DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 3279

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1 cy to USBM and USGS

Routing Slip

To:	400	Date	3/16/54
To:	Oper Com	Date	4-2-54
To:	Oper Com.	Date	6-23-54
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4/2/54

ROCK CREEK MINES --- Docket No. DMEA 3279-Manganese

When next we write to FT or Operator, we need an UP-TO-DATE "Owner's Consent to Lien".

Also specify Township & Range to describe the claims rather than using "Rock Creek Mines".

Per directions of G. C. Selfridge, to Mr. Martin.

4-2-54

FEB 23 1956

DMEA 3279
General

Mr. Seymour Standish
Consulting Engineer
814 Forest Avenue
Evanston, Illinois

Dear Mr. Standish:

This will acknowledge receipt of your letter of February 16, 1956, addressed to Mr. W. S. Martin, Chief of our Iron and Ferro-Alloys Division, in which you inquired about the possibility of an extension of the Government's buying program for tungsten.

To expedite attention to this inquiry, we are referring a copy of your letter to Mr. Spencer S. Shannon, Sr., Director, Office of Minerals Mobilization, Washington 25, D. C., whose agency is concerned with such programs.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Mails & Files
Docket DMEA 3279
Code 400
Adm. Read. File

FT, Region 1-NW
T. Kiilsgaard, USGS
R. W. Holliday, USBM

Note for DMEA Files:
The Iron and Ferro-Alloys Division Files show that the visit mentioned by Mr. Standish was on September 30, 1953. The property mentioned was the Rock Creek Mines' property, known previously as the Ella or MacDonald, in Section 1, T. 5 N., R. 16 W., M.P.M., Granite County, Montana. The application, submitted in the name of Rock Creek Mines, was denied June 4, 1954, and said to be "without prejudice" by letter of June 30, 1954. See also Administrator's letter of August 24, 1954, to Mr. Joseph Wojciechowski.

WSMartin/ls
2/21/56

C O P Y

SEYMOUR STANDISH
Consulting Engineer
814 Forest Avenue
Evanston, Ill.

Feb. 16, 1956

Col. Wm. S. Martin, Director
Defense Minerals Exploration Admin.,
Department of Interior
Washington 25, D. C.

Dear Col. Martin,

You may possibly recall our meeting about 2 years ago in your office, with Dr. Jay Chambers, and Col. John W. Clark (since demised) in regard to a manganese property in Montana. We did considerable core drilling out there last summer, and intend to follow it with some exploration tunneling this summer.

In addition I have secured a lease on a mill and a tungsten mine in the same neighborhood. It is some 90 miles West of the Minerals Engineering Co. tungsten mill at Glen, Montana, which I understand paid off its DMEA loan so rapidly.

We are planning to revamp the mill for tungsten dressing as soon as the weather opens up a bit out there. What we are most vitally interested in, however, is whether the government intends to make an extension of its quota for tungsten ore, as we understand the present appropriation will expire, at its present rate, about this coming September 1st, 1956. Of course, only Congress itself can provide that answer, but we would appreciate it greatly if you could tell us if an extension of the appropriation was recommended, and whether it is likely to pass.

You can readily understand that our operation would be rather limited if no extension nor appropriation were made.

Thanking you for any information you may be able to give me, and looking forward to seeing you again shortly in Washington, I beg to remain

Yours very truly,

Signed: S. Standish

SS/mc

400

NOV 10 1954

3279

Mr. Seymour Standish, Agent
Rock Creek Mines
814 Forest Avenue
Evanston, Illinois

Re: Docket No. DMEA 3279-Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

This will acknowledge your letter of November 3, 1954, stating that certain letters with regard to the above-docketed application for exploration assistance have been either misfiled or lost by you and requesting copies of the following letters:

1. DMEA letter of June 24, 1954, denying your application for exploration assistance.

2. S. Standish letter of June 25, 1954.

3. DMEA letter of June 30, 1954.

Copies of the above-mentioned letters are enclosed.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

cc: Docket
FT, Reg. 2
Code 400
Adm. Read. File
G. DeHuff, USBM
Thor Kiilsgaard, USGS

FARutledge/ls
11-9-54

400

AUG 27 1954

Mr. Joseph Wojciechowski
2721 North Lawndale Avenue
Chicago 47, Illinois

Re: Docket No. DMEA 327[illegible]-Manganese
Rock Creek Mines
Rock Creek District
Granite County, Montana

Dear Mr. Wojciechowski:

This will acknowledge your letter of August 20, 1954, inquiring about the captioned docket.

Your letter apparently crossed in the mail with our letter of August 24, replying to the same inquiries which you had directed by letter dated July 30 to the Executive Officer, DMEA Field Team, Region II, Spokane, Washington.

Our August 24 letter should have already given you the information you desired.

Sincerely yours,

C. O. Mittenderf

Administrator

cc: Docket
Admin. Read. File
Code 400
Field Team, Reg. 2
G. DeHuff, USBM
T. Killsgaard, USGS

WSMartin/ls
8-2 -54

140

Mr. Martin

400

file

AUG 24 1954

Mr. Joseph Wojcieuhowski
2721 North Lawndale Avenue
Chicago 47, Illinois

Re: Docket No. DMEA-3279 (Manganese)
Rock Creek Mines
Rock Creek District
Granite County, Montana

My dear Mr. Wojciechowski:

Your letter dated July 30, addressed to the Executive Officer, Region II, at Spokane, Washington, has been referred to us for response. Your letter indicates that you gave $2,000.00 to Mr. Seymour Standish in connection with a mining venture of Rock Creek Mines, a joint venture, Philipsburg, Montana, and inquires as to the status of an application for DMEA aid submitted by Mr. Standish.

On March 5, 1954, Mr. Seymour Standish, as agent for Rock Creek Mines, a joint venture, Philipsburg, Montana, submitted an application to this agency for assistance in exploring for manganese on land held by the applicant under a lease-purchase agreement. You are not listed as a partner in the application. The land described in the application is Section 1, Township 5, Range 16 West, Montana Principal Meridian, Granite County, Montana.

In a letter from the Administrator to Mr. Standish dated June 24, the application was denied on the ground that—

> Careful study of all our information, although noting the occurrence of manganese mineralization on your property, indicates to us that the probability of disclosing minable manganese ore reserves by your proposed program is not sufficiently promising to justify Government participation.

In a letter to the Administrator dated June 25, Mr. Standish, as agent for Rock Creek Mines, stated that further prospecting of the property was intended and that

a new application would be submitted in the event that an outcrop was located. In a letter dated June 30, the Administrator informed Mr. Standish that previous denial of the application was without prejudice to the property and that, if the proposed prospecting was performed and resulted in new geological information that is more favorable to the property, a new application which included the detailed results of the new prospecting would be considered.

The inquiry in your letter as to how to go about getting your money back or possibly obtaining a lien on the Rock Creek Mines property in Montana, is beyond the scope of our activity.

Enclosed for your information is a copy of DMEA Order-1, Amended, which explains the procedures under which this agency extends exploration aid. You will note that the Government contributes 75 percent of the costs of an approved project for manganese.

Sincerely yours,

B. O. Mittendorf

Administrator

Enclosure

HCRubin:ep 8-16-54

Copy to: Solicitor's Docket
DMEA Docket
Administrator
Admin. Reading File
Operating Committee
Field Team, Region II (2)
Mr. Martin (2)
Mr. Hofflund
Mr. Rubin
Chron.
Pending

IN REPLY REFER TO:

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

June 30, 1954

Memorandum

To: Mr. W. S. Martin, DMEA

From: E. L. Newcomb, USGS

Subject: Recommendation for denial of application

Re: DMEA-3279
Rock Creek Mines
Rock Creek District
Granite County, Montana
$125,890
Manganese

The field team concludes that the applicant's property is primarily a gold prospect. The small isolated manganese occurrences do not have any economic significance and do not justify DMEA assistance.

I concur with the field team and recommend this application be denied.

E. L. Newcomb
Geologist

Newcomb
6/22/54

JUN 30 1954

Mr. Seymour Standish, Agent
Rock Creek Mines
814 Forest Avenue
Evanston, Illinois

Re: Docket No. DMRA 3279 - Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

This will acknowledge receipt of your letter of June 25, 1954, regarding our letter of June 24 by which the subject application was denied.

We note that it is now your intention to prospect the same property more thoroughly by searching for an outcrop and cross-trenching from it. You request a letter from us that will explain under what circumstances we would have further interest in your project.

Our denial of your application was made on the basis that, although manganese mineralization occurs on your property, careful study of all information at hand indicated to us that the probability of disclosing minable manganese ore reserves by your proposed program was not sufficiently promising to justify Government participation.

Denial of your application was made without prejudice to the property. If your proposed prospecting is performed and results in new geological information that is more favorable to the property, we will consider a new application from you which includes the detailed results of such work. In the event that you submit a new application, please refer to the subject docket number.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DOCKET
ADM. READ. FILE
CODE 400
FIELD TEAM, REG. 2
G. DEHUFF, USBM
L. PAVLIDES, USGS

WSMartin/HCRubin/ls
6-29-54

C O P Y

400

ROCK CREEK MINES
Box 162
Philipsburg, Montana

June 25, 1954

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 3279

Dear Sir,

Acknowledging your letter of June 24th in regard to the above application.

We regret that we were not informed that your decisions as to eligibility of these projects were based almost entirely on "ore in place". Our application was based almost entirely on "float", which is almost universally conceded to be good evidence of a lode higher up the hill, from which it came.

It is our intention to trace the deposit up-hill by means of shallow pits, and to cross-trench thoroughly when we have thereby located the outcrop.

We would certainly appreciate a letter from you, at your earliest convenience, to the effect that you are still interested in our project, provided such outcrop discloses "minable manganese ore reserves."

Yours very truly,

Signed: S. Standish

Agent

P. S. Please continue to address me at 814 Forest Ave., Evanston, Illinois, until further notice.

Signed: S.S.

JUN 24 1954

Mr. Seymour Standish, Agent
Rock Creek Mines
814 Forest Avenue
Evanston, Illinois

Re: Docket No. DMEA 3279 - Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

Your application for aid for an exploration project and other data available to us in Washington concerning the above referenced property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting the occurrence of manganese mineralization on your property, indicates to us that the probability of disclosing minable manganese ore reserves by your proposed program is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Program and for bringing this property to our attention.

Sincerely yours,

C. O. Mittenderf

Administrator

FARutledge:foc
6-22-54
cc to: Docket
Code 400
Admr. Reading File
Operating Comm.
FT. Reg. 2
Gilbert DeHuff, USBM
Louis Pavlides, USGS

June 22, 1954

Memorandum

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $125,840.00
Docket No. DMEA 3279 - Manganese
Rock Creek Mines
Mr. Seymour Standish, Agent
Granite County, Montana

The denial of the subject application by this Division is based on the following information:

1. The Applicant proposed to explore for manganese an inactive gold property located 17 miles southeast of Philipsburg, Montana. The exploration was to be confined to a so-called gossan area and was to consist of shaft sinking and diamond drilling.

2. Several flat-lying gold-bearing beds have been exploited by the prior operators. There is a suggestion that the gold is associated with the more limonitic beds in a series of sedimentary rocks. The accessible adit generally follows a sandy limy bed. This bed is in part stained with limonite and contains a few small nodules of manganese oxide. A 2-foot sample, taken across the best manganese showing in the mine area, contained 1.65 percent manganese. Two other samples from this area and two samples from the Applicant's open A, 5.8, 4.5, 1.3, and 1.9 feet in width, contained 0.67, 0.33, 6.94, and 0.33 percent manganese, respectively.

A picked sample of the manganese oxide nodules contained 45.0 percent manganese, which is comparable to the high grade assay submitted by the Applicant.

FARutledge:foe
cc to: Docket
Code 400
Adm.R.File
Oper.Comm.

3. The examining Field Team considered the small isolated manganese showings on the property of no economic importance and recommended that the subject application be denied.

4. The Field Team concurs with the recommendation of the examining geologist.

5. The Commodity Divisions of the Geological Survey and the Bureau of Minas concur in the denial.

SIGNED

W. S. Martin, Chief
Iron and Ferro-Alloys Division

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

June 11, 1954

WSM

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 3270 (manganese)
Rock Creek Mines
Granite County, Montana

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum dated June 3, 1954, by J. F. Quinlan, U. S. Geological Survey, recommending denial of the captioned application.

The Rock Creek property is a gold prospect. The small isolated manganese oxide showings on the property are of no economic importance. Although some choice manganese oxide specimens can be obtained, the lenses in which the manganese occurs are small and extremely low grade. For these reasons Quinlan recommends that the captioned application be denied. The Field Team concurs with this recommendation.

By Field Team, Region II

A. H. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing C. Agnew, Member
U. S. Bureau of Mines

Enclosure

cc: DMM (2)
Quinlan

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

Department of the Interior
Defense Minerals Administration
RECEIVED
JUN 15 1954

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

June 3, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: J. J. Quinlan, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3279 (manganese), Field Examination, Rock Creek Mines, Granite County, Montana.

INTRODUCTION

The Rock Creek property was examined May 6, 1954, in company with Mr. Ray Kallistad, the applicant's representative.

RECOMMENDATION

It is recommended that the Rock Creek Mines' application for Government assistance to explore its Rock Creek property for manganese be denied.

LOCATION

The Rock Creek property is in the Rock Creek mining district, Granite County, Montana, approximately 14 miles southwest of Philipsburg, Montana. The property is reached by following U. S. Highway No. 10A 6½ miles south from Philipsburg to its junction with Montana State Highway No. 38, thence 13 miles west on Montana State Highway No. 38 to a point half a mile west of the junction of the East and West Forks of Rock Creek, thence 1½ miles south on a mine access road to the principal mine workings.

The property lies within an area drained by a small tributary of the West Fork of Rock Creek. The northern boundary of the property is about a quarter of a mile south of the West Fork of Rock Creek and the principal workings about 1-1/8 miles south of this stream. These workings are at an altitude of approximately 6,000 feet, which is about 650 feet above the West Fork of Rock Creek.

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

Winter weather prevails at the property between November and April. The winters are generally severe with considerable snow and periods of sub-zero temperatures. These winter weather conditions would cause some inconveniences but would not seriously hamper a well-organized mining operation.

PROPERTY AND OWNERSHIP

The property comprises all the land in sec. 1, T. 5 N., R. 16 W., M.P.M. It is owned by Gene and Mina Marker of Philipsburg, Montana, and G. S. Harrison of Anaconda, Montana. The owners of the property assigned the mineral rights to the property to S. Standish of Chicago, Illinois, under the terms of a lease and option agreement dated September 1, 1953, and supplemental agreement dated January 20, 1954. Standish in turn assigned the lease and option agreement to Rock Creek Mines, a joint venture, Philipsburg, Montana, of which he is agent. Copies of these agreements are a part of the application.

HISTORY AND PAST PRODUCTION

In the past the Rock Creek property has been known as the Ella or MacDonald property. A check of the Bureau of Mines Minerals Yearbooks on the production of gold, silver, copper, lead, and zinc in Montana for the years 1939 through 1951 shows that the property produced a small amount of gold in 1939, 1941, and 1942. It is further reported in these publications that the property was first worked in 1939 and that a 25-ton cyanide plant was built at the property in 1941 by the Normac Corporation. The mill is still on the property but is in need of repair. Tabulated below is the gold production from the Rock Creek district, as reported in the Minerals Yearbooks for the years that the Rock Creek mine is known to have operated.

Year	Mines Lode	Producing Placer	Ore sold or treated Short Tons	Gold Lode Ounces	Gold Placer Ounces	Total Ounces	Remarks
1939	4	3	1,803	1,669	23	1,692	About 1,700 tons of ore reported from Ella property.
1941	2	2	531	181	8	189	
1942	1	1	291	437	2	439	MacDonald property only lode mine operating.

MINE WORKINGS

The principal mine workings are in an area about 120 by 240 feet on a gentle hill slope (see attached map). The difference in elevation between the upper and lowermost workings is about 40 feet. It appears that one or several flat-lying, gold-bearing beds within this area have been mined from shallow shafts and adits, most of which are now caved. The only accessible working of any consequence is an adit in the southeastern part of the mine area.

GEOLOGY

The mine area (applicant's area B) is underlain by sedimentary rocks which for the most part are limey in character. A considerable portion of the rocks on the mine dump and in the caved area over the mine workings (see attached map) are stained with limonite. Although most of the workings are inaccessible, it is evident that these workings were driven to mine one or several flat-lying, gold-bearing beds. There is a suggestion that gold is associated with the more limonitic beds.

The accessible adit (see attached map) in the southeastern part of the mine area generally follows a sandy limey bed which strikes northeast and dips 5° to 10° southeast. This bed is in part stained with limonite and contains a few small nodules of manganese oxide near the portal of the adit. This was the only manganese of any consequence observed in the mine area. A 2-foot sample, taken across the best manganese showing, assayed a trace of gold and 1.65 percent manganese. Two other samples were taken across the bed in the adit (see attached map for location). One of these samples, cut across a width of 5.8 feet, assayed 0.004 ounce gold and 0.67 percent manganese; the other, cut across a width of 4.5 feet, assayed a trace gold and 0.33 percent manganese.

