distinctly agreed that upon default of the royalties heretofore provided or of any of the terms and conditions of this agreement that the royalties heretofore paid shall be retained by the party of the first part, and with the monthly payments these payments shall be considered as agreed and liquidated damages and that nothing herein shall be

construed as obligating the party of the second part to complete the purchase price or make any further monthly payments.

IN WITNESS WHEREOF, the parties hereunto have set their hands the day and year below written.

Camilla Gage
Party of the First Part

U.S. Gold Corp.
E. S. Lowell Pres.
V. H. Fragnant
Party of the Second Part

STATE OF MONTANA }
COUNTY OF Madison } SS

On this 5th day of September, 1950 before me, the undersigned Notary Public, personally appeared Camilla Gage, a widow, known to me to be the person whose name is subscribed to the above and foregoing instrument and who acknowledged to me she executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate above written.

Notary Public
NOTARY PUBLIC for the State of Montana.
Residing at Twin Bridges, Montana.
My commission expires January 26th, 1953,

MY COMMISSION EXPIRES:

STATE OF WASHINGTON }
COUNTY OF King } SS

On this day 29 of September, 1950, before me the undersigned Notary Public, personally appeared
known to me to be the person whose name is subscribed to the above and foregoing instrument, and who acknowledged to me they executed the same.

In Witness whereof I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Dayard L. McIntosh
Notary Public

My Commission expires:
Nov 18, 1951

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

Defense Minerals Administration
RECEIVED
FEB 11 1952

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2367

Date received 2-11-52

U.S.Gold Corporation
Twin Bridges Montana

Name and address of applicant

Date February 7th,1952

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) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) 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.

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		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	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	$300.000	$150.000	$ .10	1.000.000	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.

U.S.GOLD CORPORATION
(Name of company)

By A P Clark
(Signature of authorized official)

February 7th, 1952
(Date)

General Manager
(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

No 1.
A. Copper silver and gold.
B. None

No 2. Pete & Joe, Zollenberg & Higgins, Incporation Gold Minin; company. U.S. Gold Corporation.
A. Two hundred & ninety ft. flooded.
B. Ten thousand ft. crosscuts & drifts.
C.
D. Fifteen hundred ft. of raises.

No. 3
A. 12 miles north east of Twin Bridges.
B. Tidal wave morphanism mining district.
C. Township 2S, range 4W.
D. Madison county, Montana.

No 4.
A. Property is being developed by U.S. Gold Corp.
B. Lessee.
No 5. As noted in memoir on Mon. south of Montana Bureau Mines & Geology, published in May 1940, the operation once produced in over a period of 50 yrs, as of 1c hundred thousand dollars. We expect to be in production in July in 1951.

