DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2691

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration Project

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

Routing Slip - Copies to USBM and USGS. One copy retained by Region II.

To:	Code 400, Rm. 3538	Date	9-9-52
To:	Open Conn	Date	12-3-52
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400

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 6 1953

February 2, 1953

2691

owner of land

Mr. George A. Shields
Box 291
Twin Bridges, Montana

Dear Mr. Shields:

Amer 2691 - Mn
Loan request denied
11/28/52 to
McDonald, Ettien
+ Hanifen, lessees
V.S.
WSM

This is in reply to your recent letter regarding an exploration loan on your Black Magic group of claims in Madison County, Montana, which is leased by you and Mr. A. L. Craddock to Messrs. A. A. McDonald, J. C. Ettin, and F. L. Hanifen.

I wish to advise that the Government has no exploration Project Contract to explore these claims. I trust that this is the information you desire and wish again to thank you for the interest you have shown in this matter.

Very truly yours,

James J. Quinlan
for A. L. Weissenborn
Executive Officer, DMA
Field Team, Region II

cc:
(2)
(2)
Quinlan

DEC 4 1952

Mr. [illegible] McDonald
[illegible]
Montana

Re: Docket No. [illegible] - Manganese
[illegible] McDonald, [illegible] C. Pitton and
[illegible] Manifon
[illegible] Eagle, Black Hawker and
[illegible] Eric Claims
Madison County, Montana

Dear Mr. McDonald:

Your request for exploration assistance and other remarks concerning the property covered by the above referenced application available to us in Washington have been carefully reviewed.

This information, although noting the occurrence of low-grade manganese mineralization in several localities on your property, indicates to us that the probability of discovering mineable ore reserves of manganese in your proposed program is not sufficiently promising to justify Government participation. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in our minerals program and for bringing this property to our attention.

Sincerely yours,

(signed) FRANK E. JOHNSON,

ACTING Administrator

Rutledge:lm
11/25/52

cc: Chron. Reading File
Docket
[illegible] C. Melcher, [illegible]
[illegible] Crittenden, [illegible]
Field Team [illegible]
Operating Committee
H. C. Selfridge
F. A. Rutledge

Administrator, DMEA November 25, 1952

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $14,200.00
Docket No. DMEA 2691 - Manganese
A. A. McDonald, J. C. Ritten and F. D. Hanifen, partners
Black Magic, Black Bonanza and Black Maria Claims
Madison County, Montana

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

1. The application did not contain any sample or geologic data to substantiate the proposal for exploration.

2. The manganese occurs as small nodules and pods within shear zones and within what has been interpreted as a filled solution cavern. There is a notable concentration of manganese at the intersection of shear zones.

   All evidence indicates the pod-like bodies of manganese are small and of low grade.

3. A field examination by John S. McNabb, Bureau of Mines, and James J. Quinlan, Geological Survey, indicates the property has little merit.

4. The Field Team recommends denial.

5. The Commodity Division of the Geological Survey recommends denial of the application.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

FARutledge'lm
11/25/52

cc: Admn. Reading File
Docket
G. C. Selfridge
F. A. Rutledge

(408)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1952

November 7, 1952

Mr. F. W. Johnson, Chairman
Operating Committee, DMEA
Dept. of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed is a report by John S. McNabb, Engineer U. S. Bureau of Mines and James J. Quinlan, Geologist, U. S. Geological Survey, on a field examination of the Black Magic property Madison County, Montana, A. A. MacDonald, E. T. Ettien, and P. D. Manifen, partners, Docket DMEA-2691 (manganese). The Field Team agrees with the conclusions of the report and recommends a denial because the grade of the manganese is low and the nature and size of the pod-like bodies are such that they cannot be considered economic.

By Field Team, Region II

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

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

Enclosure
cc: [illegible] (2)
Quinlan

Reviewed by
DMEA OPERATING COMMITTEE
11-21-52
(date)

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

[illegible]
No. 157 Howard Street
Spokane 1, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 [illegible] 1952

October 31, 1952

Memorandum

To: DMA Field Team, Region 11

From: John F. [illegible], Jr. Engr., U. S. Bureau of Mines, and James J. [illegible], Geologist, U. S. Geological Survey.

Subject: Field Examination, Docket No. [illegible] 2691 (Manganese), A. A. McDonald, J. W. Ettlin, and P. D. Hamilton, Partners, Black Marble Property, Madison County, Montana.

INTRODUCTION

The subject examination was made September 9, 1952 in connection with an application for exploration assistance made by A. A. McDonald, J. W. Ettlin and P. D. Hamilton all of Gallipolis, Montana. The examining team was accompanied by A. A. McDonald and P. D. Hamilton.

The delay in submitting this report is due to the fact that assay results of samples taken during the examination were not available until October 27, 1952.

RECOMMENDATION

It is recommended that the application be denied. The grade of the manganese "ore" is low and the nature and size of the pod-like bodies are such that they cannot be considered economic.

[illegible]

The application states that the property is in Section 6, T. [illegible], R. [illegible], Madison County, Montana. The workings, on the north side of Black Creek, are on the east flank of the Gallatin Range. Access to the property from Alder, Montana, the nearest point of supply and railroad, is by 2.4 miles of improved county road and 4.[illegible] miles of unimproved mountain road.

Reviewed by
DMEA OPERATING COMMITTEE
11-21-52
(date)

PROPERTY

The property consists of three unpatented quartz lode mining claims, the Black Magic, Black Bonanza, and Black Maria.

The claims are owned by George A. Shields and H. L. Craddock of Twin Bridges, Montana. They are held under lease by the applicants; a copy of this lease agreement was filed with the application.

Mr. George Shields, one of the owners of the property, wrote this office October 10, 1952 inquiring as to whether a loan application had been filed on the Black Magic property. This letter stated that Mr. Shields does not approve of an application, and that he does not believe that the property merits a loan. The letter also implied that the applicants have not lived up to the terms of the lease. A copy of our reply to Mr. Shields is attached to this memorandum.

FINANCIAL AND ADMINISTRATIVE COMPETENCY OF APPLICANTS

The application states that the project will be supervised by A. A. McDonald, 30 years of practical mining experience in the Philipsburg area, and R. D. Hanifen, 10 years' mining experience in the Philipsburg area.

Mr. McDonald is at present employed as a state liquor inspector, and Mr. Hanifen is County Attorney for Granite County, Montana.

HISTORY AND PAST PRODUCTION

Nothing is known of the early history of the property. The age and condition of the one adit indicates that this adit was driven years ago. The location notice on the Black Magic claim shows that Mr. Shields and Mr. Craddock located the claim in 1951.

There is no recorded production from the property.

MINE WORKINGS

A 43 foot adit has been driven and several shallow pits excavated to prospect the Black Magic claim. No workings were noted on the other claims. The relative position of the claims and workings are shown on the accompanying sketch map.

GEOLOGY

The claims are underlain by pre-cambrian marble and gneiss of the Cherry Creek formation.