Although the back of the adit near the northwest corner of the mine area has fallen in, the timber along the northeast side of the adit, for a distance of 40 feet from the portal, is still intact. It appears that the area northeast of the adit has been mined. The position of the timber suggests that the mined structure had a northeast strike and a dip of about 10° northwest. As the bed in the accessible adit in the southeastern part of area B strikes northeast but dips 5° to 10° southeast, the indications are that the ore-bearing bed or beds are gently rolling in nature.

Several shallow dozer trenches, pits, and a 35-foot adit have prospected the area 300 to 700 feet southeast of the principal mine workings. This area, which is shown on the attached map, is designated as area C by the applicant.

This area is underlain by sedimentary rocks which are, for the most part, limey in character. A small lens 1.3 by 2.5 feet, containing nodules of manganese oxide, is exposed in a small pit in the bottom of dozer trench No. 1 (see attached map). This is considered to be the best manganese showing on the property and is the one from which the applicant obtained the high-grade manganese samples. A 1.3-foot sample across this small lens assayed a trace gold and 6.94 percent manganese. A picked sample of the manganese-oxide nodules assayed 45.0 percent manganese, which is comparable to the high-grade assays reported in the application.

A limey bed about 2 feet wide is exposed in the 35-foot adit about 150 feet east of dozer trench No. 1. This bed is in part stained with limonite and small amounts of manganese oxide. A 1.9-foot sample across this bed assayed 0.67 ounce gold and 0.33 percent manganese.

The applicant's area A is about 3,000 feet northeast of the mine area. This area is along a northeast-trending ridge. It is underlain by sedimentary rocks which are, for the most part, limey in character. A narrow quartz vein is poorly exposed near the crest of the ridge. Float from this vein could be traced N. 70° E. for a distance of about 125 feet. The vein itself is about 98 percent quartz and contains a few limonite-stained vugs.

On the southeast side of the ridge a few specimens of an intimate mixture of iron and manganese oxides were noted. In most instances these could be traced to small lens-like bodies within the sedimentary rocks. The best exposed lens was about 3 by 10 inches. However, one of the poorer exposed lenses appears to be about 3 to 4 by 24 inches; it was the largest lens observed. Although the lenses are poorly exposed, they appear to be elongated parallel to the bedding.

I could find nothing in this area to suggest the presence of a large gossan zone as postulated by the applicant.

CONCLUSION

The Rock Creek property is a gold prospect. Although it appears to offer some possibilities as a small gold mine, it would be necessary to undertake a small exploration and sampling program to determine its true merit as a possible future gold producer.

The small isolated manganese showings on the property are of no economic importance. Although some choice manganese oxide specimens can be obtained, the lenses in which the manganese occurs are small and extremely low grade. For these reasons it is recommended that the Rock Creek Mines' application for Government assistance to explore the Rock Creek property for manganese be denied.

Enclosure (1)
Distribution: DMEA(4); USBM (2);
USGS(SRO); Docket; Quinlan

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
No. 157 Howard Street
Spokane 4, Washington

April 12, 1954

Mr. Seymour Standish, Agent
Rock Creek Mines
814 Forest Avenue
Evanston, Illinois

Re: Docket No. DMEA 3479 (manganese)
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

This will acknowledge receipt of your letter of April 7, 1954 inquiring as to when we expect to examine the Rock Creek property with reference to your DMEA loan application. We plan to have a DMEA field examiner in the Philipsburg district either the last week of April or the first week of May. At that time he will contact your Philipsburg representative, Mr. Ray Kallestad, in order to examine the property.

As you requested, enclosed is a copy of the letter dated April 5 from the Administrator to you acknowledging receipt of your application.

Yours truly,

James J. Quinlan
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: DMEA (2) w/cy incoming
USBM (2) "
Quinlan

COPY

ROCK CREEK MINES
(A Joint Venture)
Box 162
Philipsburg, Montana
Apr. 7, 1954

Mr. A. R. Weisenborn,
Executive Officer, DMEA,
South 157 Howard St.,
Spokane, Washington.

Dear Sir:

In reference to our application for assistance on mining project near Philipsburg, Montana early last month, can you now advise about when your field examiner will make his inspection of the property?

I regret that your letter acknowledging receipt of application, and assigning a serial number to the project has been temporarily misplaced. Will you please mail me a copy.

Yours very truly,

/s/ S. Standish

P. S. Please address reply to me at 814 Forest Ave.,
Evanston, Illinois

/s/ S. S.

400

APR 5 1954

Mr. A. E. Weissenborn, Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 327y-Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Weissenborn:

Receipt is acknowledged of copies of the above-docketed application for exploration assistance.

We note that you believe on the basis of the application that the applicant's property certainly warrants examination and that you have instructed the field examiners to examine the property as soon as possible. It has been suggested to us that this application is at least to some extent a prospecting program. As you are aware, prospecting is not allowable under the DMEA program. We will, therefore, hold the application in abeyance until we receive the Field Team's report.

A memorandum of March 19, 1954, by Mr. Louis Pavlides, U. S. Geological Survey, is enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosure

APPROVED:

J. H. Hedges
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey

cc: DOCKET
FT, REG. II
CODE 400
OPER. COMM.
ADM. READ. FILE
GILBERT DE HUFF, USBM
LOUIS PAVLIDES, USGS

JHopkins/ls 3/31/54

APR 5 1954

Mr. Seymour Standish, Agent
Rock Creek Mines
P. O. Box 162
Philipsburg, Montana

Re: Docket No. DMEA 3279 - Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

Your application for assistance in exploring a manganese occurrence at your Rock Creek Mines in Granite County, Montana, has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration, and has been referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington, for further consideration and a field examination.

At the time a field examination is made of the property, any assistance that you can render the examining engineers will be appreciated.

Sincerely yours,

C. O. Mittenderf

Administrator

CC: DOCKET
CODE 400
FIELD TEAM, REG. II
ADM. READ. FILE
GILBERT DE HUFF, USBM
LOUIS PAVLIDES, USGS

JHopkins/ls
3/29/54

IN REPLY REFER TO:

G-MD-CNF

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

March 19, 1954

Memorandum

To: Mr. W. S. Martin, DMEA

From: Louis Pavlides, USGS

Subject: DMEA-3279, Manganese, Rock Creek Mines, Granite County, Montana.

This application is primarily designed to explore and develop a gold prospect, using 2 manganese analyses of 42.52 and 44.22 percent Mn as the excuse for a loan in the amount of $125,840. This one can, and should be stopped in the office without involving a Field Team examination.

Specifically, the two analyzed samples appear to have been collected from "float" from the same place, in the same trench at 2 different times and my guess is that they represent analyses of hand picked "mineral specimen" type material rather than true representative samples. I would venture that the manganese assays of 1.34 to 2.68 percent Mn of samples 21 and 22 are of equal validity in appraising the grade of this deposit.

Without discussing the application in detail, it is clear that the applicant, despite the imposing list of civil engineering accomplishments he has submitted, has a naive understanding of mining and geology. Likewise he appears to be misinformed on the exploration assistance program, believing that the Government will do drilling, "absolutely free of charge." The proposed extensive program includes and confuses development and exploration and is completely out of line with the potential of the deposit.

There is nothing in the Survey files on this property, but the information furnished by the applicant does not indicate significant manganese mineralization as being present to warrant any exploration loan.

Louis Pavlides
Geologist

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

402

March 11, 1954

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

3279

Re: Application for exploration loan (Manganese)
Rock Creek Mines
Granite County, Montana

Dear Mr. Selfridge:

Enclosed are three copies of a DMEA application submitted by Rock Creek Mines, Philipsburg, Montana. Six copies of the application were received but three copies are being held at this office. In the event a contract is approved, all required data such as Lease Agreements, Consent to Lien Agreements, etc., will be taken from the copies we are holding and forwarded to Washington.

A letter from the applicant dated March 5, 1954, advises that the Lease and Option, Assignment of the Lease, and Extension of Time for the lease have been filed in the Granite County Recorder's Office, in Book 11, commencing on page 155.

The applicant proposes to explore a former gold mine for manganese. He reports that considerable manganese float is present on the property and presents a number of assays as confirmation. The application is very thoroughly prepared, although there is question as to the justification of some of the estimated costs and also as to the feasibility of some of the proposed exploration work. These questions could, no doubt, be settled with the applicant should a contract be approved.

On the basis of the application it would seem that the applicant's property certainly warrants examination and quite possibly further exploration. Our field examiners will therefore be instructed to examine the property as soon as possible. In the meantime, we would appreciate comments from the Operating Committee advising of those parts of the application that should receive detailed consideration.

Sincerely yours,

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

Copy retained 400

Enclosure
cc: USGS (2)

DOCKET
Surname:
Martin

FEB 23 1956

3279

Mr. Seymour Standish
Consulting Engineer
814 Forest Avenue
Evanston, Illinois

Dear Mr. Standish:

This will acknowledge receipt of your letter of February 16, 1956, addressed to Mr. W. S. Martin, Chief of our Iron and Ferro-Alloys Division, in which you inquired about the possibility of an extension of the Government's buying program for tungsten.

To expedite attention to this inquiry, we are referring a copy of your letter to Mr. Spencer S. Shannon, Sr., Director, Office of Minerals Mobilization, Washington 25, D. C., whose agency is concerned with such programs.

Sincerely yours,

O. Kittendorf

Administrator

cc: Mails & Files
Docket DMEA 3279
Code 400
Adm. Read. File
~~Oper. Comm.~~
FT, Region I-NW
T. Kiilsgaard, USGS
R. W. Holliday, USBM

Note for DMEA Files:
The Iron and Ferro-Alloys Division files show that the visit mentioned by Mr. Standish was on September 30, 1953. The property mentioned was the Rock Creek Mines' property, known previously as the Ella or MacDonald, in Section 1, T. 5 N., R. 16 W., M.P.M., Granite County, Montana. The application, submitted in the name of Rock Creek Mines, was denied June24, 1954, and said to be "without prejudice" by letter of June 30, 1954. See also Administrator's letter of August 24, 1954, to Mr. Joseph Wojciechowski.

WSMartin/ls
2/21/56

DOCKET
Surname:
Rutledge
Martin

NOV 1 0 1954

Mr. Seymour Standish, Agent
Rock Creek Mines
814 Forest Avenue
Evanston, Illinois

Re: Docket No. DMEA 3279-Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

This will acknowledge your letter of November 3, 1954, stating that certain letters with regard to the above-docketed application for exploration assistance have been either misfiled or lost by you and requesting copies of the following letters:

1. DMEA letter of June 24, 1954, denying your application for exploration assistance.

2. S. Standish letter of June 25, 1954.

3. DMEA letter of June 30, 1954.

Copies of the above-mentioned letters are enclosed.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

cc: Docket
FT, Reg. 2
Code 400
Adm. Read. File
G. DeHuff, USBM
Thor Kiilsgaard, USGS

FARutledge/ls
11-9-54

R.C.H.

DAVIS 8-3288

Mr. Martin: I suggest we change this promotor for photostatic copies -- this is 2d time he has lost letters & asked replacement -- see letter to F.T. L.S.

SEYMOUR STANDISH
CONSULTING ENGINEER
814 FOREST AVENUE
EVANSTON, ILL.

Nov. 3, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 5 - 1954

Docket No. DMEA-3279

Mr. C. O. Mittendorf, Administrator,
Defense Minerals Exploration Administration,
Department Of The Interior,
Washington 25, D.C.

WSM

Dear Sir,

Referring to the above Docket No., I regret to state that some-how certain letters between us have been either mis-filed or lost. I would like very much to complete my file, and am asking if you would be so kind as to refer this letter to your secretary with instructions to make copies of the following letters:

1. Letter from you to me as agent for Rock Creek Mines, giving your decision not to render assistance to our application dated Jan. 11, 1954, because of insufficient showings; this letter was dated late in June, 1954, as it was received by me on June 27, 1954,

2. A letter from me to you answering the above, and stating that we intended tracing the float up-hill and cross trenching the vein at the outcrop. I also asked the question that if this was done, if we would then be eligible for assistance. This letter was mailed you early in July, 1954.

3. Your subsequent reply to the above in which you stated that if we did as stated, and and disclosed mineable ore in place, that you would be glad to give the application re-consideration, and also that there was no prejudice involved in the denial of assistance under the original application.

I would appreciate it very much if letters No. 1 and No. 3 were duplicated on your letterheads, and signed by you.

Thanking you for any assistance you may give us in the above matter I am

Yours very truly,

Rock Creek Mines, A Joint Venture,
By S. Standish Agent.

P.S. Please address me at the above Evanston address.

400

Docket
Martin

AUG 27 1954

Mr. Joseph Wojciechowski
2721 North Lawndale Avenue
Chicago 47, Illinois

Re: Docket No. DMEA 3279-Manganese
Rock Creek Mines
Rock Creek District
Granite County, Montana

Dear Mr. Wojciechowski:

This will acknowledge your letter of August 20, 1954, inquiring about the captioned docket.

Your letter apparently crossed in the mail with our letter of August 24, replying to the same inquiries which you had directed by letter dated July 30 to the Executive Officer, DMEA Field Team, Region II, Spokane, Washington.

Our August 24 letter should have already given you the information you desired.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

cc: Docket
Admin. Read. File
Code 400
Field Team, Reg. 2
G. DeHuff, USBM
T. Kiilsgaard, USGS

WSMartin/ls
8-2 -54

R.C.G.

DMEA
File Copy
Surname
Boston
Martin

140

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

Mr. Joseph Wojciechowski
2721 North Lawndale Avenue
Chicago 47, Illinois

Re: Docket No. DMEA-3279 (Manganese)
Rock Creek Mines
Rock Creek District
Granite County, Montana

My dear Mr. Wojciechowski:

Your letter dated July 30, addressed to the Executive Officer, Region II, at Spokane, Washington, has been referred to us for response. Your letter indicates that you "gave $2,000.00 to Mr. Seymour Standish" in connection with a mining venture of Rock Creek Mines, a joint venture, Philipsburg, Montana, and inquires as to the status of an application for DMEA aid submitted by Mr. Standish.

FROM SOLICITOR
AUG 29 1954
FOR SIGNATURE

On March 5, 1954, Mr. Seymour Standish, as agent for Rock Creek Mines, a joint venture, Philipsburg, Montana, submitted an application to this agency for assistance in exploring for manganese on land held by the applicant under a lease-purchase agreement. You are not listed as a partner in the application. The land described in the application is Section 1, Township 5, Range 16 West, Montana Principal Meridian, Granite County, Montana.

In a letter from the Administrator to Mr. Standish dated June 24, the application was denied on the ground that—

> "Careful study of all our information, although noting the occurrence of manganese mineralization on your property, indicates to us that the probability of disclosing minable manganese ore reserves by your proposed program is not sufficiently promising to justify Government participation."

In a letter to the Administrator dated June 25, Mr. Standish, as agent for Rock Creek Mines, stated that further prospecting of the property was intended and that

a new application would be submitted in the event that an outcrop was located. In a letter dated June 30, the Administrator informed Mr. Standish that previous denial of the application was without prejudice to the property and that, if the proposed prospecting was performed and resulted in new geological information that is more favorable to the property, a new application which included the detailed results of the new prospecting would be considered.

The inquiry in your letter as to how to go about getting your money back or possibly obtaining a lien on the Rock Creek Mines property in Montana, is beyond the scope of our activity.

Enclosed for your information is a copy of DMEA Order-1, Amended, which explains the procedures under which this agency extends exploration aid. You will note that the Government contributes 75 percent of the costs of an approved project for manganese.

Sincerely yours,

C. O. Mittenderf

Administrator

Enclosure

HCRubin:ep 8-16-54

Copy to: Solicitor's Docket
DMEA Docket
Administrator
Admin. Reading File
Operating Committee
Field Team, Region II (2)
Mr. Martin (2)
Mr. Hofflund
Mr. Rubin
Chron.
Pending

Chicago 47,Illinois
August 20,1954

Docket R

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

DMEA-3279

WSM

Gentlemen:

I believe my letter of July 30,which was mailed to Spokane,Washington is in Your Office.

May I have Your advise,what to do.

Why was this application denied.How can I protect my money now?

I thank You.

Very truly yours,

Joseph Wojciechowski
2721 N.Lawndale ave.
Chicago 47,Illinois

dmea 3279
was denied
June 24

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

AUG 3 - 1954

August 3, 1954

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Selfridge:

I am enclosing herewith a letter from Mr. Joseph Wojciechowski inquiring about the application of Mr. Seymour Standish, Docket DMEA 3279, with a copy of my letter to him. I think that Mr. Wojciechowski is probably entitled to a fuller answer than I feel I am authorized to give.

Sincerely yours,

A. E. Weissenborn

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

Enclosures - 400
cc: USBM(2)

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

August 5, 1954

Mr. Joseph Wojciechowski
2721 N. Lawndale Avenue
Chicago 47, Illinois

Dear Mr. Wojciechowski:

In reply to your letter of July 30, please be advised that Mr. Seymour Standish did make an application for a DMEA exploration contract, and that this application has been denied.

I am referring your letter to our Washington office for such further reply as they may care to give.

Sincerely yours,

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

cc: DMEA(2)
USBM(2)

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

August 3, 1954

INTERIOR DEPT.
AUG 6 - 1954
SOLICITOR

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Dear Mr. Selfridge:

I am enclosing herewith a letter from Mr. Joseph Wojciechowski inquiring about the application of Mr. Seymour Standish, Docket DMEA 3279, with a copy of my letter to him. I think that Mr. Wojciechowski is probably entitled to a fuller answer than I feel I am authorized to give.