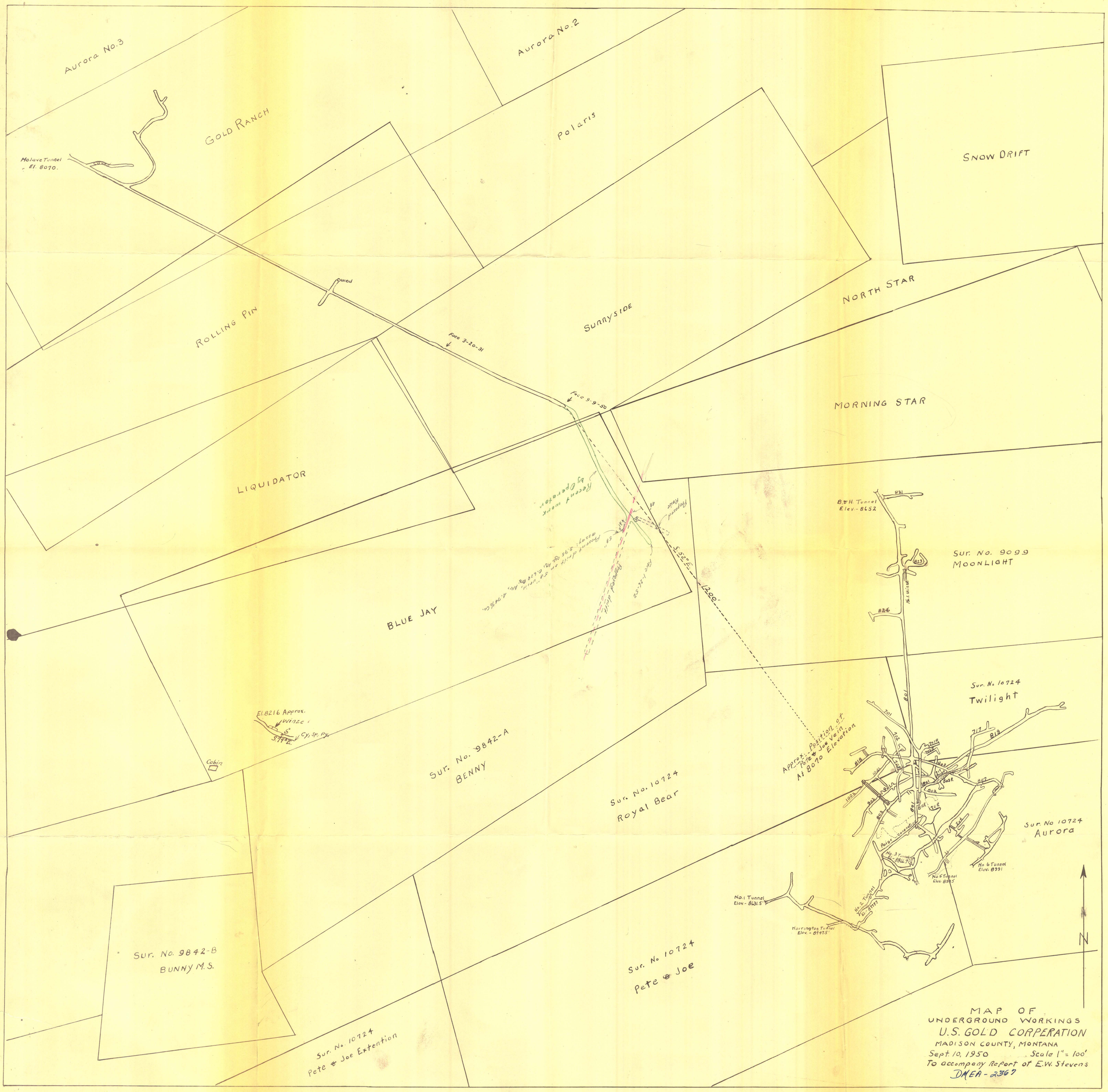
No 6. The property will be supervised by A.F. Clark, with A. H. Stevens, of Butte, Montana as consulting engineer. A.F. Clark has had four yrs. with the company, the last two as manager. References: Cecil Hunter president of the Security Branch Bank, 204 N. Montana St. Helena, Montana. Henry Prescottus, President of the Butte & Helena Branch Bank, Butte, Montana
A. H. Stevens has had twenty years of mining and supervising mines before graduating from the Butte School of Mines in 19[illegible]. He has been our consulting engineer since July of 1950 and will remain in our employ directing the development work.
No 7.
A. A. H. Stevens report covers this completely.
B. Have no information as to production of neighboring properties.
C. A. H. Stevens reports & maps attached.
No 8.
A. A. J. Lovell-President-12510 15th Ave. N. E. Seattle, Washington-D.
A. F. Clark-Vice President-Twin Bridges, Montana
A. Higgins, Secretary & Treasurer, 639 Ocean St. Seattle, Wash. D.
Oliver Billing-Connell, Wash., D.
A. A. Lovell. 12510 15th Ave. N.E. Seattle Wash. D.
No 11. We expect to be mining 2000 tons per month by June 1952.
No 12. A. H. Stevens report covers this information.
No 13. 8 miles of county road 4½ miles of good mining road.
No 14. Ample water for all purposes year round.
No 15. Power bought from Montana power wholesale delivered over our private line, cost about $100 pr. mo.

No 16. One supervisor, one consulting engineer, and four miners.