Manganese occurs as small nodules and pods within shear

[illegible] and which [illegible] interpreted as a [illegible] solution cavern. There is a [illegible] collect [illegible] of [illegible] of [illegible], [illegible] small [illegible]-like or [illegible]-like [illegible]. The deposit appears to be similar in [illegible] and [illegible] to the [illegible] and Cherry Creek deposits [illegible] [illegible].1/

The principal [illegible] [illegible] and [illegible].

In pits No. 1 and No. 2 small [illegible] of [illegible] occur within [illegible] zones with [illegible] concentration at the intersection of [illegible] zones. The geology of these pits is shown on the sketch map accompanying this memorandum. A 4.2-foot sample across a zone at pit No. 1 assayed [illegible]. A sample of a sorted ore pile, which is less than one ton in size, on the dump of this pit, assayed 27.8 percent Zn, [illegible] percent Cu, [illegible] percent Pb, 31.6 percent Fe, and [illegible] percent Al$_2$O$_3$. A 5-foot sample from pit No. 2 across the best zone exposed on the property assayed [illegible] percent Zn.

In the adit [illegible] structure is apparent. The adit is driven into what is interpreted as a filled solution cavern. The adit exposed what could be described as a sedimentary [illegible] similar in appearance to a fanglomerate. This sedimentary [illegible] consists principally of unsorted [illegible] and [illegible] of [illegible], limestone and quartz. Small nodules of galena, approximately 1 percent of the vein, are scattered throughout.

[illegible]

The applicants propose to sink 100 feet of shaft and drive 150 feet of drift to explore the [illegible] [illegible] [illegible] No. 2.

The grade of the [illegible] is low and the [illegible] and size of the rod-like bodies [illegible] that they cannot be considered [illegible]. For these reasons, further exploration of the property at this time cannot be justified.

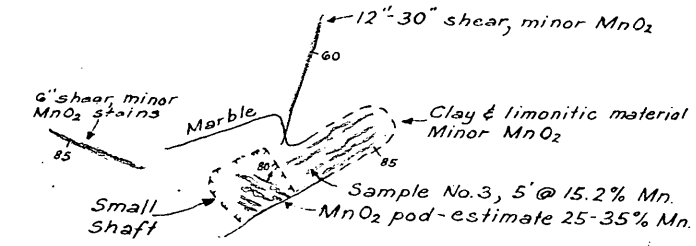
The applicants' estimated costs for the proposed project appear to be low. It is estimated that the shaft can be sunk for $4,000 or $40.00 per foot and drifting completed for $4,000 or $26.66 per foot. As the property appeared to have little merit, no attempt was made to work out more realistic cost estimates with the applicants.

1/ Pardee, J. T., [illegible] Montana, [illegible], Montana, U.S.G.S. Bull. 679, p. 113-132, 1918.

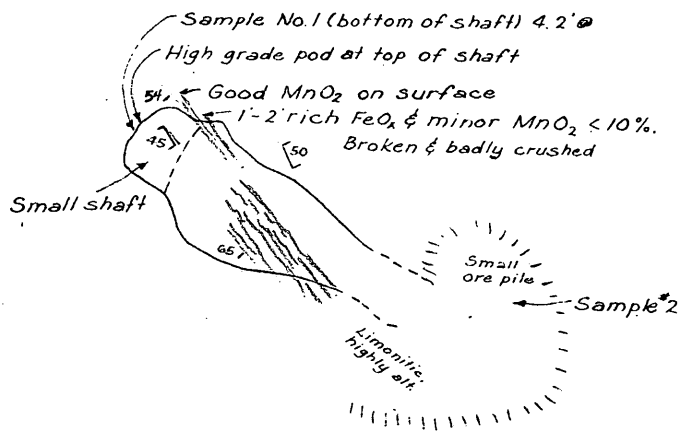
Enclosure
Sketch [illegible], [illegible] - [illegible] 3
(2)
([illegible])
[illegible]
Sketch

John [illegible] Schaff, Engineer

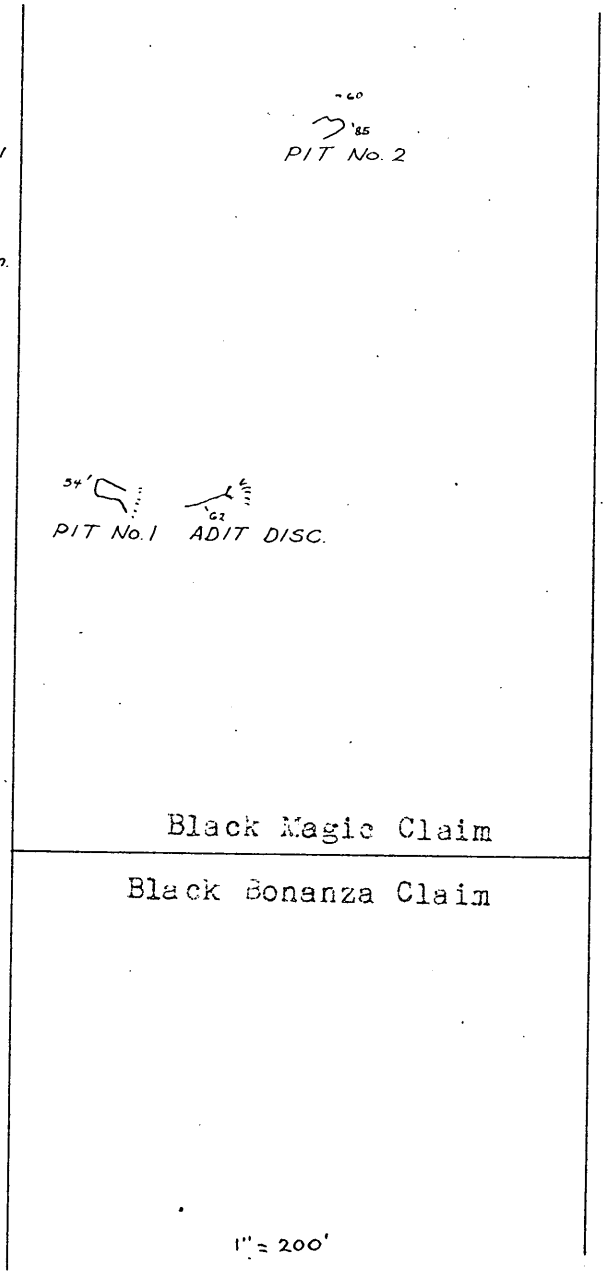
James J. Quinlan, Geologist

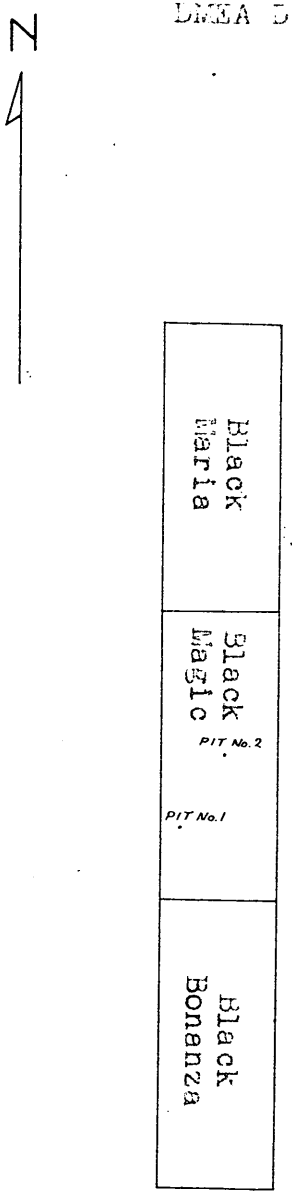


PIT No. 2
1" = 20'



PIT No. 1
1" = 20'





Claim Group
1" = 1000'

SKETCH MAP BLACK MAGIC PROPERTY, MADISON COUNTY, MONTANA

CLAIM BOUNDARIES DIAGRAMMATIC
WORKINGS TIED TO SW COR. BLACK MAGIC
BRUNTON & TAPE SURVEY BY J. J. & J. S. McK., 1952

dmea 2691

400

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 20 1952

10/30/52

October 17, 1952

F.T. has already made separ; says report coming in + probably denial.