Sincerely yours,

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

Enclosures
cc: USBM(2)

U.S. Bureau of Mines
Box 492
Albany, Oregon

Executive Officer DMEA,
South 157 Howard St.
Spokane 4, Wash.

Chicago 47, Ill..
July 30, 1954

Gentlemen:

I gave $.2,000.00 to Mr. Seymour Standish, 814 Forest ave. Evanston, Ill. c/o Rock Creek Mines (a Joint Venture) Philipsburg, Montana.

Mr. Standish in January 1954 said he will get a DMEA loan by April 1, and the mine will be in full operation by May 1, 1954.

Nothing that I know is acomplished by him.

Did he really file the application for the DMEA loan?

May I have Your opinion about his place?

Why did he did not receive the DMEA loan?

Also please advice what shell I do to secure my money?

May I put a lien on his lease here in Chicago or I have to go to the State of Montana to do this?

Expecting an answer soon- I thank You.

Very truly yours,

Joseph Wojciechowski

Joseph Wojciechowski
2721 N. Lawndale ave.
Chicago 47, Illinois

RECEIVED
AUG 2 1954
U. S. G. S.
SPOKANE, WASH.

by/lew

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
No. 157 Howard Street
Spokane 4, Washington

August 3, 1954

Mr. Joseph Wojciechowski
2721 N. Lowndale Avenue
Chicago 47, Illinois

Dear Mr. Wojciechowski:

In reply to your letter of July 30, please be advised that Mr. Seymour Strnlish did make an application for a DMEA exploration contract, and that this application has been denied.

I am referring your letter to our Washington office for such further reply as they may care to give.

Sincerely yours,

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

cc: DMEA(2)
USGS(2)

IN REPLY REFER TO:

Docket

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

June 30, 1954

Memorandum

Re: IMEA-3279
Rock Creek Mines
Rock Creek District
Granite County, Montana
$125,890
Manganese

To: Mr. W. S. Martin, IMEA

From: E. L. Newcomb, USGS

Subject: Recommendation for denial of application

The field team concludes that the applicant's property is primarily a gold prospect. The small isolated manganese occurrences do not have any economic significance and do not justify IMEA assistance.

I concur with the field team and recommend this application be denied.

E. L. Newcomb
E. L. Newcomb
Geologist

IN REPLY REFER TO:

Docket

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

June 30, 1954

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E. L. Newcomb
Geologist

IN REPLY REFER TO:

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

June 30, 1954

Memorandum

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Rock Creek District
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E. L. Newcomb
Geologist

DOCKET
Surname:
Martin
Rubin

400

JUN 30 1954

Mr. Seymour Standish, Agent
Rock Creek Mines
814 Forest Avenue
Evanston, Illinois

Re: Docket No. DMEA 3279 - Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

This will acknowledge receipt of your letter of June 25, 1954, regarding our letter of June 24 by which the subject application was denied.

We note that it is now your intention to prospect the same property more thoroughly by searching for an outcrop and cross-trenching from it. You request a letter from us that will explain under what circumstances we would have further interest in your project.

Our denial of your application was made on the basis that, although manganese mineralization occurs on your property, careful study of all information at hand indicated to us that the probability of disclosing minable manganese ore reserves by your proposed program was not sufficiently promising to justify Government participation.

Denial of your application was made without prejudice to the property. If your proposed prospecting is performed and results in new geological information that is more favorable to the property, we will consider a new application from you which includes the detailed results of such work. In the event that you submit a new application, please refer to the subject docket number.

Sincerely yours,

C. O. Mittendorf (fw)
Administrator

cc: DOCKET
ADM. READ. FILE
CODE 400
FIELD TEAM, REG. 2
G. DEHUFF, USBM
L. PAVLIDES, USGS

WSMartin/HCRubin/ls
6-29-54

R.C.H.

S. STANDISH
AGENT

ROCK CREEK MINES
(A JOINT VENTURE)
BOX 162
PHILIPSBURG, MONTANA

June 25,1954

Mr.C.O.Mittendorf,Administrator,
Defense Minerals Exploration Administration,
Department Of The Interior,
Washington 25,D.C.

WSM

Re Docket No.DMEA 3279

Dear Sir,

Acknowledging your letter of June 24th in regard to the above application.

We regret that we were not informed that your decisions as to eligibility of these projects were based almost entirely on "ore in place".Our application was based almost entirely on"float",which is almost universally conceded to be good evidence of a lode higher up the hill, from which it came.

It is our intention to trace the deposit up-hill by means of shallow pits,and to cross-trench thorougly when we have thereby located the outcrop.

We would certainly appreciate a letter from you, at your earlies convenience, to the effect that you are still interested in our project,provided such outcrop discloses "minable manganese ore reserves."

Yours very truly,

S. Standish
Agent

P.S.Please continue to address me at 814 Forest Ave.,Evanston Illiois,until further notice.

85

made

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

W. P. MARSHALL, PRESIDENT

(26)

1954 JUN 24 PM 12 29

SYMBOLS

DL = Day Letter

NL = Night Letter

LT = Int'l Letter Telegram

VLT = Int'l Victory Ltr.

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

WP020 PD=CHICAGO ILL 24 1056AMC:

=DR JAY L CHAMBERS=

CARE DMEA=DEPT OF INTERIOR=

Defense Minerals Administration
Washington

JUN 24 1954

PLEASE HAVE COMMITTEE DECISION ON ROCK CREEK MINES DOCKET 3279 MAILED ME DIRECTLY AT 814 FOREST AVE EVANSTON ILLINOIS=

S STANDISH AGENT=

Denial mailed to above address 6/24/54 J.A.R.

3279 814=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

400

Docket
Surname

Rutledge
Martin
DeHuff
Newcomb
(for Pavlides)
Lazarev
Hedges
Selfridge
Johnson

JUN 24 1954

Mr. Seymour Standish, Agent
Rock Creek Mines
814 Forest Avenue
Evanston, Illinois

Re: Docket No. DMEA 3279 - Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

Your application for aid for an exploration project and other data available to us in Washington concerning the above referenced property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting the occurrence of manganese mineralization on your property, indicates to us that the probability of disclosing minable manganese ore reserves by your proposed program is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Program and for bringing this property to our attention.

Sincerely yours,

C. O. Mittenderf (fw)

Administrator

FARutledge:foc
6-22-54
cc to: Docket
Code 400
Admr. Reading File
Operating Comm.
FT. Reg. 2
Gilbert DeHuff, USBM
Louis Pavlides, USGS

R.C.G.

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

June 22, 1954

Memorandum

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $125,840.00
Docket No. DMEA 3279 - Manganese
Rock Creek Mines
Mr. Seymour Standish, Agent
Granite County, Montana

The denial of the subject application by this Division is based on the following information:

1. The Applicant proposed to explore for manganese an inactive gold property located 17 miles southwest of Philipsburg, Montana. The exploration was to be confined to a so-called gossan area and was to consist of shaft sinking and diamond drilling.

2. Several flat-lying gold-bearing beds have been exploited by the prior operators. There is a suggestion that the gold is associated with the more limonitic beds in a series of sedimentary rocks. The accessible adit generally follows a sandy limy bed. This bed is in part stained with limonite and contains a few small nodules of manganese oxide. A 2-foot sample, taken across the best manganese showing in the mine area, contained 1.65 percent manganese. Two other samples from this area and two samples from the Applicant's area A, 5.8, 4.5, 1.3, and 1.9 feet in width, contained 0.67, 0.33, 6.94, and 0.33 percent manganese, respectively.

A picked sample of the manganese oxide nodules contained 45.0 percent manganese, which is comparable to the high grade assay submitted by the Applicant.

3. The examining Field Team considered the small isolated manganese showings on the property of no economic importance and recommended that the subject application be denied.

4. The Field Team concurs with the recommendation of the examining geologist.

5. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the denial.

W S Martin
W. S. Martin, Chief
Iron and Ferro-Alloys Division

400

Surname
Docket
Rutledge
Martin
Dettoff

June 22, 1954

Memorandum

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $125,840.00
Docket No. DMEA 3279 - Manganese
Rock Creek Mines
Mr. Seymour Standish, Agent
Granite County, Montana

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2. Several flat-lying gold-bearing beds have been exploited by the prior operators. There is a suggestion that the gold is associated with the more limonitic beds in a series of sedimentary rocks. The accessible adit generally follows a sandy limy bed. This bed is in part stained with limonite and contains a few small nodules of manganese oxide. A 2-foot sample, taken across the best manganese showing in the mine area, contained 1.65 percent manganese. Two other samples from this area and two samples from the Applicant's area A, 5.8, 4.5, 1.3, and 1.9 feet in width, contained 0.67, 0.33, 6.94, and 0.33 percent manganese, respectively.

A picked sample of the manganese oxide nodules contained 45.0 percent manganese, which is comparable to the high grade assay submitted by the Applicant.

FARutledge:foc
cc to: Docket
Code 400
Adm.R.File
Oper.Comm.

3. The examining Field Team considered the small isolated manganese showings on the property of no economic importance and recommended that the subject application be denied.

4. The Field Team concurs with the recommendation of the examining geologist.

5. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the denial.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

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

June 11, 1954

WSM

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 3279 (manganese)
Rock Creek Mines
Granite County, Montana

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum dated June 3, 1954, by J. J. Quinlan, U. S. Geological Survey, recommending denial of the captioned application.

The Rock Creek property is a gold prospect. The small isolated manganese oxide showings on the property are of no economic importance. Although some choice manganese oxide specimens can be obtained, the lenses in which the manganese occurs are small and extremely low grade. For these reasons Quinlan recommends that the captioned application be denied. The Field Team concurs with this recommendation.

By Field Team, Region II

A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew
Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosure

cc: USBM (2)
Quinlan

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

D Mea

Department of the Interior
Defense Minerals Administration
RECEIVED
JUN 1 5 1954

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

June 3, 1954

6/23/54

MEMORANDUM

To: DMEA Field Team, Region II

From: J. J. Quinlan, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3279 (manganese), Field Examination, Rock Creek Mines, Granite County, Montana.

INTRODUCTION

The Rock Creek property was examined May 6, 1954, in company with Mr. Ray Kallistad, the applicant's representative.

RECOMMENDATION

It is recommended that the Rock Creek Mines' application for Government assistance to explore its Rock Creek property for manganese be denied.

LOCATION

The Rock Creek property is in the Rock Creek mining district, Granite County, Montana, approximately 14 miles southwest of Philipsburg, Montana. The property is reached by following U. S. Highway No. 10A 6½ miles south from Philipsburg to its junction with Montana State Highway No. 38, thence 13 miles west on Montana State Highway No. 38 to a point half a mile west of the junction of the East and West Forks of Rock Creek, thence 1½ miles south on a mine access road to the principal mine workings.

The property lies within an area drained by a small tributary of the West Fork of Rock Creek. The northern boundary of the property is about a quarter of a mile south of the West Fork of Rock Creek and the principal workings about 1-1/8 miles south of this stream. These workings are at an altitude of approximately 6,000 feet, which is about 650 feet above the West Fork of Rock Creek.

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

Winter weather prevails at the property between November and April. The winters are generally severe with considerable snow and periods of sub-zero temperatures. These winter weather conditions would cause some inconveniences but would not seriously hamper a well-organized mining operation.

PROPERTY AND OWNERSHIP

The property comprises all the land in sec. 1, T. 5 N., R. 16 W., M.P.M. It is owned by Gene and Mina Marker of Philipsburg, Montana, and G. S. Harrison of Anaconda, Montana. The owners of the property assigned the mineral rights to the property to S. Standish of Chicago, Illinois, under the terms of a lease and option agreement dated September 1, 1953, and supplemental agreement dated January 20, 1954. Standish in turn assigned the lease and option agreement to Rock Creek Mines, a joint venture, Philipsburg, Montana, of which he is agent. Copies of these agreements are a part of the application.

HISTORY AND PAST PRODUCTION

In the past the Rock Creek property has been known as the Ella or MacDonald property. A check of the Bureau of Mines Minerals Yearbooks on the production of gold, silver, copper, lead, and zinc in Montana for the years 1939 through 1951 shows that the property produced a small amount of gold in 1939, 1941, and 1942. It is further reported in these publications that the property was first worked in 1939 and that a 25-ton cyanide plant was built at the property in 1941 by the Normac Corporation. The mill is still on the property but is in need of repair. Tabulated below is the gold production from the Rock Creek district, as reported in the Minerals Yearbooks for the years that the Rock Creek mine is known to have operated.

Year	Mines Lode	Producing Placer	Ore sold or treated Short Tons	Gold Lode Ounces	Gold Placer Ounces	Total Ounces	Remarks
1939	4	3	1,803	1,669	23	1,692	About 1,700 tons of ore reported from Ella property.
1941	2	2	531	181	8	189	
1942	1	1	291	437	2	439	MacDonald property only lode mine operating.

MINE WORKINGS

The principal mine workings are in an area about 120 by 240 feet on a gentle hill slope (see attached map). The difference in elevation between the upper and lowermost workings is about 40 feet. It appears that one or several flat-lying, gold-bearing beds within this area have been mined from shallow shafts and adits, most of which are now caved. The only accessible working of any consequence is an adit in the southeastern part of the mine area.

GEOLOGY

The mine area (applicant's area B) is underlain by sedimentary rocks which for the most part are limey in character. A considerable portion of the rocks on the mine dump and in the caved area over the mine workings (see attached map) are stained with limonite. Although most of the workings are inaccessible, it is evident that these workings were driven to mine one or several flat-lying, gold-bearing beds. There is a suggestion that gold is associated with the more limonitic beds.

The accessible adit (see attached map) in the southeastern part of the mine area generally follows a sandy limey bed which strikes northeast and dips 5° to 10° southeast. This bed is in part stained with limonite and contains a few small nodules of manganese oxide near the portal of the adit. This was the only manganese of any consequence observed in the mine area. A 2-foot sample, taken across the best manganese showing, assayed a trace of gold and 1.65 percent manganese. Two other samples were taken across the bed in the adit (see attached map for location). One of these samples, cut across a width of 5.8 feet, assayed 0.004 ounce gold and 0.67 percent manganese; the other, cut across a width of 4.5 feet, assayed a trace gold and 0.33 percent manganese.

Although the back of the adit near the northwest corner of the mine area has fallen in, the timber along the northeast side of the adit, for a distance of 40 feet from the portal, is still intact. It appears that the area northeast of the adit has been mined. The position of the timber suggests that the mined structure had a northeast strike and a dip of about 10° northwest. As the bed in the accessible adit in the southeastern part of area B strikes northeast but dips 5° to 10° southeast, the indications are that the ore-bearing bed or beds are gently rolling in nature.

Several shallow dozer trenches, pits, and a 35-foot adit have prospected the area 300 to 700 feet southeast of the principal mine workings. This area, which is shown on the attached map, is designated as area C by the applicant.

This area is underlain by sedimentary rocks which are, for the most part, limey in character. A small lens 1.3 by 2.5 feet, containing nodules of manganese oxide, is exposed in a small pit in the bottom of dozer trench No. 1 (see attached map). This is considered to be the best manganese showing on the property and is the one from which the applicant obtained the high-grade manganese samples. A 1.3-foot sample across this small lens assayed a trace gold and 6.94 percent manganese. A picked sample of the manganese-oxide nodules assayed 45.0 percent manganese, which is comparable to the high-grade assays reported in the application.

A limey bed about 2 feet wide is exposed in the 35-foot adit about 150 feet east of dozer trench No. 1. This bed is in part stained with limonite and small amounts of manganese oxide. A 1.9-foot sample across this bed assayed 0.67 ounce gold and 0.33 percent manganese.

The applicant's area A is about 3,000 feet northeast of the mine area. This area is along a northeast-trending ridge. It is underlain by sedimentary rocks which are, for the most part, limey in character. A narrow quartz vein is poorly exposed near the crest of the ridge. Float from this vein could be traced N. 70° E. for a distance of about 125 feet. The vein itself is about 98 percent quartz and contains a few limonite-stained vugs.

On the southeast side of the ridge a few specimens of an intimate mixture of iron and manganese oxides were noted. In most instances these could be traced to small lens-like bodies within the sedimentary rocks. The best exposed lens was about 3 by 10 inches. However, one of the poorer exposed lenses appears to be about 3 to 4 by 24 inches; it was the largest lens observed. Although the lenses are poorly exposed, they appear to be elongated parallel to the bedding.

I could find nothing in this area to suggest the presence of a large gossan zone as postulated by the applicant.