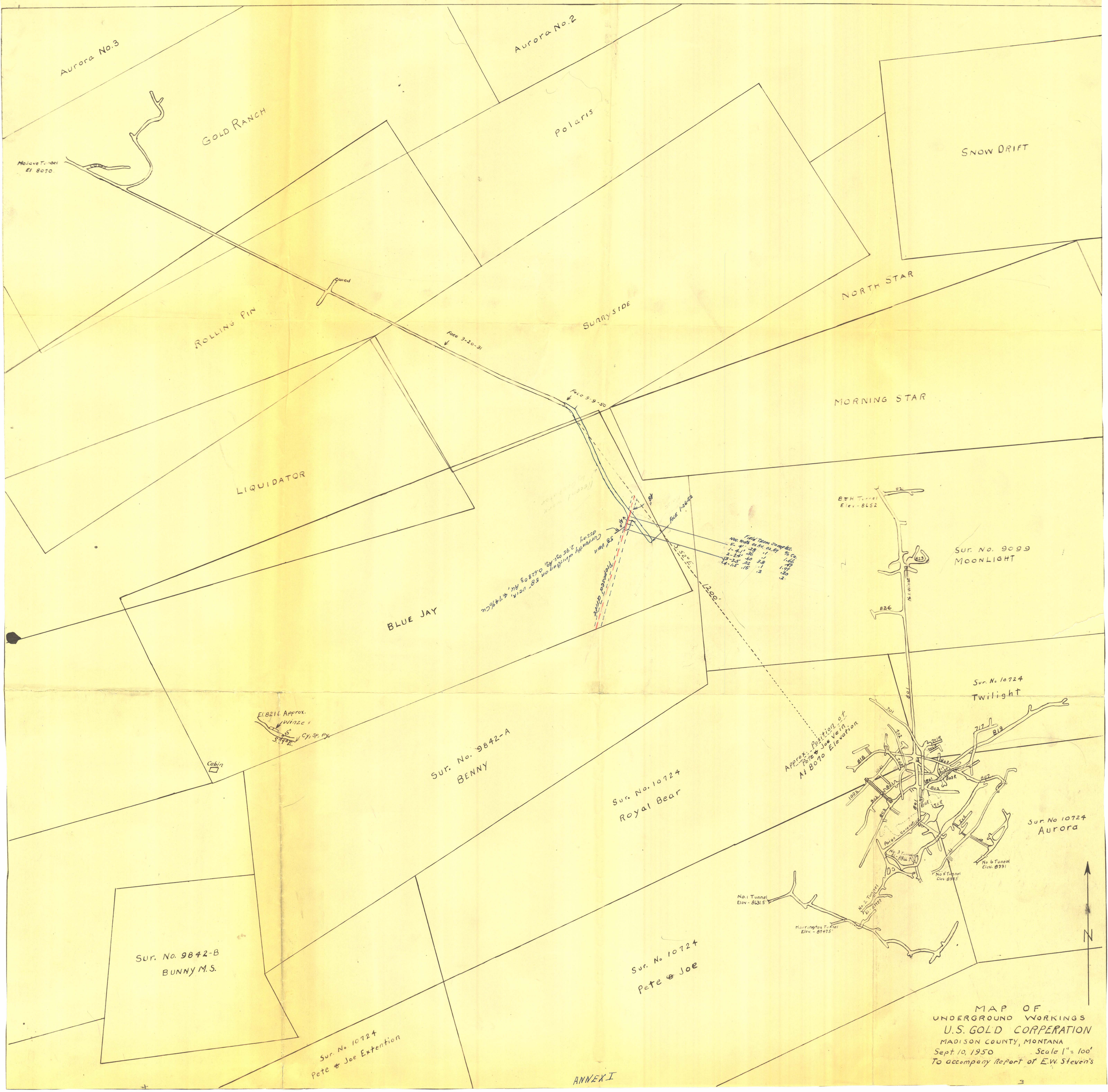
No 17. Blacksmith shop dry room, boarding house, bunk house, five cabins, large mill building, fare. One H. D. 10 A. C. dozer. Fourty-eight Chevrolet pickup, atlas battery trammer gardener denver mucking machine, atlas drifter, one jack hammer hobart portable welder. Smith cutting torch. Blacksmith shop tools, one 315 engersal rand compressor with 75 horse motor, one 315, worthington portable gas compressor.

No 18. None.