Mr. George A. Shields
Box 291
Twin Bridges, Montana

Dear Mr. Shields:

This is in reply to your letter of October 10, 1952 requesting information concerning an Exploration Loan on your Black Magic group of claims in Madison County, Montana.

An Exploration Loan application has been submitted by Mr. A. A. McDonald, Mr. J. C. Ettien, and Mr. P. D. Henifen to explore the Black Magic group of claims. The applicants are within their rights in submitting an application as they have obtained a lease on the property from you and Mr. Craddock.

We wish to advise that an application is no guarantee that a loan will be granted. Each application is given careful study by the Government to determine if the property merits a loan. Furthermore, the applicants would have to obtain from you and Mr. Craddock an "Owner's Consent to Lien" on the area of proposed exploration before a loan could be granted.

Apparently you do not believe that Mr. McDonald, Mr. Ettien, and Mr. Henifen have lived up to the terms of the lease. This is a matter between you and the lessee, but we wish to thank you for bringing this to our attention.

Yours truly,

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

cc: DMEA (2)
USGS (2)
Quinlan

Field Team, Region II

cc: DMEA (2)
USGS (2)
Quinlan

dmea 2691

400

10/30/52

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

October 17, 1952

I.T. has already made examination report coming in & probably denied.

Mr. George A. Shields
Box 291
Twin Bridges, Montana

Dear Mr. Shields:

This is in reply to your letter of October 10, 1952 requesting information concerning an Exploration Loan on your Black Magic group of claims in Madison County, Montana.

An Exploration Loan application has been submitted by Mr. A. A. McDonald, Mr. J. C. Ettien, and Mr. P. D. Hanifen to explore the Black Magic group of claims. The applicants are within their rights in submitting an application as they have obtained a lease on the property from you and Mr. Craddock.

We wish to advise that an application is no guarantee that a loan will be granted. Each application is given careful study by the Government to determine if the property merits a loan. Furthermore, the applicants would have to obtain from you and Mr. Craddock an "Owner's Consent to Lien" on the area of proposed exploration before a loan could be granted.

Apparently you do not believe that Mr. McDonald, Mr. Ettien, and Mr. Hanifen have lived up to the terms of the lease. This is a matter between you and the lessee, but we wish to thank you for bringing this to our attention.

Yours truly,

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

cc: DMEA (2)
USDM(2)
Quinlan

DMEW 2691
Doorbell

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
SPOKANE

October 17, 1952

Mr. George A. Shields
Box 291
Twin Bridges, Montana

Dear Mr. Shields:

This is in reply to your letter of October 10, 1952 requesting information concerning an Exploration Loan on your Black Magic group of claims in Madison County, Montana.

An Exploration Loan application has been submitted by Mr. A. A. McDonald, Mr. J. C. Ettien, and Mr. P. D. Hanifen to explore the Black Magic group of claims. The applicants are within their rights in submitting an application as they have obtained a lease on the property from you and Mr. Craddock.

We wish to advise that an application is no guarantee that a loan will be granted. Each application is given careful study by the Government to determine if the property merits a loan. Furthermore, the applicants would have to obtain from you and Mr. Craddock an "Owner's Consent to Lien" on the area of proposed exploration before a loan could be granted.

Apparently you do not believe that Mr. McDonald, Mr. Ettien, and Mr. Hanifen have lived up to the terms of the lease. This is a matter between you and the lessee, but we wish to thank you for bringing this to our attention.

Yours truly,

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

Copy retained 400

cc: DMEA (2)
USBM(2)
Quinlan

SEP 22 1952

Mr. A. [illegible] Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMMA 2691 - Manganese
A. A. McDonald, J. [illegible] Attien,
and P. D. Henifen, Partners
Black Magic Mine
Madison County, Montana

Dear Mr. Weissenborn:

Your letter of August 29, 1952, advising us that a geologist would visit the property during the following week, has been received. We are holding any action on the application in abeyance until we hear further from you.

Enclosed find two copies of a memorandum by Mr. Max D. Crittenden of the U. S. Geological Survey.

Sincerely yours,

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

Enclosures

Copy to: Docket
[illegible] and File
Field Team, [illegible] 2
[illegible] Selfridge
Max D. Crittenden, [illegible]
[illegible] Melcher, [illegible]

TLChapman:ls

400

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

September 24, 1952

Mr. George C. Selfridge, Chief
Iron and Ferro-Alloy Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket no. DMEA 2691 - Manganese
A. A. McDonald, J. E. Ettien, and
P. D. Henifen, Partners
Black Magic Mine
Madison County, Montana

Dear Mr. Selfridge:

This will acknowledge your letter of September 22, 1952, in which you state that you are holding action on the subject application until you hear from the Field Team. This is to advise you that a field examination has been made. The final report will have to await receipt of assays of samples taken but it appears almost certain that a negative recommendation will be made.

Sincerely yours,

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

cc: USBM(2)
J. J. Quinlan

IN REPLY REFER TO:

G-MD-CF

400

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

September 9, 1952

Memorandum

To: George C. Selfridge, DMEA

From: Max D. Crittenden

Subject: DMEA 2691, Manganese McDonald, Ettien & Hanifen
Philipsburg, Montana

The Geological Survey has no information about manganese deposits in that part of Madison County (sec. 6, T. 7 S., R. 4 W.) the applicants wish to explore. Nor do the applicants give sample or geologic data to substantiate their proposal. The information presented is scarcely sufficient to justify a field referral.

Max D. Crittenden

MDCrittenden:gt

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

Amer-2691

So. 157 Howard Street
Spokane 4, Washington

August 29, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Washington 25, D. C.

Re: Application - Manganese
A. A. McDonald, J. C. Ettien,
P. D. Hanifen, Partners
Madison County, Montana

Dear Mr. Johnson:

Enclosed are three copies of an application for exploration assistance from the above-referenced partners. Also enclosed is one copy of Lease and Option dated June 7th, 1952.

The applicants were requested by letter of August 25 to complete form MF-203 "Owner's Consent to Lien". As soon as these are completed we shall mail them to you. One copy of the application has been retained in this office. We expect to have a geologist in the area next week, so a field examination is scheduled ahead of referral from your office.