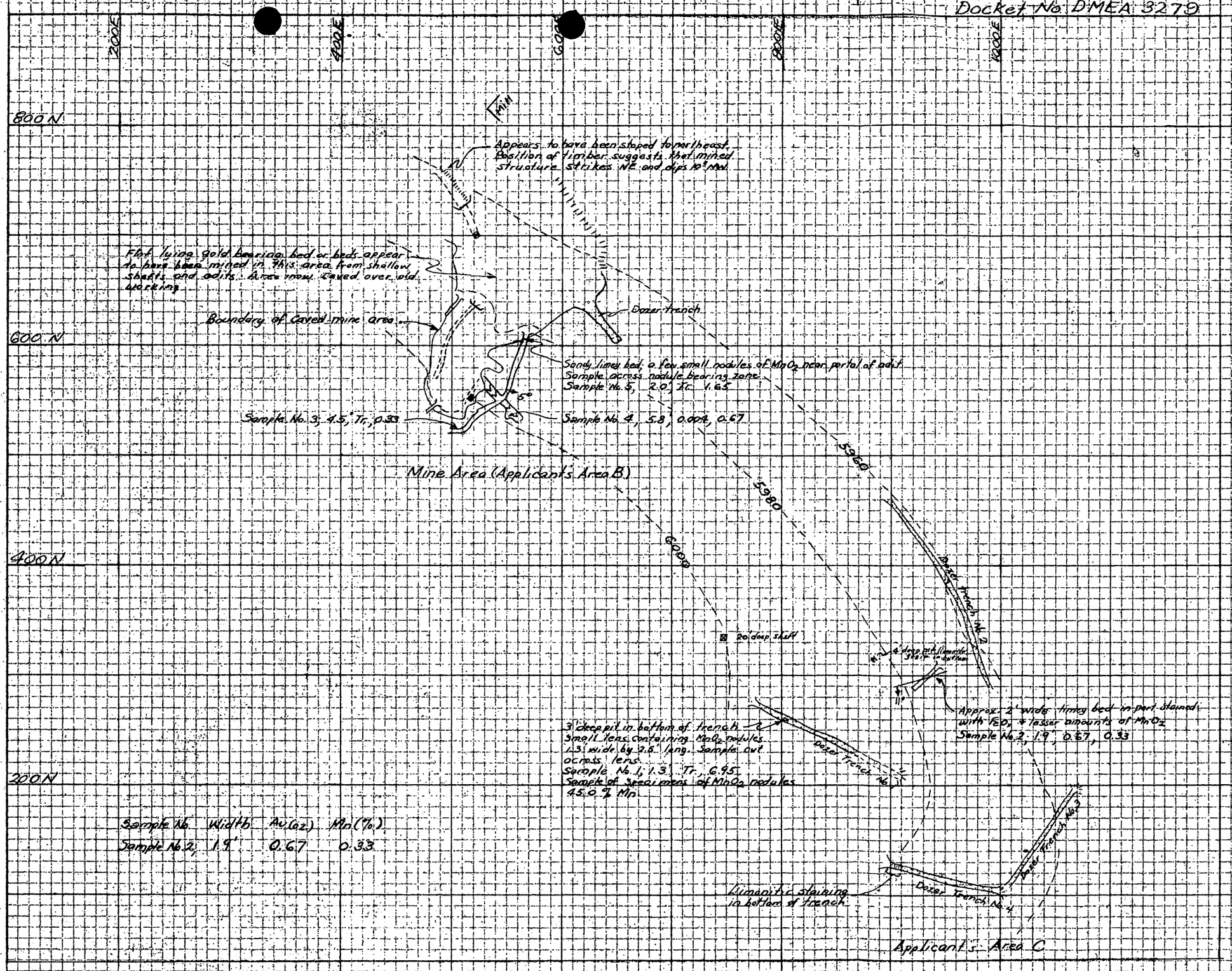
CONCLUSION

The Rock Creek property is a gold prospect. Although it appears to offer some possibilities as a small gold mine, it would be necessary to undertake a small exploration and sampling program to determine its true merit as a possible future gold producer.

The small isolated manganese showings on the property are of no economic importance. Although some choice manganese oxide specimens can be obtained, the lenses in which the manganese occurs are small and extremely low grade. For these reasons it is recommended that the Rock Creek Mines' application for Government assistance to explore the Rock Creek property for manganese be denied.

Enclosure (1)
Distribution: DMEA(4); USBM (2);
USGS(SRO); Docket; Quinlan

Docket No. DMEA 3279



Sample No	Width	Au(oz)	Mn(%)
Sample No 2,	1.9'	0.67	0.33

SKETCH MAP IN VICINITY OF MINE AREA

ROCK CREEK PROPERTY, GRANITE COUNTY, MONT.

1" = 100'

Datum assumed

May 1954

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
No. 157 Howard Street
Spokane 4, Washington

April 12, 1954

W 509

Mr. Seymour Standish, Agent
Rock Creek Mines
814 Forest Avenue
Evanston, Illinois

Re: Docket No. DMEA 3279 (manganese)
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

This will acknowledge receipt of your letter of April 7, 1954 inquiring as to when we expect to examine the Rock Creek property with reference to your DMEA loan application. We plan to have a DMEA field examiner in the Philipsburg district either the last week of April or the first week of May. At that time he will contact your Philipsburg representative, Mr. Ray Hallestad, in order to examine the property.

As you requested, enclosed is a copy of the letter dated April 5 from the Administrator to you acknowledging receipt of your application.

Yours truly,

James J. Quinlan
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: DMEA (2) w/cy incoming
USBM (2) "
Quinlan

Prospecting?

COPY

ROCK CREEK MINES
(A Joint Venture)
Box 162
Philipsburg, Montana
Apr. 7, 1954

Mr. A. R. Weisenborn,
Executive Officer, DMEA,
South 157 Howard St.,
Spokane, Washington.

Dear Sir:

In reference to our application for assistance on mining project near Philipsburg, Montana early last month, can you now advise about when your field examiner will make his inspection of the property?

I regret that your letter acknowledging receipt of application, and assigning a serial number to the project has been temporarily misplaced. Will you please mail me a copy.

Yours very truly,

/s/ S. Standish

P. S. Please address reply to me at 814 Forest Ave.,
Evanston, Illinois

/s/ S. S.

400

Hopkins
Martin
Deff
Selfridge
Kjelmann

APR 5 1954

Mr. A. E. Weissenborn, Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 327--Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Weissenborn:

Receipt is acknowledged of copies of the above-docketed application for exploration assistance.

We note that you believe on the basis of the application that the applicant's property certainly warrants examination and that you have instructed the field examiners to examine the property as soon as possible. It has been suggested to us that this application is at least to some extent a prospecting program. As you are aware, prospecting is not allowable under the DMEA program. We will, therefore, hold the application in abeyance until we receive the Field Team's report.

A memorandum of March 19, 1954, by Mr. Louis Pavlides, U. S. Geological Survey, is enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (245)

Enclosure

APPROVED:

J. H. Hedges
Member, Bureau of Mines (245)

D. M. Larrabee
Member, Geological Survey (245)

cc: DOCKET
FT, REG. II
CODE 400
OPER. COMM.
ADM. READ. FILE
GILBERT DE HUFF, USBM
LOUIS PAVLIDES, USGS

JHopkins/ls 3/31/54

R.C.S.

00

Hopkins
Martin
DeHuff
Jayrack
Hedges
Selfridge
Fe Johnson

APR 5 1954

Mr. Seymour Standish, Agent
Rock Creek Mines
P. O. Box 162
Philipsburg, Montana

Re: Docket No. DMEA 3279 - Manganese
Rock Creek Mines
Granite County, Montana

Dear Mr. Standish:

Your application for assistance in exploring a manganese occurrence at your Rock Creek Mines in Granite County, Montana, has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration, and has been referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington, for further consideration and a field examination.

At the time a field examination is made of the property, any assistance that you can render the examining engineers will be appreciated.

Sincerely yours,

G. O. Mittendorf (for)
Administrator

CC: DOCKET
CODE 400
FIELD TEAM, REG. II
ADM. READ. FILE
GILBERT DE HUFF, USBM
LOUIS PAVLIDES, USGS

JHopkins/ls
3/29/54

R.C.S.

IN REPLY REFER TO:

G-MD-CNF

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

March 19, 1954

Memorandum

To: Mr. W. S. Martin, DMEA

From: Louis Pavlides, USGS

Subject: DMEA-3279, Manganese, Rock Creek Mines, Granite County, Montana.

WSM

This application is primarily designed to explore and develop a gold prospect, using 2 manganese analyses of 42.52 and 44.22 percent Mn as the excuse for a loan in the amount of $125,840. This one can, and should be stopped in the office without involving a Field Team examination.

Specifically, the two analyzed samples appear to have been collected from "float" from the same place, in the same trench at 2 different times and my guess is that they represent analyses of hand picked "mineral specimen" type material rather than true representative samples. I would venture that the manganese assays of 1.34 to 2.68 percent Mn of samples 21 and 22 are of equal validity in appraising the grade of this deposit.

Without discussing the application in detail, it is clear that the applicant, despite the imposing list of civil engineering accomplishments he has submitted, has a naive understanding of mining and geology. Likewise he appears to be misinformed on the exploration assistance program, believing that the Government will do drilling, "absolutely free of charge." The proposed extensive program includes and confuses development and exploration and is completely out of line with the potential of the deposit.

There is nothing in the Survey files on this property, but the information furnished by the applicant does not indicate significant manganese mineralization as being present to warrant any exploration loan.

Louis Pavlides

Louis Pavlides
Geologist

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

March 16, 1954
Subject: DMEA-3279
Re: Exploration Assistance
Rock Creek Mines

Rock Creek Mines
P. O. Box 162
Philipsburg, Montana

Dear Sirs:

The receipt of your application dated January 11, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3279 and referred to the Iron and Ferro Alloys Division.

Kindly refer to DMEA-3279 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operation's Control
and Statistics Division

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

March 16, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region II.

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region II.

DMEA - 3279 Rock Creek Mines

ROBERT E. ADAMS
Robert E. Adams,
Chief, Operation's Control
and Statistics Division

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

March 11, 1954

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Application for exploration loan (Manganese)
Rock Creek Mines
Granite County, Montana

Dear Mr. Selfridge:

Enclosed are three copies of a DMEA application submitted by Rock Creek Mines, Philipsburg, Montana. Six copies of the application were received but three copies are being held at this office. In the event a contract is approved, all required data such as Lease Agreements, Consent to Lien Agreements, etc., will be taken from the copies we are holding and forwarded to Washington.

A letter from the applicant dated March 5, 1954, advises that the Lease and Option, Assignment of the Lease, and Extension of Time for the lease have been filed in the Granite County Recorder's Office, in Book 11, commencing on page 155.

The applicant proposes to explore a former gold mine for manganese. He reports that considerable manganese float is present on the property and presents a number of assays as confirmation. The application is very thoroughly prepared, although there is question as to the justification of some of the estimated costs and also as to the feasibility of some of the proposed exploration work. These questions could, no doubt, be settled with the applicant should a contract be approved.

On the basis of the application it would seem that the applicant's property certainly warrants examination and quite possibly further exploration. Our field examiners will therefore be instructed to examine the property as soon as possible. In the meantime, we would appreciate comments from the Operating Committee advising of those parts of the application that should receive detailed consideration.

Sincerely yours,

Thor H. Kiilsgaard

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

Copy retained 400

Enclosure
cc: USBM (2)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3279
Metal or Mineral Manganese
Date Received
Estimated Cost $125,840
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: ROCK CREEK MINES
(A Joint Venture)
P.O.Box 162
Philipsburg,Montana.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Section 1,Twp.5,Range 16-W,Montana Principal Meridian.
All of the mineral rights of whatever nature in the whole of Section 1.

(*b*) State any mine name by which the property is known. Rock Creek Mines

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee under lease-purchase contract(copy attached)

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Manganese.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 18 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes.

(*b*) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated Philipsburg, Montana, Jan. 11, 1954

ROCK CREEK MINES (A Joint Venture)
(Applicant)

By [signature]
Agent

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—66551-1

S. STANDISH
AGENT

ROCK CREEK MINES

(A JOINT VENTURE)
BOX 162
PHILIPSBURG, MONTANA

Sheets to accompany Application for Aid in an Exploration Project; DMEA Order No.1.

Sheet 1.

1(d). Partners:- S. Standish, 814 Forest Ave, Evanston, Illinois.
E.O. Griffenhagen, 333 N. Michigan Ave., Chicago, Ill.
John W. Atkinson, Palatine, Ill.
T.M. Chwedyk, 3753 W. 56th St., Chicago, Ill.
Jos. Chwedyk, 2740 W. Augusta Blvd. " "
John Cichon, 2134 W. Walton St., " "
John Kopacz, 2644 W. Thomas St., " "

3(d). Copy of lease-purchase attached hereto.

4(a). The SW¼ of the SW¼ of Section 1 was worked for gold production from 1939 to 1941, when it closed down by the government under the Non-Essential Industries Act. Workings consisted of 5 tunnels, as follows:-

Upper Tunnel	4x7 x	120	Ft.
Ollie Tunnel	" "	100	"
E. Drift "	" "	60	"
W. Drift "	" "	40	"
Far East "	" "	50	"

A 40-Ton capacity cyanide mill was installed at that time consisting of the following equipment:-

1-Atlas Imperial Diesel Engine, 90 HP.
1-G.E.- AC Generator, 280 Amps., 900 RPM.
1-Classifier with hopper.
1-40 ton ball mill.
1-Universal Crusher, 12" jaw.
1-Diesel oil tank, 1200 Gal.
1-Typhoon Pump.
4-Cyanide Tanks, 8'x 20'x 10', with agitators.
2-Cyanide Settling Tanks, 6'x20'x 10'.
1-Receiving Tank, 8'x8'x10'.
1-Water Tank, 8'x16'x10'.
Together with all Mill Buildings, wiring, switches, controls, power shafts, conveyors, etc. etc. All of the above equipment, buildings, etc. are a part of the lease-purchase contract (See attached contract).

The mill and all of the above workings are accessible to State Route No.38, by private road

S. STANDISH
AGENT

ROCK CREEK MINES
(A JOINT VENTURE)
BOX 162
PHILIPSBURG, MONTANA

Sheets to accompany Application for Aid in an Exploration Project; DMEA Order No. 1.

Sheet 2.

4(b). Past production is estimated between $100,000. and $200,000. in gold. The few figures available on smelter returns from complex ore indicate about $75,000.; on amalgam nothing is available from the U.S. Mint. Manganese was never mined; any such ore was rejected from all ores destined for the mill. No figures are avail- on ore reserves. (See attached report).

4(c). An anticline, striking approximately N-30-E, and extending from a point near the SW corner of Section 1, to a point near the NE corner gives all of the indications of a gossan (or "iron-hat"), deposit. Float, thus far investigated, shows several classes and grades of Manganese ores at three locations, shown on the preliminary "Layout Map" in the accompanying report, as areas "A, B, and C". The country rock is limestone, and the deposit is apparently a large intrusive mass that has had a secondary enrichment from leaching of the ores above, with a re-deposition below. (see Report)

4(d). The property is easily available from Philipsburg, Montana, over well paved roads, a distance of about 17 miles, with a private road on the property. (See report and maps).

4(e). Manpower of exceptionally good grade is available locally, and also from adjacent areas, as are materials, supplies and equipment. Water is available from Rock Creek, and also from wells on the property. REA power line is available at the junction of our private road with State Route 38, about a mile distant from Area "A" on Layout Map in report. Also available from 90 HP generator at mill.

5(b). Proposed exploration work is as follows (areas and locations are as shown on preliminary "Layout Map", and Section A-A, Plate No. 1, in report):

Area A. As this area looks most promising for early operation, possibly open-pit, it is recommended be started here first. Two horizontal holes of about 500 ft. should be driven at approximately right angles to the strike of the outcrop (as indicated on Section A-A), and spaced some 200 ft. apart. A third spaced between the first two, should be driven at a dip of 45 degrees, approximately 700 ft. in length. These three cores will determine the dip, strike, thickness, and content of the ore outcropping at this location (see also Addenda II in report). Vertical drilling at the outcrop will then establish the values and depth of the ore, after passing the "iron-hat", as well as the thickness of the latter; estimate is 2,000 ft. of vertical drilling.

S. STANDISH
AGENT

ROCK CREEK MINES
(A JOINT VENTURE)
BOX 162
PHILIPSBURG, MONTANA

Sheets to accompany Application for Aid in an Exploration Project; DMEA Order No. 1.

Sheet 3.

5(b) Cont.

Area C. It is recommended that a series of exploratory shafts, 4'x4', be sunk at 50 ft. intervals along lines at right angles to the ridge, or anticlinal axis, such lines to be about 250 ft. apart. They should start at the South Trench, where the high-grade float was discovered, and proceed up-hill in order to locate the lead from which this float originated. Once the lead is located, core drilling will determine depth, dip, strike, and values. It is estimated that work in this area will require 200 ft. of exploratory 4'x4' shafts, 500 ft. of vertical and 1,000 ft. of horizontal core drilling.

Area B. Both horizontal and vertical core drilling is recommended in this area, depending on the results of work in Areas A and C. This drilling will serve as a check on the location and values in the lode, at an intermediate point. If the horizontal drilling indicates workable ore, it should be followed by a series of vertical holes, as in A and C. Requirements in such case would be 1,000 ft of horizontal, and 500 ft. of vertical. Summarizing the above, we would have the following quantities:---

Type	Area A	Area B	Area C	Total
Vertical Holes Lin.Ft.	2,000	500	500	3,000
Horizontal Holes Lin.Ft.	2,000	1,000	1,000	4,000
Total 1-5/8" Lin.Ft.	4,000	1,500	1,500	7,000
Exploratory 4'x4' shafts; Lin.Ft.			200	200
Exploratory 5'x7' Tunnel Lin.Ft.	600			600
Exploratory 5'x5' Shafts Lin.Ft.	200		200	400

5(d). This work to be done under the direction and supervision of S. Standish (Experience Brief attached). He will be assisted by Ray Kallestad, an experienced mining man of many years standing.