DMEA-2367
U.S. GOLD CORPORATION



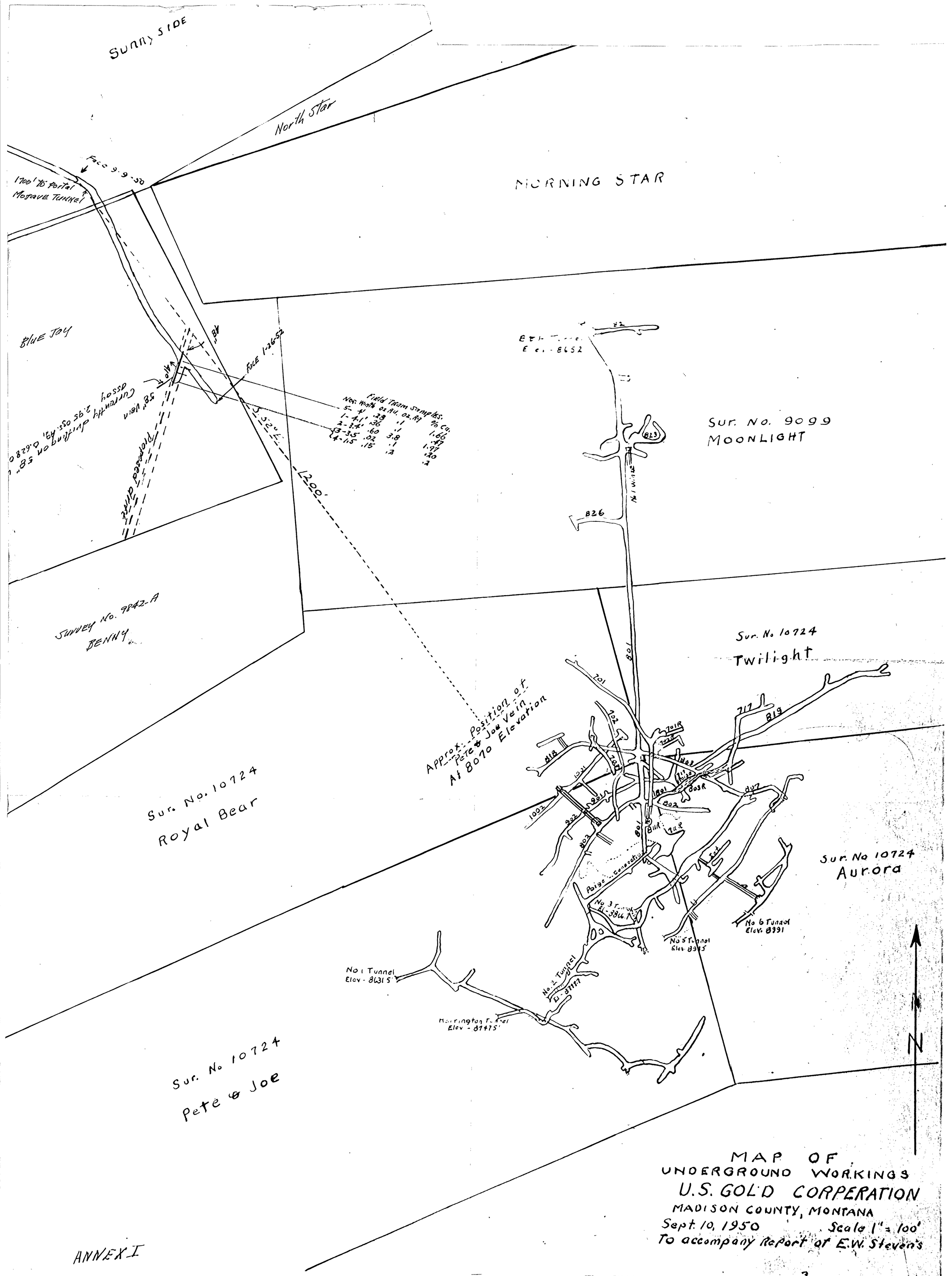
MAP OF
UNDERGROUND WORKINGS
U.S. GOLD CORPERATION
MADISON COUNTY, MONTANA
Sept. 10, 1950 Scale 1" = 100'
To accompany Report of E.W. Stevens
DMEA - 2367



MAP OF
UNDERGROUND WORKINGS
U.S. GOLD CORPORATION
MADISON COUNTY, MONTANA
Sept. 10, 1950 Scale 1" = 100'
To accompany Report of E.W. Steven's