Very truly yours,

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

Enclosures
As Above

cc: USBM (2)
Quinlan w/encl.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

February 2, 1953

Mr. George A. Shields
Box 291
Twin Bridges, Montana

Docket 2 6

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 6 1953

Dear Mr. Shields:

This is in reply to your recent letter regarding an exploration loan on your Black Magic group of claims in Madison County, Montana, which is leased by you and Mr. E. L. Craddock to Messrs. A. A. McDonald, J. C. Ettin, and P. D. Hanifen.

I wish to advise that the Government has no Exploration Project Contract to explore these claims. I trust that this is the information you desire and wish again to thank you for the interest you have shown in this matter.

Very truly yours,

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

cc:
[illegible]A(2)
[illegible](2)
Quinlan

FILE COPY
SURNAME:

Rutledge
Selfridge
Kelcher
Lindrey
Hedges

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

DEC 4 1952

Mr. A. A. McDonald
Philipsburg,
Montana

Re: Docket No. DMEA 2691 - Manganese
A. A. McDonald, J. C. Ettien and
P. D. Hanifen
Black Magic, Black Bonanza and
Black Marie Claims
Madison County, Montana

Dear Mr. McDonald:

Your request for exploration assistance and other reports concerning the property covered by the above referenced application available to us in Washington have been carefully reviewed.

This information, although noting the occurrence of low-grade manganese mineralization in several localities on your property, indicates to us that the probability of disclosing mineable ore reserves of manganese by your proposed program is not sufficiently promising to justify Government participation. We regret, therefore, to inform you that your application is denied.

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

Sincerely yours,

(signed) FRANK E. JOHNSON (fw)
ACTING Administrator

FARutledge'lm
11/25/52

12-4-52

cc: Admn. Reading File
~~Docket~~
N. B. Melcher, USBM
M. D. Crittenden, USGS
Field Team Reg. II
Operating Committee
G. G. Selfridge
F. A. Rutledge

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Administrator, DMEA

DATE: November 25, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

SUBJECT: Denial of application for exploration assistance in the amount of $14,200.00
Docket No. DMEA 2691 - Manganese
A. A. McDonald, J. C. Ettien and P. D. Hanifen, partners
Black Magic, Black Bonanza and Black Maria Claims
Madison County, Montana

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

1. The application did not contain any sample or geologic data to substantiate the proposal for exploration.

2. The manganese occurs as small nodules and pods within shear zones and within what has been interpreted as a filled solution cavern. There is a notable concentration of manganese at the intersection of shear zones.

   All evidence indicates the pod-like bodies of manganese are small and of low grade.

3. A field examination by John S. McNabb, Bureau of Mines, and James J. Quinlan, Geological Survey, indicates the property has little merit.

4. The Field Team recommends denial.

5. The Commodity Division of the Geological Survey recommends denial of the application.

G. C. Selfridge.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

FILE COPY 400
SURNAME:

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

Administrator, DMEA

November 25, 1952

Rutledge
Selfridge
McDilly

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $14,200.00
Docket No. DMEA 2691 - Manganese
A. A. McDonald, J. C. Ettien and P. J. Hamifen, partners
Black Magic, Black Bonanza and Black Maria Claims
Madison County, Montana

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

1. The application did not contain any sample or geologic data to substantiate the proposal for exploration.

2. The manganese occurs as small nodules and pods within shear zones and within what has been interpreted as a filled solution cavern. There is a notable concentration of manganese at the intersection of shear zones.

   All evidence indicates the pod-like bodies of manganese are small and of low grade.

3. A field examination by John S. McNabb, Bureau of Mines, and James J. Quinlan, Geological Survey, indicates the property has little merit.

4. The Field Team recommends denial.

5. The Commodity Division of the Geological Survey recommends denial of the application.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

FARutledge:lm
11/25/52

cc: Admn. Reading File
Docket
G. C. Selfridge
F. A. Rutledge

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

Sao

TO : Geo. C. LeGhelge

DATE: 11-20-52

FROM : M. D. Crittenden

SUBJECT: DN & A 2691 (manganese) McDonald, Cittin, Hanifin

Rejection sustained

NOV 25 1952

MDC

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1952

November 7, 1952

11/25/52

Mr. F. E. Johnson, Chairman
Operating Committee, DMEA
Dept. of the Interior
Washington 25, D. C.

Amer 2691

Dear Mr. Johnson:

Enclosed is a report by John S. McNabb, Engineer U. S. Bureau of Mines and James J. Quinlan, Geologist, U. S. Geological Survey, on a field examination of the Black Magic property Madison County, Montana, A. A. MacDonald, E. T. Ettien, and P. D. Hanifen, pertners, Docket DMEA-2691 (manganese). The Field Team agrees with the conclusions of the report and recommends a denial because the grade of the manganese is low and the nature and size of the pod-like bodies are such that they cannot be considered economic.

By Field Team, Region II

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

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

Enclosure
cc: USBM (2)
Quinlan

MF-50

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 11-17-52

REFERRED TO:

1. ~~[illegible]~~
2.
3.
4.

FOR:

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

REMARKS: .....

Check (X) before the items needing attention.

Adams (AD)
Initials of sender.

GPO 16—63815-1

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1952

October 31, 1952

Memorandum

To: DMEA Field Team, Region II

From: John S. McNabb, Engineer, U. S. Bureau of Mines, and James J. Quinlan, Geologist, U. S. Geological Survey.

Subject: Field Examination, Docket No. DMEA 2691 (Manganese), A. A. McDonald, J. E. Ettien, and P. D. Hanifen, Partners, Black Magic Property, Madison County, Montana.

INTRODUCTION

The subject examination was made September 9, 1952 in connection with an application for exploration assistance made by A. A. McDonald, J. E. Ettien and P. D. Hanifen all of Philipsburg, Montana. The examining team was accompanied by A. A. McDonald and P. D. Hanifen.

The delay in submitting this report is due to the fact that assay returns of samples taken during the examination were not available until October 27, 1952.

RECOMMENDATIONS

It is recommended that the application be denied. The grade of the manganese "ore" is low and the nature and size of the pod-like bodies are such that they cannot be considered economic.

LOCATION AND ACCESS

The application states that the property is in Section 6, T. 7S., R. 4 W., M. P. M., Madison County, Montana. The workings, on the north side of Hinch Creek, are on the east flank of the Ruby range. Access to the property from Alder, Montana, the nearest point of supply and railhead, is by 3.4 miles of improved county road and 4.8 miles of unimproved mountain road.

PROPERTY

The property consists of three unpatented quartz lode mining claims, the Black Magic, Black Bonanza, and Black Maria.

The claims are owned by George A. Shields and E. L. Craddock of Twin Bridges, Montana. They are held under lease by the applicants; a copy of this lease agreement was filed with the application.

Mr. George Shields, one of the owners of the property, wrote this office October 10, 1952 inquiring as to whether a loan application had been filed on the Black Magic property. This letter stated that Mr. Shields does not approve of an application, and that he does not believe that the property merits a loan. The letter also implied that the applicants have not lived up to the terms of the lease. A copy of our reply to Mr. Shields is attached to this memorandum.