S. STANDISH
AGENT

ROCK CREEK MINES
(A JOINT VENTURE)
BOX 162
PHILIPSBURG, MONTANA

Sheets to accompany Application for Aid in an Exploration Project: DMEA Order No. 1

Sheet 4.

6(a). Independent contracts

Core Drilling	7,000 '	@ $3.50	$24,500.00	
Move drill-rig in and out		(lump)	1,300.00	
			$25,800.00	$25,800.00

6(b). Labor, supervision, consultants.

Class	Rate	Conditions
Miners	$14.70/day	Time & one-half over 40 hr.
Trammers	14.70/ "	do
Drillers	14.70/ "	do
Mechanics	14.70/ "	do
Truck drivers	14.70/ "	do
Common labor	14.20/ "	do
Carpenters	14.70/ "	6 day week, and time and one-half over 48 hours.
Foremen	$15.00/ " to 15.75/ "	Time & one-half over 40 hr. do
Core-splitter	$350.00/mo.	Full time
Engineers	$250.00/ " to 400.00/ "	do do
Consultants and Geologists	$100.00/day to 200.00/ "	Full time plus travel & field expense.
General Field Overhead.		
Gen.Supt.	$1,000.00/mo.	Full time, plus trav.&fld.exp.
Gen.Foreman	650.00/ "	Full time.
Clerical	400.00/ "	do
Legal	100.00/ "	(varies)
	$2,150.00	

ESTIMATED LABOR AND SUPERVISION COST

Items	Tot.	Units per day	Days rqd.	Men	Cost	Amt.
5x7 tunnel	600'	4'	150	3	$44.10	$6,615.00
5x5 shaft	400'	2'	200	3	44.10	8,820.00
4x4 shaft	200'	3'	67	2	29.40	5,880.00
Core Spltg	7,000'	50'	6	(mo.)1	350.00	2,100.00
Machinist			140	1	14.70	2,298.00
Truck Drvr.			140	1	14.70	2,298.00
				Subhead Fwd.		$28,011.00
					Total Fwd.	$25,800.00

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ROCK CREEK MINES
(A JOINT VENTURE)
BOX 162
PHILIPSBURG, MONTANA

Sheets to accompany Application for Aid in an Exploration Project: DMEA Order No. 1

Sheet 5.

6(b) cont.

		Brt.Fwd.	$25,800.00
	Subhead-Brt.Fwd.	$28,011.00	
1 Water Supply Line(Labor)	1,000 ft.@ 2.17	2,170.00	
Install materials,etc. in Existing Bldgs.(labor)	Lump sum	500.00	
1 Core storage and Mtrls Bldg.	" " "	600.00	
1 Compressor Bldg.	" " "	200.00	
1 Powder house	" " "	200.00	
1 Blacksmith shop	" " "	300.00	
General Field Overhead	7 Mo. @2,150.00	15,050.00	
		$47,031.00	47,031.00

6(c). Operating Materials & Supplies

No.2 Shovels-short handle	24	@ $3.50	84.00	
No.2 " -long "	12	3.50	42.00	
Miners picks	12	3.50	42.00	
8# Mauls	6	3.00	18.00	
12# "	6	4.00	24.00	
Shovel,Maul,Pick Handles	72	1.00	72.00	
Wheelbarrows	4	20.00	80.00	
Hand-winches,rope,bucket	3	35.00	105.00	
Hip-Boots-rubber,Pr.	6	10.00	60.00	
Anvil	1	50.00	50.00	
Vise	1	40.00	40.00	
Core Boxes	280	4.50	1,260.00	
Jack-bit Grinder	1	50.00	50.00	
Nails,12 kegs various sizes	12	7.00	84.00	
			$2,011.00	2,011.00

Powder, Caps, Fuse.

Powder	5x7 tunnel	(Stk)22,050	@ 5.15¢	$1,135.60	
"	5x5 shaft	" 19,600	5.15¢	1,009.40	
Caps	5x7 tunnel	3,150	2.30¢	724.50	
"	5x5 shaft	2,800	2.30¢	644.00	
Fuse	5x7 tunnel	43,155'	1.37¢	591.22	
	5x5 shaft	42,000'	1.37¢	575.40	
				$4,680.00	4,680.00

Drill Steel,Jack-bits,Hose.

Drill steel	200'	2.00	$ 400.00	
Tungsten-carbide Bits	40	14.00	560.00	
Pressure hose 1"ø	100'	2.00	200.00	
" " 1/2"ø	50'	1.50	75.00	
			$1,235.00	1,235.00
		Total Fwd.		$80,757.00

S. STANDISH
AGENT

ROCK CREEK MINES

(A JOINT VENTURE)
BOX 162
PHILIPSBURG, MONTANA

Sheets to accompany Application for Aid in an Exploration Project: DMEA Order No. 1.

Sheet 6.

6(c).cont.					Brt.Fwd.	$80,757.00
Tunnel Timber	600'	@ 45' BM	27.MBM @	60.00	$1,620.00	
Shaft "	400'	@ 55' "	22. "	60.00	1,320.00	
					$2,940.00	2,940.00
Water & Air Lines (Tunnels & Shafts only)						
	1,200'	1"ø Water Line	@	0.35		
	1,200'	2"ø Air Line	@	0.50		
		Valves & Fittings		0.25		
			1,200' @	$1.10	$1,320.00	1,320.00
Tram Tracks						
5x7 Tunnel - 16# rail						
600' Tunnel						
200' Dump						
800' Total	Rail		800' @	$0.77	$ 616.00	
	Ties		800' @	0.24	192.00	
	Spikes		800' @	0.05	40.00	
					$ 848.00	848.00
Power, Water, Fuel						
Power Supply			210 days @	$15.00	$3,150.00	
Gasoline			210 "	2.50	525.00	
Diesel Oil (Heaters)			210 "	2.50	525.00	
					$4,100.00	4,100.00
6(d).Operating Equipment						
Purchase						
1 Deep well pump (electric) Byron Jackson "Subbette"			@		$1,600.00	
1 set Engrg. Instruments Transit,Level,Rods,Tapes			@		1,000.00	
1 Jack-leg Drifter			@		660.00	
1 Jack Hammer			@		600.00	
4 Dump Cars			@	$100.00	400.00	
Rent						
1 Elect.Air Compressor, 7 mo.			@	450.00	3,150.00	
					$4,260.00	4,260.00
6(e).Rehabilitation & Repairs.						
Grading & Gravelling						
Private Road	3,000 Sq.Yd.		@	$0.75	2,250.00	
Refurnishing cabins						
Oil & Water Tanks						
Beds,cots,heaters,						
Tables,Chairs,Etc.				Lump sum	2,480.00	
					$4,730.00	4,730.00
					Total Fwd.	$98,955.00

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(A JOINT VENTURE)
BOX 162
PHILIPSBURG, MONTANA

Sheets to accompany Application for Aid in an Exploration Project: DMEA Order No. 1

Sheet 7.

6(f). New Buildings, Improvements, Installations			Brt. Fwd. $98,955.00
Materials			
1 Core storage & Materials Bldg.	Lump sum	$600.00	
1 Compressor House	" "	200.00	
1 Powder House	" "	200.00	
1 Blacksmith Shop	" "	300.00	
1 Electric Power Line, lamps and switches		2,000.00	
1 Water line from well			
1,000' 2"ø @ $0.50			
Valves 0.10			
@ 0.60		600.00	
		$3,900.00	3,900.00
6(g). Miscl. Expenses			
Workmens Compensation & Liability Insurance			
$47,031.00 at 13% (aver)		$6,114.03	
Social Security	2%	940.62	
		$7,054.65	7,045.00
Analytical			
Assaying Samples 2,000	@ $0.50	$1,000.00	
Engineers, 2@ 2 mo. 4 Mo.	@ 350.00	1,400.00	
" 1@ 2 mo. 2 Mo.	@ 300.00	600.00	
Accounting (Part Time) 7 Mo.	@ 100.00	700.00	
Geologists & Consultants (Incl. Fld.Exp.)	@ 800.00	800.00	
		$4,500.00	4,500.00
			$114,400.00
For Contingencies Add 10%			11,440.00
	Total Estimated Cost		$125,840.00

LEASE AND OPTION

This Agreement made and entered into this 1st day of September 1953, by and between Gene Marker and Nina Marker, husband and wife, of Philipsburg, Granite County, Montana, and Goldie Sanders Harrison, of Anaconda, Montana, parties of the first part, and Seymour Standish, of 814 Forest Avenue, Evanston, Illinois, party of the second part, WITNESSETH:-

That the said parties of the first part, for and in consideration of the rents reserved and the covenants and agreements hereinafter contained, to be kept, paid and performed by the second party, have leased, demised and let unto the second party, and his heirs and assigns, all of the right, title and interest of the said parties of the first part in and to the following described mining property, situate, lying and being in the County of Granite, State of Montana, and more particularly described as follows:-

All of the mineral rights of whatsoever nature in the while of Section One (1) Township Five (5) North of Range Sixteen (16) west, Montana Principal Meridian.

Together with all and singular the tenements, hereditaments, and appurtenances thereunto belonging or in any wise appertaining, and including the free use of any and all housing and living facilities thereon during the life of this lease.

To have and to hold all of the same unto the said lessee for the term of ten (10) years from the date hereof, expiring on the 31st day of August, 1963, unless sooner forfeited or determined.

And in consideration of the said lease, the said lessee does covenant and agree with the lessors as follows; towit;

To enter upon the said premises and to prospect, mine and work the same, in a manner necessary to good and economical mining, so as to take out the greatest amount of ore possible, with due regard to the safety, development and preservation of the said premises and workable mining property; it being understood and agreed by and between the parties hereto that the work of developing the said property into a mining operation shall be in two stages, the major prospecting stage to be carried on through a trenching and a diamond drilling program, and any mining operations to follow are to be conducted in a good and workable manner employing processes best suited to the working of the property as a mine, it being understood and agreed that no placer mining operation employing the forces of hydraulic mining such as to destroy the grazing value of the surface rights to the said section one (1) shall be employed.

To prospect and mine the said premises as aforesaid steadily and continuously from the date of this lease, employing at least fifty man-shifts in each month during the several month or months of prospecting stage of the operation, and employing a minimum of 100 man-shifts of labor per month on the said properties in each and every month during the mining stage of the operations contemplated by this agreement.

On notification by parties of first part of any failure to employ the minimum man-shifts in any one month, party of second part shall have the right to employ sufficient additional man-shifts in the next succeeding month to bring the two months average up to minimum requirements for said two months; provided that such adjustment shall be made within the space of two successive months following each such failure. It is also agreed that man-shifts by sub-lessees shall be counted in meeting minimum requirements.

Party of the second part agrees to salvage and pile all timber where the removal of the same is necessary to the performance of a prospecting and mining operating according to the terms hereof.

Party of the second part agrees to well and sufficiently timber all mine workings developed by him at all points where proper, wherever timbering may become necessary in the pursuit of the applications of good and workmenlike mining practices; to at all times carry workmen's compensation under the appropriate plan or plans prescribed by the Working Man's Compensation Act, of the State of Montana, and not to permit any labor or materialmen's liens to become an incumberance on the said mining property, provided that party of the second part may satisfy any such lien or defend against any unjust lien as full satisfaction of this provision.

The part of the second part further agrees to carry fire insurance on the mill buildings and machinery now located on the property in the amount of Fifteen Thousand Dollars ($15,000.00).

Party of the second part agrees to occupy and hold all cross and parallel loads, dips, spurs, feeders, crevices, or mineral deposits of any kind which may be discovered in working under this lease, or in any tunnel run to intersect the load or loads discovered in the processes of prospecting, or known to exist on the said premises, by the said lessee or his successors or assigns, or any person or persons under him, in any manner, at any point within 300 feet of the center line of any such load, as the property of the said lessors, with privilege to the said lessee, his successors or assigns of working the same as an appurtenance of said demised premises, during the term of this lease, and not to locate or record the same or allow the same to be located or recorded except in the name of the said lessors.

Party of the second part agrees to keep at all times, the drift, shaft, tunnels, and other passages and workings of said demised premises thoroughly drained and free and clear of loose rock, rubbish, and debris of any kind, excepting in cases where such tunnels, shafts and other workings are abandoned because of lack of sufficient pay ore therein.

Party of the second part agrees to keep books of account showing the amount of ores extracted and the amount of free gold and any other free or unattached values extracted from the said property, the amount of ore shipped, sold and treated, and the amount of money received from the sale of said ores or the values extracted therefrom; also that book accounts will be kept of all transactions concerning sale of gold to the mints or elsewhere, and that from and out of the values thus obtained from the ores so extracted or free gold and other values thus extracted, and which may be found in, upon, or around the said mine and reduced, treated, sold, or shipped, the said lessee, party of the second part herein, will pay to the said lessors Fifteen percent (15%) of the net proceeds thereof, payments shall be made on or before the 15th day of each and every month for the ore extracted and milled during the preceeding month and shall be considered as part payment on the purchase price as hereinafter provided in the event said second parties or their assigns avail themselves of the option to purchase herein given, otherwise to property of the lessors as rental for the use and occupation of the premises, and to deliver to the said lessors at the end of the term Fifteen percent (15%) of all ores extracted from the said mine and which have not been shipped, sold treated or reduced, and also Fifteen Percent (15%) of all free gold and other free values on hand and which have not been sold or disposed of as above set forth; that a duplicate of all mill, smelter, retort, mint or other returns shall be furnished by the mill owners or by the owners of the smelter or retort, to the said lessor; and the said books of accounts shall be open, at all reasonable times to the said lessors and to their representatives.

It is covenanted and agreed by and between the parties hereto that all machinery, tools and equipment placed upon said property by the party of the second part, and not permanently affixed thereto, may be removed from the said premises by him at any time within thirty (30) days from and after the termination of this lease, either by forfeiture or otherwise, and upon failure of the said second part to so remove the said machinery, tools, and equipment within the time aforesaid, the same shall be and become the property of the said first parties, and the second party as their interests in the said mining property above

described shall then appear; provided, however, that all buildings and improvements permanently affixed to the herein demised property shall become a part of the realty and, upon the termination of this lease, shall not be removed from the herein demised premises, but shall be and become the property of the parties hereto as their interests in the herein demised mining property shall appear.

For and in consideration of the sum of One Dollar ($1.00), lawful MONEY of the United States, and other good and valuable considerations to the said parties of the first part in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, the parties of the first part do hereby give and grant unto the said party of the second part, the sole and exclusive option and privilege of purchasing all of the right, title, and interest of the parties of the first part in and to the property hereinabove described for the sum of Ninety Thousand Dollars ($90,000), lawful money of the United States of America, payable at Flint Creek Valley Bank, Philipsburg, Montana to the credit of the said parties of the first part, at any time during the term hereof, providing the said foregoing and within option has not been terminated under the provisions thereof. It is covenanted and agreed that any and all royalties paid by the party of the second part under the terms hereof, shall be credited upon the said purchase price hereinabove specified and set forth.

In the event that the party of the second part shall fail to pay the said purchase price above mentioned in full, within the time specified, then this option to purchase, together with the lease herein contained, shall, without notice, cease, terminate and end, and be of no further force or effect.

Within ten days after execution of this agreement, a good and sufficient deed of conveyance by parties of the first part to parties of the second part, conveying all of the said real property and mineral rights thereto, hereinabove described, together with all water and water rights, ditches and ditch rights, and tenements, hereditaments, and appurtenances thereunto belonging, or in anywise appurtaining, shall be made and executed and placed in escrow with the Flint Creek Valley Bank, Philipsburg, Montana, hereinafter referred to as the escrow depositary, which deed shall be kept by the escrow depositary, and delivered over to parties of the second part, their heirs or assigns, upon payment in full of said purchase price as above provided for, otherwise upon any termination or abandonment hereof, to be returned to parties of the first part.

It is further understood and agreed by and between the parties hereto that there is at the date hereof, located upon the said property a quartz mill and milling machinery and equipment of the agreed value of Ten Thousand Dollars ($10,000) all of the same being the property of the parties of the first part; it being further understood and agreed that if the party of the second part will on or before the 15th day of the month following the date of the execution of this agreement pay to the parties of the first part the sum of One Thousand Dollars ($1000), and the further sum of One Thousand Dollars ($1000) on or before the fifteenth day of each and every consecutive calendar month thereafter until the total sum of Ten Thousand Dollars ($10,000) is fully paid by the party of the second part to the parties of the first part representing the full value of the mill and equipment as above agreed by and between the parties hereto, that the parties of the first part will within ten days after payment of the first $1000 of the purchase price of said quartz mill, make and execute a good and sufficient bill of sale and conveyance to all of said mining and milling machinery and equipment, free and clear of all liens and incumbrances, to parties of the second part, and deposit said conveyance with above named escrow depositary, with instructions to deliver said bill of sale to parties of the second part, their heirs or assigns, on completion of above said monthly payments totalling $10,000, as above provided, but otherwise upon any failure to complete said payments, to be returned to parties of the first part. Full and complete list of all such milling and mining equipment shall be made and approved by both parties hereto and attached to said bill of sale or conveyance and made a part thereof. It is provided, however, that any default in the keeping of the schedule of the payments in each consecutive month as above set forth, shall work a forfeiture of the right of the party of the second part to a conveyance of the said mill and machinery, and all payments theretofor prior to said forfeiture made by the party of the second part to the parties of the first part, shall be applied and

considered as rent and as liquidated damages for the use and occupancy of the said mill, machinery and equipment.