ANNEX I

MAP OF
UNDERGROUND WORKINGS
U.S. GOLD CORPORATION
MADISON COUNTY, MONTANA
Sept 10, 1950 Scale 1" = 100'
To accompany Report of E.W. Stevens
DMEA-2367



MAP OF
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Sept. 10, 1950 Scale 1" = 100'
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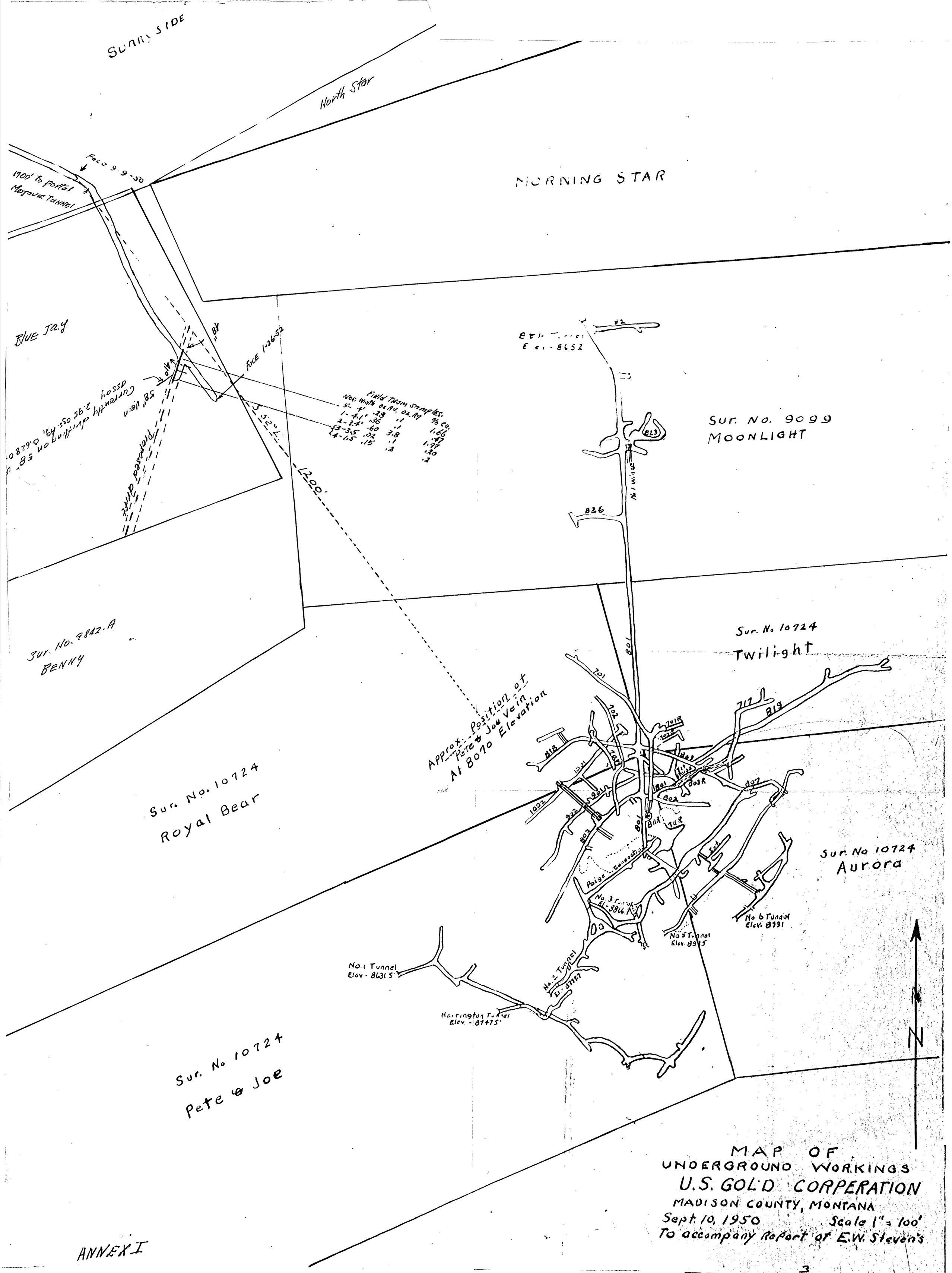
ANNEX I



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