FINANCIAL AND ADMINISTRATIVE COMPETENCE OF APPLICANT

The application states that the project will be supervised by A. A. McDonald, 30 years of practical mining experience in the Philipsburg area, and P. D. Hanifen, 10 years' mining experience in the Philipsburg area.

Mr. McDonald is at present employed as a state liquor inspector, and Mr. Hanifen is County Attorney for Granite County, Montana.

HISTORY AND PAST PRODUCTION

Nothing is known of the early history of the property. The age and condition of the one adit indicates that this adit was driven years ago. The location notice on the Black Magic claim shows that Mr. Shields and Mr. Craddock located the claim in 1951.

There is no recorded production from the property.

MINE WORKINGS

A 43 foot adit has been driven and several shallow pits excavated to prospect the Black Magic claim. No workings were noted on the other claims. The relative position of the claims and workings are shown on the accompanying sketch map.

GEOLOGY

The claims are underlain by pre-cambrian marble and gneiss of the Cherry Creek formation.

Manganese occurs as small nodules and pods within shear

zones and within what is interpreted as a filled solution cavern. There is a notable concentration of manganese at the intersection of shearzones, forming small pod-like or lens-like ore bodies. The deposit appears to be similar in nature and origin to the Wigwam and Cherry Creek deposits described by J. T. Pardee.[1]

The principal manganese minerals are psilomelane and wad.

In pits No. 1 and No. 2 small nodules and pods of manganese occur within shear zones with notable concentration at the intersection of shear zones. The geology of these pits is shown on the sketch map accompanying this memorandum. A 4.2-foot sample across a zone at pit No. 1 assayed 6.8%Mn. A sample of a sorted ore pile, which is less than one ton in size, on the dump of this pit, assayed 12.2 percent Mn, 0.04 percent Cu, 0.15 percent Pb, 31.76 percent Si, and 0.13 percent Al_2O_3. A 5-foot sample from pit No. 2 across the best zone exposed on the property assayed 15.2 percent Mn.

In the adit no discernible structure was apparent. The adit is driven into what is interpreted as a filled solution cavern. The adit exposed what can best be described as a sedimentary dump similar in appearance to a fanglomerate. This sedimentary dump consists principally of unsorted boulder and fragments of marble, limestone and gneiss. Small nodules of psilomelane, approximately 1 percent of the mass, are scattered throughout.

EVALUATION OF PROPOSAL

The applicants propose to sink 100 feet of shaft and drive 100 feet of drift to explore the manganese outcrop at pit No. 2.

The grade of the manganese is low and the nature and size of the pod-like bodies are such that they cannot be considered economic. For these reasons, further exploration of the property at this time cannot be justified.

The applicants' estimated costs for the proposed project appear to be low. It is estimated that the shaft can be sunk for $4,000 or $40.00 per foot and drifting completed for $4,000 or $20.00 per foot. As the property appeared to have little merit, no attempt was made to work out more realistic cost estimates with the applicants.

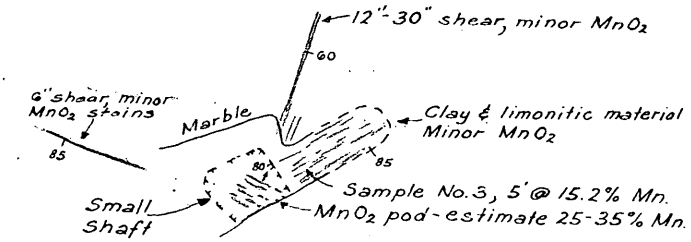
---

[1] Pardee, J. T., Some Manganese Deposits in Madison County, Montana, USGS Bull 690F, pp 133-139, 1918.

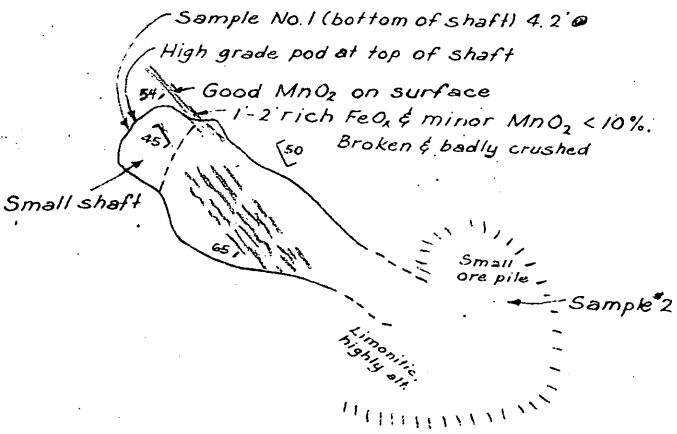
Enclosures
Dist: DMEA, Wash.- Orig. & 3
USBM (2)
USGS (SRO)
Quinlan
Docket