It is further understood and agreed by and between the parties hereto, that the parties of the first part shall, before taking default under any of the terms of this agreement, first serve notice thereof by registered U.S. Mail, upon parties of the second part, and thereafter, the parties of the second part shall have a period of thirty (30) days from and after the giving and service of this notice, to perform and thereby cure the said default.

It is further understood and agreed by and between the parties hereto, that there shall not be any stock piling of mined ores at any time during the term of this lease and agreement, and that there shall be no storing of free gold, but that the current production of all of the same shall, by the parties of the second part, be shipped and transported to smelters, retorts and mints for treatment, all returns therefrom to be made to Flint Creek Valley Bank, the escrow holder herein named, for distribution to the parties of the first part immediately as their interests shall appear; that is to say, fifty per cent (50%) thereof to Goldie Sanders Harrison, Twenty five per cent (25%) thereof to Gene Marker and twenty five per cent (25%) thereof to Mina Marker, parties of the first part herein, provided also, that if at any time, a private milling operation of ores from the property is carried on by the lessees, or if any private operation for the recovery from the premises herein demised, of free gold shall be prosecuted, that the parties of the first part may, at their own cost and expense, and they are hereby given the privilege by the parties of the second part, of employing a representative to be present at all times on any and all such operations, and that such representative may observe the processes and results and returns, and take an account of the same of and from all such operations.

The escrow holder will upon receipt of monies from the smelter distribute the same to the three lessors herein named as their interest may appear.

This Agreement shall be assignable by second parties and shall inure to the benefit of and be binding upon the parties hereto, their heirs, executors, administrators and assigns, respectively. Said second parties will give first party 15 days notice of any assignment or sale.

Time shall be of the essence of this agreement in its entirety, and it is binding upon all of the heirs, administrators, executors and assigns of the parties hereto, it being hereby agreed and understood that in case the said parties of the second part shall fail to comply with any or all of the terms, covenants and conditions herein contained, or shall abandon their rights hereunder, this entire lease and option and all rights of the parties thereunder shall without notice, other than as provided for herein, be terminated, forfeited and at an end.

IN WITNESS WHEREOF, the parties hereto have set their hands the day and year first above written.

Gene Marker

Mina Marker

Goldie Sanders Harrison

Parties of the first part

S. Standish

Parties of the second part

STATE OF MONTANA)
) SS
COUNTY OF GRANITE)

On this 1st day of September 1953, before me, R. E. McHugh, a Notary Public for the State of Montana, personally appeared Goldie Sanders Harrison, Gene Marker and Mina Marker, husband and wife, and Seymour Standish, known to me to be the persons whose names are subscribed within the foregoing instrument, and acknowledged to me that they executed the same.

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

R. E. McHugh
Notary Public

Notary Public for State of Montana

Residing at Anaconda, Montana

My commission expires January 5, 1954

Certified true copy: S. Standish

October 22, 1953.

ASSIGNMENT AND ACCEPTANCE

For and in consideration of the sum of One Dollar, and other good and valuable considerations, receipt of which is hereby acknowledged, I hereby sell, assign, and transfer unto ROCK CREEK MINES, a Joint Venture, of Philipsburg, Montana, all of my right, title and interest in a certain lease-purchase contract between GENE MARKER, MINA MARKER and GOLDIE SANDERS HARRISON, parties of the first part, and S. STANDISH, party of the second part, dated September 1, 1953.

WITNESS my hand and seal this 3rd day of September, 1953.

(Signed) S. Standish (SEAL)

ACCEPTED this 3rd day of September, 1953.

ROCK CREEK MINES, A Joint Venture

By S. Standish, Agent
S. Standish, Agent

STATE OF ILLINOIS)
) SS
COUNTY OF C O O K)

I, WILLIAM R. JORDAN, JR., Notary Public in and for said County in the State aforesaid, do hereby certify that S. STANDISH, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered said instrument as his free and voluntary act, for the uses and purposes therein set out.

Given under my hand and notarial seal this 3rd day of September, A.D. 1953.

(Signed) William R. Jordan, Jr.
Notary Public

My commission expires March 19, 1957.

STATE OF ILLINOIS)
COUNTY OF C O O K)

I, WILLIAM R. JORDAN, JR., Notary Public in and for the said County in the State aforesaid, do hereby certify that S. STANDISH, Agent for Rock Creek Mines, a Joint Venture, personally known to me to be the same person whose name is subscribed to the foregoing instrument as such Agent, appeared before me this day in person and acknowledged that he signed, sealed and delivered said instrument as his own free and voluntary act, as said Agent, for the uses and purposes therein set forth.

Given under my hand and notarial seal this 3rd day of September, A.D. 1953.

(Signed) William R. Jordan, Jr.
Notary Public

My commission expires March 19, 1957.

EXTENSION OF TIME FOR PAYMENT
AND
PERFORMANCE OF LABOR

WHEREAS, GENE MARKER and MINA MARKER, husband and wife, and GOLDIE SANDERS HARRISON, parties of the first part, and SEYMOUR STANDISH, party of the second part, in that certain Lease and Option to Purchase mineral rights in Section One (1) Township Five (5) North Range Sixteen (16) W.M.P.M. Granite County, Montana, and also an Option to purchase a quartz mill and milling machinery located on the above described property, which lease and option is dated September 1st, 1953;

And WHEREAS, the said parties above named now desire and have agreed to make certain changes in said Lease and Option as hereinafter set out;

NOW, THEREFORE, in consideration of the sum of One Dollar ($1.00) and other good and valuable considerations the parties of the first part agree to and with the party of the second part, as follows:

I. That the default of the party of the second part in not performing the required number of man-shifts of labor per month on the property as set out on page 2 of said Lease and Option, is hereby waived by parties of the first part and an extension of any requirement for the performance of any work on the said leased property is hereby granted to party of the second part by parties of the first part up to the 15th day of April, 1954 by which date party of the second part agrees to start work on the property.

II. Parties of the first part hereby agree to waive the default of the party of the second part in not making the payments of One Thousand ($1,000.00) Dollars per month on the purchase price of the quartz mill and milling machinery as called for in the original Lease and Option, on pages 6 and 7 thereof, and they do hereby agree that the first payment in the sum of $608.00 shall be made on April 15th, 1954, the first parties hereby acknowledging payment to them prior to the signing of this extension agreement of the sum of $392.00 and that the subsequent payments of $1,000.00 per month shall be made on the 15th day of each succeeding month until the full purchase price of $10,000.00 has been paid.

III. IT IS FURTHER AGREED that the original Lease and Option dated September 1st, 1953 be placed in escrow in the Daly Bank & Trust Company of Anaconda, Montana, in place of the Flint Creek Bank of Philipsburg, Montana, as provided for on Page 5 of the said Lease and Option and that all payments due first parties shall be made to the said Daly Bank & Trust Company of Anaconda, Montana.

Other than as set out herein all of the terms and conditions of the original Lease and Option are to stand and remain in full force and effect.

Dated this 20th day of January, 1954.

(Signed) Gene F. Marker

(Signed) Mina Marker

(Signed) Goldie Sanders Harrison

Parties of the First Part

(Signed) S. Standish

Party of the Second Part

Rock Creek Mines,
A Joint Venture

By: S. Standish, Agent.

MF-201

MORTGAGOR'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the owner is the holder of a mortgage, claim, lien, or encumbrance dated January 2nd, 1952, recorded in Book 16, page 290, of the mortgage records of the county of Granite, State of Montana, upon that certain parcel of ground described in a certain Exploration Project Contract dated ____, 1954 between Goldie Sanders Harrison, and Gene Marker and Mina Marker, the owner of said property and the United States of America;

NOW, THEREFORE, the undersigned does by these presents subordinate all of his right, title, and interest in said mortgage, claim, lien, or encumbrance to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights under the provisions of said mortgage, claim, lien, or encumbrance; and

The undersigned agrees to commit no act nor assert any right, title, or interest under said mortgage, claim, lien, or encumbrance that might contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 26 day of January, 1954.

Flint Creek Valley Bank

By B. A. Vaigs - Cashier

(SEAL)

U. S. GOVERNMENT PRINTING OFFICE 940767

MF-203
(Revised July 1, 1953)

6- MF-203
1- Craig
7 = OK

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 Granite, described as follows:1/

Section One (1) Township Five (5) North, Range Sixteen (16) west M.P.M.

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2/ Rock Creek Mines (a joint venture) S.Standish, Agent.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production (as set forth on the reverse side hereof) and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

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4. Changes and added provisions

Dated this 20th day of January, 1954.

Goldie Sanders Harrison [Seal]

Mina Marker [Seal]

Janet Marker [Seal]

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MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

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LOCATION AND DESCRIPTION

The Rock Creek Mine is located about 11 miles west and seven miles south of Philipsburg, Granite County, Montana. Roadway south from Philipsburg is excellent black-top pavement, and from that point west is well graded gravel. Rail transportation is available at Philipsburg by Northern Pacific Ry. Co. spur north to Drummond, Montana, where it joins the main line of that company.

The property consists of all subsurface mineral rights on Section 1, Twp. 5-N, Range 16-W, of Montana Principal Meridian, and also fee ownership and all mineral rights of any kind on the SW¼ of SW¼ of Section 1. On the latter 40 acres are located the mill, bins and loading platforms, mill buildings, housing, etc. The mill is a 40 to 50 ton capacity cyanide and amalgamating mill, consisting of diesel driven compressor, grinder, ball mill, cyanide tanks, retorts, etc.

The mill is reached from State Highway No. 38, about 1¼ miles via private road with no steep grades, which should be gravel surfaced for wet and snowy weather conditions. It is a down-hill grade, all of the way from mill to Route 38.

Section No. 1 is approximately 6,000 ft. above sea-level at the southwest corner, and about 5,500 ft. at the northeast corner. There is a definite ridge between these points (see U.S. Topographic Map of the area). Part of the Section is wooded, but the majority is grassy. The timber seldom exceeds 10 to 12 inches diameter at the butt, and makes excellent bin and bracing material.

HISTORY

This property was discovered in the summer of 1939 when prospectors sank three shafts to a depth of about 12 ft. and about 30 ft. apart, on a line approximately at right angles with the strike of the ridge. A drift tunnel was driven connecting the shaft bottoms, and the lead then stoped up to the surface. The only other work done in the area was hand-sluicing in Rock Creek. The results showed gold, but not in sufficient quantity for hand operation.

Two or three carload shipments from this opening showed extremely high-grade gold ore, with a result that capital was quickly enlisted, a cyanide mill installed, and production started which lasted until the property was closed down in 1941 as a non-essential industry, by government war-time regulations.

The ore showing was in two classes; the one containing free gold could be recovered in the mill, while the second containing complex ore necessitated shipment to the Anaconda Smelter for recovery. The smelter results showed ores ranging all the way from 1¼ to 1-3/4 oz. per ton, up to 18 and 20 oz. per ton. It is claimed that the last six truck-loads shipped by a sub-leasee just before the mine was closed in 1941 averaged $635.00 per ton.

Little can be learned regarding the results from sales of the amalgam from the cyanide mill. It is known that the mill treated most of the ores, but the amounts recovered are shrouded in almost complete mystery. A few went to the mint at Helena, and several went to the mint at Salt Lake City under assumed names; but the larger shipments show no record.

The owner of the land was a widow. The original lessee that took over in 1939 from the prospectors, had a lease on 40 acres only (SW¼ of SW¼ of Sec. 1). The widow became desperately ill in the second year of the operation, and the lessee, sensing the value of the whole section, went to her on her death-bed and offered to buy the balance of the entire section from her for a sum of cash so small that it smelled to high heaven. She acceded, however, and signed the deed. Shortly thereafter she died. The heirs, upon finding what had happened, entered suit charging undue influence, and incompetence, and finally, after long drawn-out litigation were awarded all of their mother's property, and the mill in addition. None of the earnings were recovered by the heirs. The local attorney retained by the lessee, was severely criticized by the court, and forever disbarred from further practice in the state of Montana. The lessee gave up, went back to his home in Seattle, and died, of a broken heart, no doubt.

Little has been done since the return of the property. The heirs were doubtful and suspicious of practically everyone that endeavored to obtain a lease. A little shafting and trenching has been done by one of the heirs in an attempt to locate the main lead, with little results, except the unearthing of manganese float at a depth of about 7 to 8 ft. below the surface, which assayed 42.52%. (See Assay Report, Exhibit B)

GEOLOGY

This property has all of the indications of being a massive gossan deposit (see Exhibit A from Peele's Handbook). It is my unqualified opinion that none of the workings thus far have uncovered anything but over-slopping from the main lead, which has never been found. The extremely high values found in the various flat lenses of dark brown limonite occurring throughout the overburden on the east slope of the ridge (see sample No.1) are one of the bases for this conclusion. Occurrence of badly leached float which stops along a line parallel to the ridge and some 200 ft. east of the top, is another indication. Occurrence of manganese float at 7 to 8 ft. of depth of overburden on the eastern slope, is still another indication.

One other indication worth mentioning was found by the writer in 1939 just below the present mill site. It was a large well worn and rounded pebble, oval in shape, the long dimension being about 4 inches, and the short, about 2 inches. On breaking this sample open with a sampling pick, I found the core to be hollow, and the entire inside surface lined with pure gold. This sample was immediately pronounced "Gossan deposit" by each qualified authority to whom it was shown.

DEVELOPMENT

Prior to discussion of development, would state that on my last trip to Philipsburg about a month ago, I was informed by authorities in Butte by officials of the General Service Administration, and Bureau of Mines, that a local purchasing program for Manganese ores had been established there. The demand for manganese is so heavy that the government is giving all possible aid to exploration and development for mines that have a fair showing of this critical metal. So much so, in fact, that under proper circumstances and mineral showings,

they will assist by doing the necessary core drilling, absolutely free of charge to the miner. It is a fact that they have already drilled many thousands of feet for miners in the area. This procedure has worked with excellent results, as the Philipsburg-Butte area is one of the best manganese areas in the United States. If one has a lease and an approved showing of ore, it is only necessary to make application for listing under the act as a participant shipper, and a number will be assigned provided such application has been made to GSA prior to June 30, 1953; this has already been done in this case, and the number assigned to writer is 10-245, dated June 29, 1953.

This procedure takes no exceptions to other concurrent minerals. The cores may be assayed for other minerals including the precious metals. This fact will aid greatly in reducing the initial cost of exploration on this property.

The first step recommended would be the locating of the outcrop of the main lead. This should be done by the prospective applicants for future drilling assistance. One of the best locations occurs at a spot on the ridge not far from the approximate center of Section 1, and previously referred to under the heading Geology, in the first paragraph (see Plate No. 1). At this location it should be necessary only to cross-trench a short distance up-hill from the stop line of the float. Once the strike and dip of the main lead at the outcrop has been established at two or three locations, these results will establish at once the basis for an intelligent drilling program, when application should be made at once for government assistance.

With the location of the lode well established, it becomes a simple matter to decide on the best location for the mine entrance. In many cases such information may place the entrance almost directly on the lode, so that little or no cross-cutting is required, and actual production can start almost at once, as the crew will be working directly in ore at all times, even when drifting.

CONCLUSIONS

Following is a summary of the facts presented above:

1. The property has been an excellent producer.

2. Production was halted during the war by government decree, and subsequently by the greediness and criminal avarice and fraud of the operator, with a long drawn-out legal proceedings which finally exposed him and his attorney.

3. The heirs lacked the training and experience to develop the mine.

4. The most important part of any mining operation, namely, the locating and the determination of the extent in value and volume, can be done for an almost infinitely small amount of expense.

5. Mining conditions are conducive to good, economical mining. The area is largely a mining area, and skilled labor of a high class is easily available. Living conditions are good. Underground mining can proceed the year round.

6. While the 16 mile haul to railroad for smelting ore is rather long and expensive, yet the larger part of the product will be cyanided, and amalgamated, and the shipping charges to mint are practically negligible.