John S. McNabb, Engineer

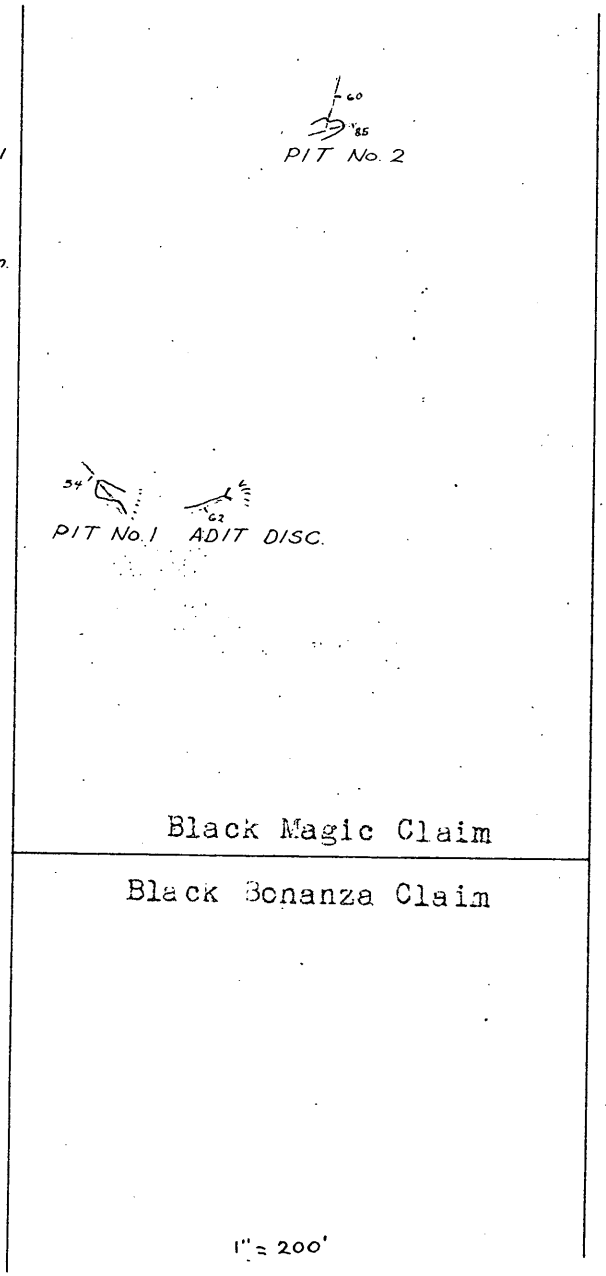
James J. Quinlan, Geologist



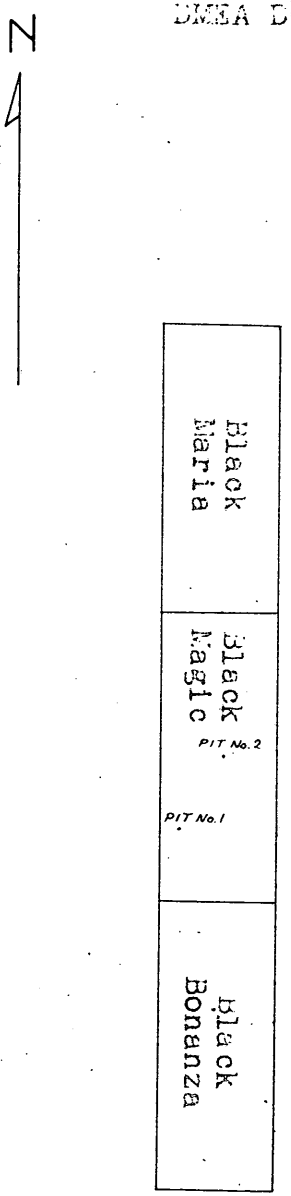
PIT No. 2
1" = 20'



PIT No. 1
1" = 20'



1" = 200'



Claim Group
1" = 1000'

SKETCH MAP BLACK MAGIC PROPERTY, MADISON COUNTY, MONTANA

CLAIM BOUNDARIES DIAGRAMMATIC
WORKINGS TIED TO SW COR. BLACK MAGIC
BRUNTON & TAPE SURVEY BY J. C. L. & J. S. McK., 1952

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

October 16, 1952

Mr. George A. Shields
Box 291
Twin Bridges, Montana

Dear Mr. Shields:

This is in reply to your letter of October 10, 1952 requesting information concerning an exploration loan on your Black Magic group of claims in Madison County, Montana.

An exploration loan application has been submitted by Mr. A. A. McDonald, Mr. J. C. Ettien, and Mr. P. D. Manifen to explore the Black Magicgroup of claims. The applicants are within their rights in submitting an application as they have obtained a lease on the property from you and Mr. Craddock.

We wish to advise that an application is no guarantee that a loan will be granted. Each application is given careful study by The Government to determine if the property merits a loan. Furthermore, the applicants would have to obtain from you and Mr. Craddock an "Owner's Consent to Lien" on the area of proposed exploration before a loan could be granted.

Apparently you do not believe that Mr. McDonald, Mr. Ettien, and Mr. Manifen have lived up to the terms of the lease. This is a matter between you and the leasee, but we wish to thank you for bringing this to our attention.

Yours truly

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

cc: DMEA (2)
USBM (2)
Quinlan

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

9/30/52

September 24, 1952

Mr. George C. Selfridge, Chief
Iron and Ferro-Alloy Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket no. DMEA 2691 - Manganese
A. A. McDonald, J. E. Ettien, and
P. D. Henifen, Partners
Black Magic Mine
Madison County, Montana

Dear Mr. Selfridge:

This will acknowledge your letter of September 22, 1952, in which you state that you are holding action on the subject application until you hear from the Field Team. This is to advise you that a field examination has been made. The final report will have to await receipt of assays of samples taken but it appears almost certain that a negative recommendation will be made.

Sincerely yours,

A. E. Weissenborn
emr

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

cc: USBM(2)
J. J. Quinlan

Copy retained 400

FILE COPY
SURNAME:

Chapman
Selfridge

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

SEP 22 1952

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

Re: Docket No. DMEA 2691 - Manganese
A. A. McDonald, J. E. Ettien,
and P. D. Henifen, Partners
Black Magic Mine
Madison County, Montana

Dear Mr. Weissenborn:

Your letter of August 29, 1952, advising us that a geologist would visit the property during the following week, has been received. We are holding any action on the application in abeyance until we hear further from you.

Enclosed find two copies of a memorandum by Mr. Max D. Crittenden of the U. S. Geological Survey.

Sincerely yours,

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

9.22.52

Enclosures

Copy to: Docket
Comm. Read File
Field Team, Reg. 2
G. C. Selfridge
Max D. Crittenden, USGS
W. W. Melcher, USBM

TLChapman:ls

IN REPLY REFER TO:

G-MD-CF

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

September 9, 1952

Memorandum

To: George C. Selfridge, DMEA

From: Max D. Crittenden

Subject: DMEA 2691, Manganese McDonald, Ettien & Hanifen
Philipsburg, Montana

The Geological Survey has no information about manganese deposits in that part of Madison County (sec. 6, T. 7 S., R. 4 W.) the applicants wish to explore. Nor do the applicants give sample or geologic data to substantiate their proposal. The information presented is scarcely sufficient to justify a field referral.

Max D. Crittenden Jr

Max D. Crittenden

Report due on field examination without referral
was expected about Sept. 6th 1952
GCS.

Copy retained

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. DMEA-2691
Metal or Mineral
Date Received 9-8-52
Estimated Cost
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:

(*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.

6, T. 7 S., R. 4 W.

5. Va. City

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise

Purchaser under contract.

(*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

None

(*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.*—State the mineral or minerals for which you wish to explore [illegible]

(*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. See [illegible]

(*c*) The work will start within 30 days and be completed within 8 months from the date of an exploration project contract. [illegible]

(*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. See [illegible]

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: See [illegible]

(*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.). See [illegible]

(*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. See [illegible]

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

(*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. See [illegible]

(*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. None

(*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. See [illegible]

(*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. See [illegible]

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. None

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?

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper. See [illegible]

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 _____, 195__

[illegible] McDonald, J. C. [illegible] and P. F. [illegible]
(Applicant)

By O. D. Harrison

A. G. McDonald

J. C. Ethen

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

ANNEX to MF-103 - Application for Aid In An Exploration Project, Pursuant to DMEA ORDER 1, Under the Defense Production Act of 1950, As Amended.

3.

(f) Black Magic - Recorded in Book 36 of Lode Locations at page 327, Madison County, Montana.

Black Bonanza-Recorded in Book 36 of Lode Locations at page 513, Madison County, Montana.

Black Maria -Recorded in Book 36 of Lode Locations at page 515, Madison County, Montana.

4. Physical description:

(a) Discovery shaft down approximately 6 ft. to 10 ft. and approximately 50 feet of cross-cut work has been done on property. Applicant's had no interest in these operations. Workings are readily accessible for examination purposes.

(b) None

(c) Several manganese blow-outs on this property which would indicate a sizeable deposit in the immediate vicinity. There is a 5 foot vein of manganese in the shaft heretofore mentioned.

(d) Access roads within 100 yards. Distance to ship approximately seven miles to the Railroad loading point. Supply and residence points available.

(e) Manpower, materials, supplies, equipment and water all available. No existing power facilities. Would have to use deisel or gasoline power.

5.

(a) Manganese

(b) Sink 100 feet of shaft and cross-cut 100 feet each way from shaft making a total of 200 feet of cross-cut work.

(c) Work will start within 30 days and be completed within 8 months, weather permitting.

(d) Experience of Applicants: A. A. McDonald - 30 years of practical mining experience in the Philipsburg vininity. F. D. Hanifen - 10 years mining experience in the Philipsburg mining vininity. Work will be supervised by the applicants herein.

6. Estimate of Costs:

Sinking 100 feet of shaft a. $20.00 per foot	$ 4000.00
Bulldozing and preliminary work	$ 1000.00
200 feet of cross-cut work	$ 4000.00
Total	$ 9000.00

(a) None. Work will be done on a day's pay basis.

(b) Labor: Union wages to be paid. 3 miners a. $14.47 per day
Supervisors will be the applicants.
Consultants - None.

I want one of these two!

6.

(c) Operation Materials and Supplies:

Small tools, picks, shovels, track bolts, spikes, cable, air hoses, water hoses, steel and bits and other miscellaneous mining supplies.

(d) Operating Equipment:

1 - 4x4 truck with wench and dump box	$1000.00
1 - Sullivan 7½ horse-power slusher	750.00
1 - Sullivan Air Hoist	500.00
1 - Ingersol-Rand Timber Hoist	250.00
9 - Mining cars	350.00
1 - 105 cubic foot Compressor	500.00
1 - Ingersol-Rand Stoper	350.00
2 - Gardiner-Denver 5-55 Sinkers	200.00
1 - Receiving Tank and 1 water tank	100.00

(e) None

(f) New Buildings, improvements, installations:

1 - Engine Room and Dry combined	$ 250.00

(g) Miscellaneous:

Analytical work	$ 100.00
Accounting - None	
Workmen's Compensation. Est	560.00
Employment Liability Insurance. Est	120.00
Payroll Taxes. Est	170.00

(h) Contingencies: None

7. (a) Yes.

(b) Use of Equipment owned by applicants; also prepared to put up money if necessary.

Mr. A. A. McDonald
Philipsburg
Montana

Subject: DMEA-2691
Re: Exploration Assistance
Black Magic Mine, etc.
September 9, 1952

My dear Mr. McDonald:

The receipt of your application dated August 14, 1952, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2691 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-2691 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

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

25451

DMEA-2691

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

So. 157 Howard Street
Spokane 4, Washington

August 29, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Washington 25, D. C.

Re: Application - Manganese
A. A. McDonald, J. C. Ettien,
P. D. Hanifen, Partners
Madison County, Montana

Dear Mr. Johnson:

Enclosed are three copies of an application for exploration assistance from the above-referenced partners. Also enclosed is one copy of Lease and Option dated June 7th, 1952.

The applicants were requested by letter of August 25 to complete form MF-203 "Owner's Consent to Lien". As soon as these are completed we shall mail them to you. One copy of the application has been retained in this office. We expect to have a geologist in the area next week, so a field examination is scheduled ahead of referral from your office.

Very truly yours,

Thor H. Kiilsgaard

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

Enclosures
As Above

cc: USBM (2)
Quinlan w/encl.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
AUG 14 1952
U.S.G.S.
SPOKANE, WASH.

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. DMEA-2691
Metal or Mineral
Date Received 9-8-52
Estimated Cost
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: A. A. McDonald, J. C. Ettien and P. D. Hanifen, Philipsburg, Montana (Partnership)

(*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 3 unpatented mining claims in Section 6, Township 7 South, Range 4 West, M.P.M., Madison County, Montana.

(*b*) State any mine name by which the property is known. Black Magic, Black Bonanza, Black Maria situated in Hinch Creek unorganized mining district.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Purchaser under contract.

(*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. copy of agreement attached.

(*e*) If you own the land, describe any liens or encumbrances on it None

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

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. See annex

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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. See annex

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

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

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See annex

5. *The exploration project.*—(*a*) [redacted]e the mineral or minerals for which you wis[redacted] 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. See annex

(*c*) The work will start within 30 days and be completed within 8 months from the date of an exploration project contract, weather permitting.

(*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. See annex

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: See annex

(*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.). see annex

(*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. See annex

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

(*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. See annex

(*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. None

(*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. See annex

(*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. See annex

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. None

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?

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper. See annex

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 _____, 195__

A. A. McDonald, J. C. Ettien and P. D. Hanifen
(Applicant)

By P. D. Hanifen
A. A. McDonald
J. C. Ettien

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

ANNEX to MF-103 - Application for Aid In An Exploration Project, Pursuant to DMEA ORDER 1, Under the Defense Production Act of 1950, As Amended.

3.

(f) Black Magic - Recorded in Book 36 of Lode Locations at page 327, Madison County, Montana.

Black Bonanza-Recorded in Book 36 of Lode Locations at page 513, Madison County, Montana.

Black Maria -Recorded in Book 36 of Lode Locations at page 515, Madison County, Montana.

4. Physical description:

(a) Discovery shaft down approximately 6 ft. to 10 ft. and approximately 50 feet of cross-cut work has been done on property. Applicant's had no interest in these operations. Workings are readily accessible for examination purposes.

(b) None

(c) Several manganese blow-outs on this property which would indicate a sizeable deposit in the immediate vicinity. There is a 5 foot vein of manganese in the shaft heretofore mentioned.

(d) Access roads within 100 yards. Distance to ship approximately seven miles to the Railroad loading point. Supply and residence points available.

(e) Manpower, materials, supplies, equipment and water all available. No existing power facilities. Would have to use deisel or gasoline power.

5.

(a) Manganese

(b) Sink 100 feet of shaft and cross-cut 100 feet EACH way from shaft, making a total of 200 feet of cross-cut work.

(c) Work will start within 30 days and be completed within 8 months, weather permitting.

(d) Experience of Applicants: A. A. McDonald - 30 years of practical mining experience in the Philipsburg vicinity. P. D. Hanifen - 10 years mining experience in the Philipsburg mining vicinity. Work will be supervised by the applicants herein.

6. Estimate of Costs:

Sinking 100 feet of shaft a. $20.00 per foot	$ 4000.00
Bulldozing and preliminary work	$ 1000.00
200 feet of cross-cut work	$ 4000.00
Total	$ 9000.00

(a) None. Work will be done on a day's pay basis.

(b) Labor: Union wages to be paid. 3 miners a. $14.47 per day
Supervisors will be the applicants.
Consultants - None.

6.

(c) Operation Materials and Supplies:

Small tools, picks, shovels, track bolts, spikes, cable, air hoses, water hoses, steel and bits and other miscellaneous mining supplies.