7. On manganese ore, the government pays all freight from Philipsburg to Butte, and all refining charges.

8. The mill is on the ground and available for work.

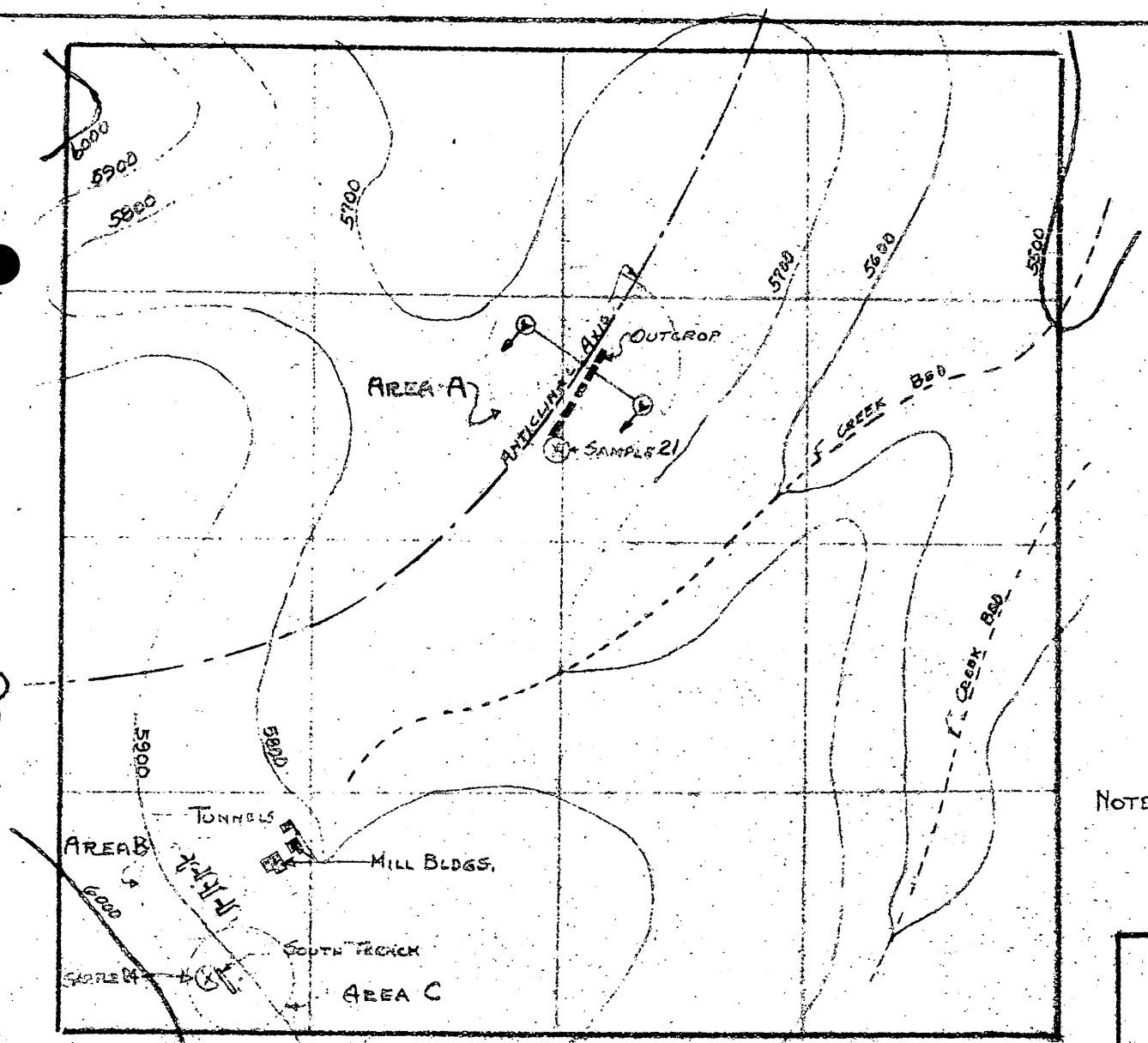
9. There will be no sales expense, as both products are bought at once by the government.

10. A fair lease has been negotiated, which provides for a price of $10,000.00 for the mill, and $90,000.00 for sub-surface mineral rights on the entire 640 acres, and surface rights on the original 40 acres. By contract, the mill is to be paid for on a basis of $1,000 per month for ten months. The mineral property is to be paid from a 15% royalty on net smelter, or net mint returns. Bill of sale for mining and mill equipment, and deed for real property will be escrowed with a local bank, and all payments paid through the bank to the lessors.

A review of the above facts can lead to but one conclusion, namely, that this property is one of great possibilities, and, because of government participation in exploration, the early costs will be cut to a minimum. I do not hesitate to recommend it highly for your serious consideration.

Chicago, July 17, 1953.

Consulting Engineer



SECTION No. 1
SCALE: 1" = 660'

N

NOTE: FROM ENLARGED PRINT OF U.S.G.S. MAP OF SAPPHIRE QUADRANGLE, MONTANA.

ROCK CREEK MINES
NEAR PHILIPSBURG, MONTANA
PRELIMINARY LAYOUT

S. STANDISH
CONSULTING ENGINEER
CHICAGO, ILL.

OCT. 20-1938

U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

TOPOGRAPHY

MONTANA
SAPPHIRE QUADRANGLE

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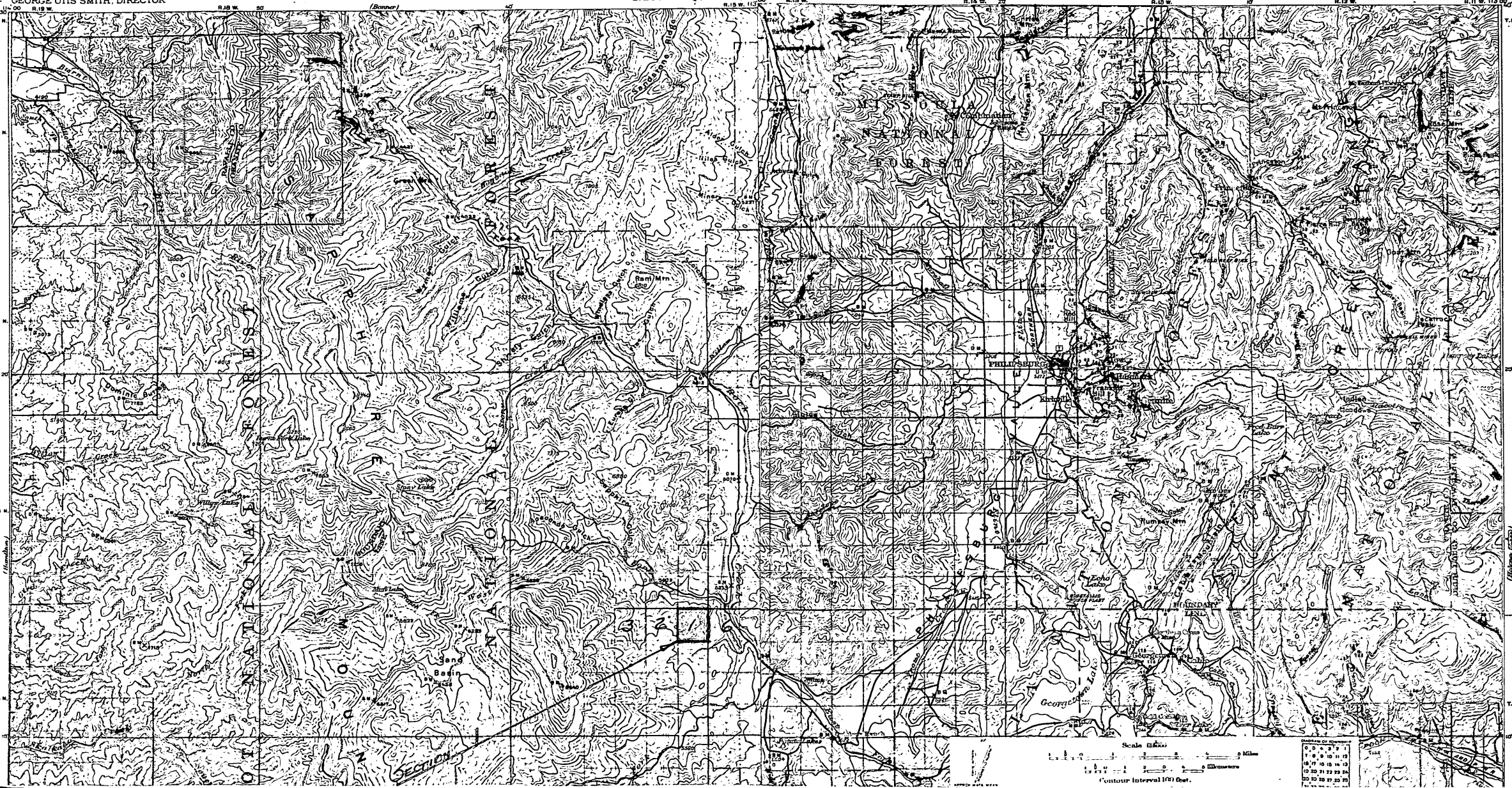
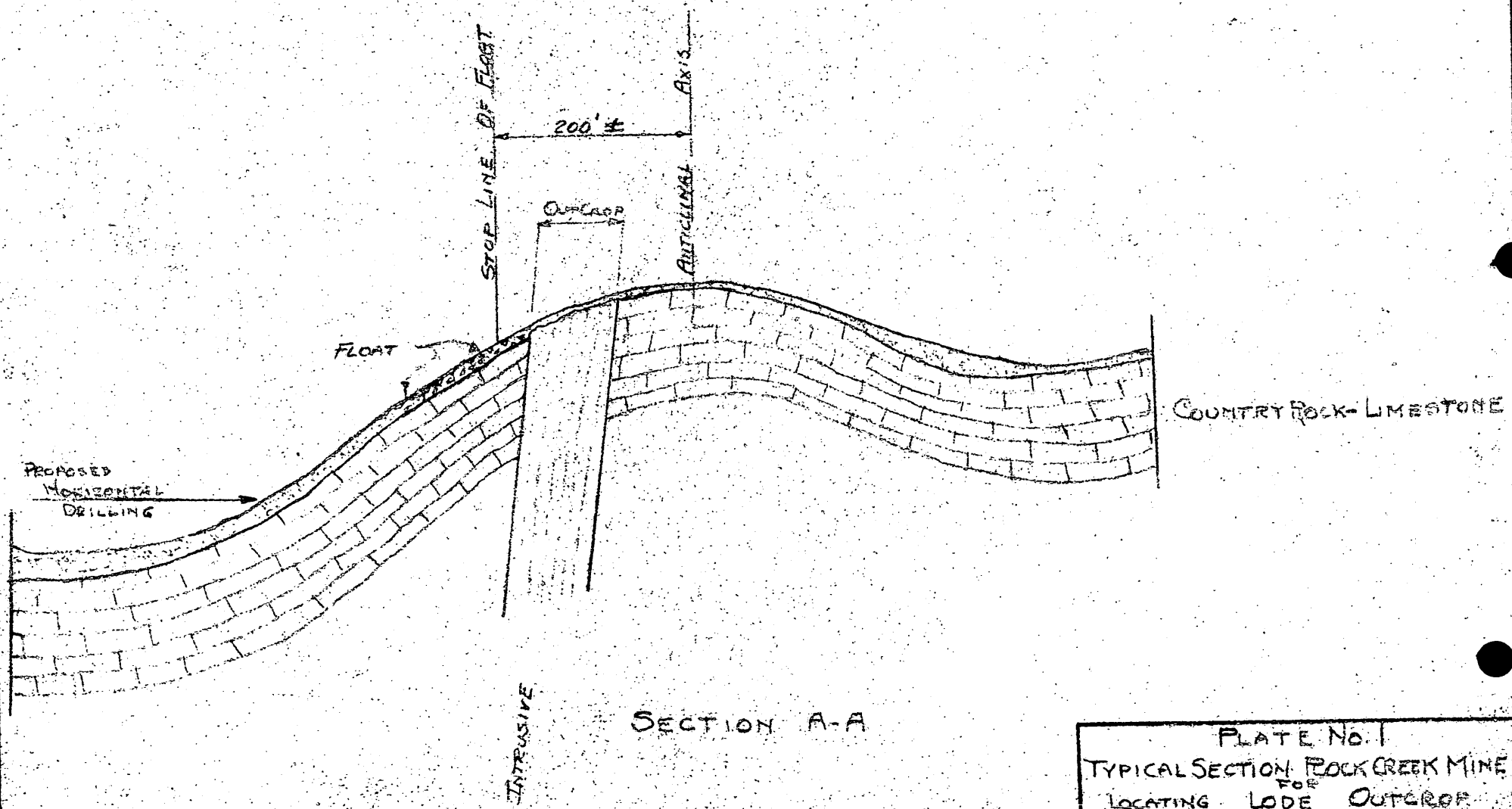
MONTANA
PHILIPSBURG QUADRANGLE





SECTION A-A

PLATE No. 1
TYPICAL SECTION ROCK CREEK MINE
LOCATING LODE OUTCROP FOR
S. STANDISH
CONSULTING ENGINEER
CHICAGO, ILL. JULY 16 1952

ADDENDA

Recent additional exploration has uncovered the following highly important information:

1. The intrusive outcrop at the top of the ridge, which strikes approximately N-45°-E, passing a point at approximately the center of Section 1, seems to give every indication of being the main lead. Samples of float a short distance below this outcrop show excellent manganese content, including Hausmannite, Mn_3O_4, which in the pure form contains 72%, or the highest percentage of all manganese ores. Three horizontal core drill holes should be driven as indicated on Plate I; two at the level shown, and a third at higher or lower elevation in order to establish the dip and strike of this vein, as well as the width and assay values. Vertical drilling at the outcrop can then be started to establish depth and values. (See layout map.)

2. An examination of the tunnels driven during the gold operation showed manganese stains in almost all of them, and Manganese ore itself in the "Ollie" tunnel. On the dump, just outside the entrance to the Ollie tunnel was found a pile of Manganese ore, "Black Mag", that had been removed from the gold ore back in 1939 and 1940, as it was trammed to the ore bin for grinding. This pile contained Manganese ore up to 8" and 10" maximum dimension, and was some 5' wide, by 2 or 3' high, and 10' long.

3. Exhibit B in the original report, showed Sample No. 7 as 42.52% Mn. This grade of Manganese ore is now being purchased by the GSA at approximately $96.00 to $98.00 per ton on board RR cars, Philipsburg, government paying all freight and refining charges in addition. Hausmannite in the pure sample would probably bring about $150.00 per ton.

Sample No. 7 was taken in the South trench, about 500' North of the South boundary of Section No. 1, on June 20, 1953. Sample No. 24, taken on October 5, 1953, was dug from the bottom of this trench, and appeared to be the same as the former sample No. 7 of June 20th. Present, and doing the sampling, was Mr. Ray Kallestad, a shift boss, who has been employed on the True Fissure Mine about 1½ miles East of Philipsburg, from the start of that operation. The True Fissure is the highest producer in the Philipsburg area. They are now down about 550' below the surface, and the ore is changing at that point from black mag to pink mag, or Rhodocrosite, which runs even higher in Mn. Mr. Kallestad told me and the others present, that this ore was exactly like the start of the True Fissure, in form, size and shape. It was encrusted with a white talc or white lime, so soft that it (the encrustation) could be scraped from the sample with a fingernail.

Samples are now in process of analysis. With almost 3,000' of Manganese showing, as above, on the East slope of the ridge, this property could easily develope into an excellent producer.

October 9, 1953

Consulting Engineer

SAMPLE LOG

Taken June 20, 1953

Sample No.	Location	Mineral	Description
1	Lens in overburden near Mill site	Au	Brownish limonite
2	Upper tunnel	Au	Grab sample at face
3	Ollie tunnel	Au	Face sample, 14" vein
4	" "	Au	Fines at face
5	" "	Au	Floor, 3' from face
6	East tunnel	Au	At face
7	South trench	Mn	Grab samples, float at 7' depth in overburden

EXHIBIT B

ASSAY REPORT

MONTANA LABORATORY COMPANY

CHEMISTS AND ASSAYERS

Philipsburg, Montana, June 25, 1953

The Following Analyses Were Made For S. Standish

	Per Cent H_2O	Ozs. Silver Per Ton	Ozs. Gold Per Ton	$ Gold Per Ton	Per Cent Copper	Per Cent Mn. Dioxide	Per Cent Iron	Per Cent Lead	Per Cent Manganese	Per Cent Silica	Per Cent Zinc
				Dollars							
#1		0.7	21.300	745.50							
#2		Trace	.170	5.95							
#3		0.3	.420	14.70							
#4		0.1	1.700	59.50							
#5		Trace	1.200	42.00							
#6		Trace	1.200	42.00							
#7									42.52		

MONTANA LABORATORY COMPANY

By W. A. Riegenhardt

ADDENDA II

The results of further examinations and samples taken October 5th,1953,(see Log Sheet and Assays for samples No.21 thru No.26,and also Preliminary Lay-out Sheet)indicate the following:-

1.Manganese exists in the area formerly worked for gold, and shown in the Layout Map as Area B.Sample No.23 proves that it exists in the Upper Tunnel,and samples No.22 and No.26 prove that it exists in place,and also that it had formerly been mined with the gold ore and discarded along the dump at the Ollie Tunnel.While these showings in the tunnels do not indicate Manganese ore of workable value,they do indicate clearly that manganese exists concurrently with the gold.As stated in the original report on this property,the materials worked thus far are not on the main lead,but merely the off-scourings from the main lead.

2.Of much greater interest,however,is the showing in Area A.The manganese value shown in sample No.21(excluding any of the high grade sample) is not of any significance,as it comes directly from the iron cap of the gossan.Webster's definition of gossan is as follows:-"Decomposed rock of reddish or ferruginous color(owing to oxidized pyrites),indicating an underlying metallic vein".This is exactly what we have at the crest of the ridge(area A).The gossan, or iron hat,is there.There is no way of estimating the true values of the vein below this cap except by excavating through tunnels and shafts,or,by core-boring as recommended in Addenda I.The fact that the gossan exists is,by all means,the important fact.