(d) Operating Equipment:

1 - 4x4 truck with wench and dump box	$1000.00
1 - Sullivan 7½ horse-power slusher	750.00
1 - Sullivan Air Hoist	500.00
1 - Ingersol-Rand Timber Hoist.....	250.00
9 - Mining cars.....	350.00
1 - 105 cubic foot Compressor.....	500.00
1 - Ingersol-Rand Stoper.....	350.00
2 - Gardiner-Denver 5-55 Sinkers.....	200.00
1 - Receiving Tank and 1 water tank.....	100.00
	$4000.00

(e) None

(f) New Buildings, improvements, installations:

1 - Engine Room and Dry combined.....	$ 250.00

(g) Miscellaneous:

Analytical work.....	$ 100.00
Accounting - None	
Workmen's Compensation..Est.....	560.00
Employment Liability Insurance. Est.....	120.00
Payroll Taxes...Est.....	170.00

(h) Contingencies: None

7. (a) Yes.

(b) Use of Equipment owned by applicants; also prepared to put up money if necessary.

LEASE AND OPTION

This lease, made the 2d day of June, 1952, between E. L. Craddock, also known as E. D. Craddock or C. L. Craddock, and George A. Shields of Twin Bridges, Montana, Lessors and A. A. McDonald, P. D. Eanifen and J. C. Ettien, of Philipsburg, Montana, Lessees, Witnesseth:

That the said Lessors, for and in consideration of the rents, royalties, covenants, and agreements hereinafter reserved, and by the said Lessees to be paid, kept, and performed, has let, and by these presents do let, unto the said Lessees, all the following described mine and mining property, situated in the Hinch Creek (Hench Creek) Mining District, County of Madison, State of Montana, to-wit:

> Black Magic Lode Mining Claim as described in that certain Certificate of Location dated October 13, 1951, filed for record on the 15th day of October, 1951 at 11:45 o'clock A.M. and recorded in Book 36 of Lode Locations at page 327 of the Lode Records of Madison County, Montana, in the office of the Clerk and Recorder, Court House, Virginia City, Montana; together with the appurtenances.

To have and to hold unto the said Lessees for the term of ten (10) years from the date hereof, expiring on the 2d day of June, 1962, unless sooner forfeited as determined.

And in consideration of the said lease, the said Lessees do covenant and agree with said Lessors as follows, to-wit:

To enter upon said mine ~~upon said mine~~ or premises 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 as a workable mine.

To well and sufficiently timber said mine at all points where proper, and to repair all old timbering wherever it may become necessary.

To allow said Lessors and their agents to enter upon and into all parts of said mine for the purpose of inspection.

To not assign this lease, or any interest thereunder, and to not sublet the said premises or any part thereof, without the written assent of said Lessors, and to not allow any person or persons except the said Lessees and their workmen to take or hold possession of said premises, or any part thereof, under any pretense whatever.

To occupy and hold all cross or parallel lodes, 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 lode known as the Black Magic Lode, or by the said Lessees, or any person or persons under them, in any manner, at any point within three hundred (300) feet of the center line of said lode, as the property of said Lessors, with privilege to said Lessees of working the same as an appurtenance of said demised premises, during the term of this lease, and to not locate or record the same, or allow the same to be located or recorded, except in the name of said Lessors.

To keep at all times the drifts, shafts, tunnels, and other passages and workings of said demised premises thoroughly drained and clear of loose rock and rubbish of all kinds.

To keep books of account showing the amount of ores extracted from said mine, the amount of ore shipped, sold, or treated, and the amount of money received from the sale of said ores or the values extracted therefrom; that from and out of the values obtained from the ores so extracted, and which may be found in, upon, or around said mine, and reduced, treated, sold, or shipped, the said Lessees will pay to the said Lessors, ten (10) percent of the net proceeds thereof, and deliver to said Lessors, at the end of the term, ten (10) percent of all ores extracted from said mine and which have not been shipped, sold, treated, or reduced; that a duplicate of all mill, smelter, or retort returns, shall be furnished by the mill owner, or by the owner of the smelter or retort, to the said Lessors; and that said books of account shall be open, at all reasonable times, to the said Lessors and their representatives. Said Royalty payment to be deducted and paid to said Lessors by the Smelter or by any other purchaser.

To deliver up to the said Lessors the said premises, with the appurtenances and all improvements, in good order and condition, with all shafts and tunnels and other passages thoroughly clear of rubbish and drained, and the mine in all points ready for immediate continued working, accidents not arising from negligence alone excusing, without demand or further notice, on said 7th day of June, 1962, at noon, or at any time previous, upon demand for forfeiture.

And finally, upon the violation by the said Lessees, or any other person under them, of any covenant or covenants hereinbefore reserved, the term of this lease shall, at the option of said Lessors, become forfeited to said Lessors, and said Lessors or their a ents may thereupon, after demand of possession, enter upon said premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of said Lessors or in any other manner.

During the term hereof Lessees shall have the right to purchase said mining premises upon the payment to Lessors the sum of Two Thousand Dollars ($2000.00), and it is agreed that, in the event of the exercise of this option to purchase, all royalties paid hereunder shall be credited to and be included as a part of said purchase price of Two Thousand Dollars ($2000.00). Upon the payment of the purchase price Lessors agree to convey a merchantable title to said premises to said Lessees (Purchasers).

It is understood that Lessees are contemplating and intend to apply for a U. S. Government D.M.A. loan for the purpose of financing the exploration and development of said property. In this connection, Lessors agree to sign subordination agreements and other necessary papers which may be required by the United States Government, in order to complete the application and processing and procuring of said D.M.A. loan. This provision is also extended to include the procuring of a D.M.A. production loan should the Lessees make application for the same.

It is understood and agreed that, in the event of the termination of this lease and option for any reason, Lessees shall have a reasonable time within which to remove all their mining machinery, equipment and supplies, including rails, from said mining premises.

Each and every clause and covenant of this lease, where the context requires it, shall extend to and include the heirs and assigns of the Lessors, and the executors, administrators, and assigns of the Lessees.

Witness our hands and signatures this 7th day of June, 1952.

E. L. Craddock

Geo. R. Shields

LESSORS

A. A. McDonald

P. D. Hanifen

J. C. Ethien

LESSEES

STATE OF MONTANA)
: SS.
County of Madison)

On this 7th day of June, 1952, before me, a Notary Public for the State of Montana, personally appeared E. L. Craddock, also known as E. D. Craddock and C. L. Craccock, and George A. Shields, of Twin Bridges, Montana, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

In Witness Whereof I have hereunto set my hand and affixed my Notarial Seal the day and year first above written.

M. Sanders
Notary Public for the State of Montana
Residing at Twin Bridges, Montana.
My Commission Expires May 11, 1955.

(Notarial Seal)

STATE OF MONTANA)
: SS.
County of Granite)

On this 7th day of June, 1952, before me, a Notary Public for the State of Montana, personally appeared A. A. McDonald, P. D. Hanifen and J. C. Ettien of Philipsburg, Montana, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

In Witness Whereof I have hereunto set my hand and affixed my Notarial Seal the day and year first above written.

(District Court Seal)

E. J. Donnelly, Clerk of District Court
~~Notary Public for the State of Montana.~~
~~Residing at~~ _____
~~My Commission expires~~ _____.