3.Excavation at the out-crop,down-hill at the spot where Sample No.21 was taken,would serve to indicate the thickness of the cap or gossan,and might permit early operation direct on the ore. Such operation should be more than self supporting;in fact it should net excellent returns.If the iron-hat is greater in thickness than the vertical distance from this spot to the crest of the ridge,then it would be necessary only to proceed further down-hill enough to establish the gossan thickness,together with the values to be had. as a matter of fact,it may easily work out that this huge vein may be readily open-pit mined,and this,of course,would be the most highly productive,as well as the most economical method of operation.

(Signed) S.Standish
Consulting Engineer

Chicago,Illinois.
October 30,1953.

SAMPLE LOG

(Taken Oct.9,1953)

SAMPLE NO.	MINERALS	LOCATION (See Preliminary Layout Map-Section A-A)	
21	Mn	Near outcrop on ridge-	Area A
22	Mn	Ollie Tunnel-Dump	" B
23	Mn & Au	Upper Tunnel	" B
24	Mn	South Trench	" C
25	Mn	Upper Tunnel	" B
26	Mn & Au	Ollie Tunnel-in place	" B

MONTANA LABORATORY COMPANY

CHEMISTS AND ASSAYERS

Philipsburg, Montana, October 21, 1953

The Following Analyses Were Made For Seymour Standish

	Per Cent H_2O	Ozs. Silver Per Ton	Ozs. Gold Per Ton	$ Gold Per Ton	Per Cent Copper	Per Cent Mn. Dioxide	Per Cent Iron	Per Cent Lead	Per Cent Manganese	Per Cent Silica	Per Cent Zinc
#21									1.34		
22									2.68		
23			.170						2.34		
24									44.22		
25									7.71		
26			.420						None		

MONTANA LABORATORY COMPANY

By .....

ADDENDA III

It has been suggested that some estimate of possible ore reserves be outlined herein. Any such estimate is exceedingly hazardous, especially when the preliminary information is limited, and is usually to be avoided for many reasons. The writer has studiously avoided any such estimate until the present time. However, after many requests for something general on this topic, it is felt that it would not be improper to give the reader some qualified data, under proper presentation, that would serve to acquaint him with the possibilities.

In the first place, it would not be fair to designate the product as "possible ore". Among the mining fraternity, possible ore has a certain definite meaning, as follows:

1. Possible ore denotes an ore-showing on one side of the vein only, such as an outcrop at the surface.

2. Probable ore denotes an ore-showing on two sides of the vein, such as an out-crop at the surface above, and at a tunnel below, voth properly sampled.

3. Ore blocked denotes an ore body showing on three sides, such as an outcrop above, attunnel below, and a shaft or a winze between the two, all three sides having been properly channel sampled. Ore blocked then becomes a definite quantity or tonnage of ore, with a certain definite percentage of of metal that can be recovered; this information becomes the basis for all future development and recovery.

Obviously, under the above rules, we have possible ore showings at the out-crop in Area A (see Lay-out Map). This is the gossan, or iron hat deposit, with some excellent samples of Hausmanite float on the down-hill side of the out-crop. In Peele's definition of gossan deposit (Exhibit A) he states that such condition "warrants exploration"

In Area B we have lower grade samples of manganese ore discarded along the track from the tunnel to ore bin, when the property was being mined for gold, some 12 to 14 years ago.

In Area C we have pryolusite float samples in the South Trench, at a distance of about 7 ft. below ground surface. Float is invariably understood to indicate a vein deposit higher up the hill.

The distance between the showings in Area A and in Area C is approximately 3,000 ft. The outcrop is approximately 100 ft. thick. There is showings in Area B, which lies between the above two.

The float samples in Area C are exactly similar to those appearing at the surface of the True Fissure Mine, at the starting of that operation. True Fissure is one of the best producers of manganese ore in the area known as the Butte-Philipsburg Area. The latter area is well recognized as the best manganese production area in the United States.

ADDENDA III (Cont.)

The True Fissure Mine has a vein thickness of about 175 Ft., and the ore has persisted from the surface to a depth of 550 ft. at the present, and is now being mined at that depth.

All of the above information is factual.

If we now assume that the vein on Rock Creek Mine is 100 ft. thick, 550 ft deep, and 3,000 ft. long, and that the manganese ore has a specific gravity of 4.00, or an average weight of 250 Lb. per cubic foot, then we would have the following tonnage of ore:-

$$\frac{100' \times 550' \times 3{,}000' \times 250\#}{2{,}000\#} = 20{,}625{,}000 \text{ tons.}$$

From highly reliable sources the writer is informed that the ore value at the True Fissure is averaging $30.00 to $35.00 per ton. With the foregoing figures in mind, it is a simple matter to evaluate such ore reserve.

The reader may apply any factor of safety to the above figures that he desires, but the fact is surely inescapable that this property merits intensive exploration.

(Signed) S. Standish

Chicago, Illinois.
December 8, 1953.

EXCERPT FROM
MINING ENGINEERS HANDBOOK
BY ROBERT PEELE
1918

GOSSAN is the indicator of what may be beneath. Most gossans are iron-stained because of the prevalence of iron sulphide in ores. Other stains may be formed, as green and blue stains of carbonates, silicates and the basic sulphate of copper; the delicate apple-green stain (annabergate) that results from oxidation of nickle-arsenic ores; the pink cobalt bloom (erythrite) where cobalt minerals occur; the dull black stain of MnO_2 in manganiferous ores. Discovery of gossan warrants exploration.

INFERENCES FROM GOSSANS AS TO FORM AND SIZE OF ORE BODY. Gossans comprise: those resulting from massive mineral bodies in which metallic minerals make up a considerable portion of the deposit, and those resulting from disseminated or "porphory" deposits in which the ore minerals are but a small part of the deposit. The former give rise to massive gossans; the latter to disseminated. Size of gossan and amount of limonite usually give an approximate idea of the depth of the deposit beneath. The gossan may be larger than the original deposit due to spilling over of iron oxide from the point where the original sulphides existed. Migration of the iron oxide is apt to be more pronounced in rocks other than limestone, which, by the ready precipitation of limonite retards migration.

MAXXIVE GOSSANS. Form of the gossan is usually the same as the form of the mineral body beneath; thus, fissure veins give rise to similar simple forms of massive gossans. But irregular replacement bodies give gossans of the shape produced by the intersection of the ore mass and the surface: hence, the form of the gossan is not necessarily that of the mineral body beneath, particularly if the oxidized zone has considerable vertical extent, for within range of the gossan, the form of the original deposit may also have varied. Replacement veins or replaced sheeted zones may be inferred, for the sheeting of the original lode is usually preserved in the gossan.

DISSEMINATED GOSSANS. Disseminated deposits, as those at Miami, Ray, Bingham (Utah) etc. have characteristic gossans. The iron stains are disseminated in small cavities originally occupied by grains of sulphides, or in small cracks and seams of the rocks, but do not generally pervade the rock mass as a whole. The appearance of massive gossan is thus given, and unless the rock between stains bounding fissures be broken and examined, confusion with massive types may arise. This type of iron stain, together with numerous seams and extensive sericitation is characteristic of disseminated ore bodies.

INFERENCES AS TO MINERAL CHARACTER:- A gossan comprised of cellular quartz and stained with iron indicates a quartz mineral body. The cellular spaces give some idea of the amount of original sulphide. If the amount of iron stain be incommensurate with the size of the cells, it may mean that a large part of the total mineral removed was more valuable than the iron compounds. Stains of Au (gold), Mn (Manganese), and Cu (Copper), etc. indicate that these minerals were originally present, Cubic cells indicate that minerals of similar crystal shape originally occupied them.

BRIEF BIOGRAPHICAL SKETCH - S. STANDISH

Education, etc.	Born - Lima, Ohio, 1886 B. S. - University of Illinois 1910 C. E. - University of Illinois 1915
1906-1907	Assistant Engineer, Long Key Viaduct, Key West Extension, Florida East Coast Ry. - 180 concrete arches - 2 mi. long.
1910-1914	Field Engineer, A.T. & S.F. Ry. System. Erection of some 40 bridges including renewal under traffic, Sibley bridge crossing Missouri River near Kansas City.
1914-1931	Co-partner firm STANDISH and ALLAN, later in 1921 became STANDISH ENGINEERING CORPORATION, acting as President and Treasurer. During this period designed as engineers and built as contractors, piers, docks, bridges, dams, barges, steel erection, steel buildings, retaining walls, etc., etc., throughout United States. Contract work totaling over $2,500,000.00 and engineering work totaling over $11,000,000.00. Outstanding contracts were, Ashtabula Viaduct at Ashtabula, Ohio, Wabash River Bridge at Attica, Indiana, and two armories at Ames and Iowa City, Iowa. Engineering:- In collaboration with Ralph Modjeski, Apalachicola Bay Bridge, Apalachicola, Florida, $1,600,000.00; Detroit River Canadian Bridge, Trenton, Michigan, $3,200,000.00; and in collaboration with John Greiner, James River Bridge, Norfolk, Virginia, $6,200,000.00.
1931-1937	MINING EXPLORATION, DEVELOPMENT AND OPERATION:
1931-1934	Gold Creek Mining Co., Gold Creek, Montana; Placer Dredge; Engineer & Manager; Investigation, Testing, Report and Operation.
1934-1935	Beckstan Mining Co., Elliston, Montana; Lode Mine; Vice Pres. and Manager; Investigation, Exploration and Operation.
1934-1935	Wm. H. Beckwith Trustee-Syndicate, Fairplay, Colorado; Placer Dredge; Engineer and Manager; Property tested by 120 shafts and 18 Drill Holes, Surveyed and Mapped for Surface and Bedrock Contours. Operation started in 1939 as Timberline Dredging Co.
1936-1937	Garnet United Gold Mining Co., Garnet, Montana; Lode Mine; President and Manager; Exploration and Operation.
1937-1941	Consulting Engineer, Seattle, Wash. Mining reports on properties in Washington, Oregon, Montana, Idaho, Colorado, Utah and Alaska; Lode and Placer.
1938-1938	Prepared alternate steel design for Lake Washington Pontoon Bridge with Ralph Modjeski, as MODJESKI and STANDISH; Cost: $3,200,000.00
1941-1941	Rebuilt Steel Tank and Pipe Co., Portland, Oregon, (destroyed by fire) without interfering with operation.
1941-1943	Superintendent of Construction, Yakutat Army Air Base, Yakutat, Alaska, for U. S. Army Engineers. Est: $8,000,000.00.
1943-1944	Compiling and supervision of printing of required lists Advance Base Functional Components, Bureau of Yards & Docks, U. S. Navy, Chicago.
1944-1945	In charge U.S. Engineer Contract Sub-Office, Chicago, Illinois, for Griffenhagen & Associates. Compiling, printing and illustrating Army Engineers Catalogs ENG-5, ENG 3-1, ENG 3-2, ENG 3-6 and PINK BOOK. Also developed Addressograph Card System for Depots, Ports of Embarkation and Procurement Offices to supply current information. Also developed Pricing Section for price comparisons in procurement.
1945-1953	Engineer and Manager for Pan American Development Syndicate and for Alaska-Yakataga Project Syndicate; exploration and development of mining properties in United States, Alaska and Central America.

Engineering Societies, Clubs, etc.	Member: Tau Beta Pi, Honorary Engineering Fraternity; Ex-Assoc. Member - American Society of Civil Engineers; Ex-Member - Chicago Engineers' Club.

OUTLINE OF WORK COMPLETED AT
YAKUTAT ARMY AIR BASE
1941 - 1943

2 - 7500' x 150' Concrete Runways
1 - 900' x 700' Concrete Apron
1 - 200' x 160' Steel and Concrete Hangar
32 - Miles Primary Roads
51 - Miles Secondary Roads
106 - Miles Drainage Ditches
1 - 400' Wooden Pile Trestle
26 - Small Timber Bridges
1 - 600 KW Generating Plant
70 - Miles Transmission Lines
35 - Standby Generating Plants - 5 KW to 75 KW
7 - Sewerage & Reduction Systems
7 - Water Supply Systems
15 - 60,000 Gal. High Octane Steel Storage Tanks & Pumping Station
10 - 10,000 Gal. Diesel Storage Tanks
20 - Miles - 6" Welded Pipe Line for High Octane Gasoline
6 - Miles - 4" Welded Pipe Line for Diesel Oil
1 - 80 Building Air Corps Camp
1 - 36 Building, 75 Bed Hospital Camp
1 - 35 Building Coast Artillery Camp
1 - 40 Building Civilian Camp
1 - 10 Building Air Warning Camp
1 - 6 Building Radar Station
1 - 20 Building Infantry Camp
1 - 15 Building Infantry Camp
20 - Quartermaster Warehouses
1 - 5 Building Signal Corps Camp
1 - 22 Building Naval Air Force Camp
1 - Naval Seaplane Ramp (Original Alternate Design)
4 - 155 MM Gun Emplacements
2 - 6" Gun Emplacements
78 - Munition Storage Huts
18 - Earth Revetments and Incidental Miscellaneous Construction
1 - Naval Seaplane Hangar

ESTIMATED AT: $8,000,000.00

COMPLETED FOR: $6,000,000.00

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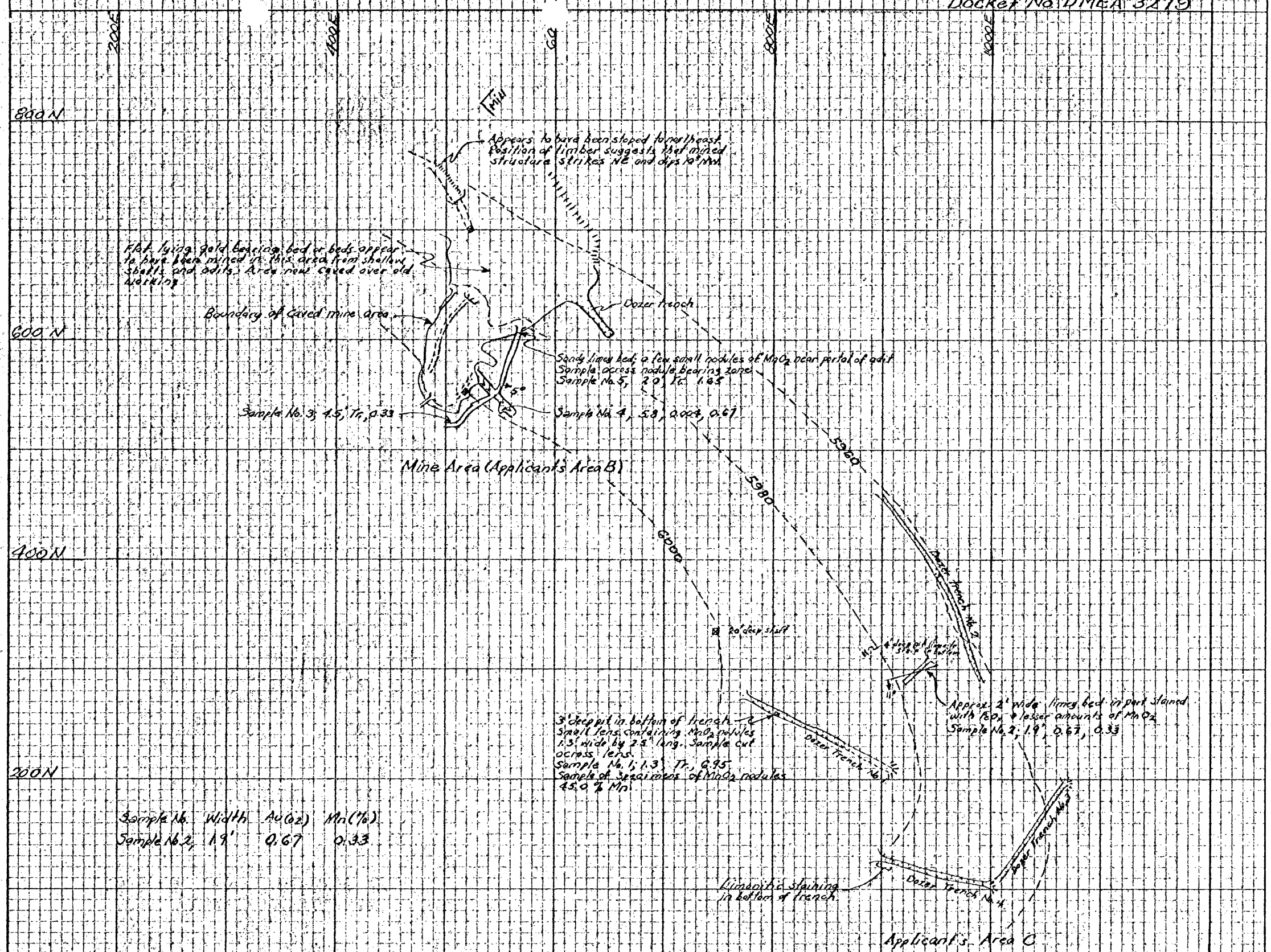

Sample No.	Width	Au (oz)	Mn (%)
Sample No. 2,	1.9'	0.67	0.33

SKETCH MAP IN VICINITY OF MINE AREA

ROCK CREEK PROPERTY, GRANITE COUNTY, MONT.

1" = 100'

Datum assumed

May 1954