DMA Form 1 Code 700 46 40

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1742 X

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EXPLORATION

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

Routing Slip

To:	Copper Branch	Date	7-3-51
To:	Mails & Files	Date	3-18-52 ✓
To:	Oper. Committee	Date	4-~~17~~ 22-52
To:	Mr. Mittendorf	Date	
To:	Mails & Files	Date	
To:	(Docket) Ellis	Date	
To:	Oper Com	Date	11-28-52
To:	Oper Comm	Date	3-27-53
To:		Date	
To:		Date	
To:		Date	
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To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

700 FILE COPY
SURNAME:

FL Kouse
Ellis
Kinkel
Hedges
Johnson
Fitzmaurice

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

Mr. William Mason
2165 Center Drive
Butte, Montana

MAR 30 1953

Re: Docket No. MA-1783X (Copper)
Bernice Group of Mining Claims
Jefferson County, Montana

J.C. 3/30/53

Dear Mr. Mason:

Reference is made to your application for Government aid on the proposed captioned project estimated to cost $26,400.00.

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

A careful study of your application and data available to this Agency, and an examination of the accessible workings of your property, reveal that the probability of disclosing minable reserves by your proposed exploration program is not believed to be sufficiently encouraging to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

If future work at your property reveals evidence which could materially alter this opinion, please be assured that we will be glad to consider a new application.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

GLAult/FLKouse/eef
3/25/53
cc ~~tp~~ Docket
Adm. Reading File
Region II (2)
Operating Committee

Messrs. MRKinkle, Rm.4234 GSA
CHJohnson Rm. 3621
Ellis
FLKouse

1783 X

Applicant gives location of Mine as "2 mi. W of Wickes, Mont — R4W T7N Sec. 17, 18, 19, 20

Yet he quotes from USGS Bull # 842 a description of The Salvail Mine (p.237), which is located in R4W T7N Sec 19 & 30 & claims This is a description of his property, known as lode claims Bernice I Thru VI.

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

March 24, 1953

SUMMARY OF PROPOSED PROJECT

Docket No. DMA-1783X
Applicant: William Mason
Subject: Denial of application
Commodity: Copper
Location of property: Bernice Group of Mining Claims, Jefferson County, Montana (Region II)
Amount of application: $26,400.00
Date of application: June 4, 1951
Outline of project:

Proposed project consists of reopening the Salvail Adit to the Salvail Vein (a distance about 850 feet), then reopening the drift along the Salvail Vein (about 500 feet), mine and ship the ore, if any, remaining above the adit level; and extend the drift along the Salvail Vein. (Information: USGS Bull. 842 and Field Team gained by examination and conference with Operator.)

(1) "The 'vein' 250 feet from the portal, which is a 60-foot wide fractured zone cut by sporadic thin seams of quartz and sparse pyrite that has been oxidized to limonite, does not warrant additional exploration.

(2) "The ore from the inaccessible main vein, judged from the pieces left on dump, is a complex mixture of pyrite, arsenopyrite, galena and sphalerite. Bull. 842 reports vein to average 5 feet wide and to contain ore shoots as much as 3 feet wide, but of unspecified lengths of vertical extent or grade."

Settlement sheet shows a shipment of 10 cars of ore through December 1929, containing 1.84% to 3.4% cu; 13.9 to 28.4 oz Ag; and 0.31 to 0.40 oz. Au./Ton.

The adit is caved 325 feet from the portal. Because of the limited information on the inaccessible workings, the Applicant promised to supply production records, maps of workings and an engineer's report as justification for the proposed work; however, he later advised he had reopened the adit to the Salvail Vein and requested that another examination be made by the Field Team. However, when the Field Team arrived at the property the adit had caved. Since that time the Applicant promised to reopen the caved area and advise when an examination could be made. As several

attempts have been made to examine this property and at no time the workings were accessible, the application is denied exploration and until accessability to the workings is made or an engineer's report that justifies the work is made available.

Field Team Report: The first Field Team report, dated August 1, 1952, recommended denial of the application since the applicant failed to supply adequate information to supplement the application. However, before the application was denied, the Applicant, by written request, asked that it be held open until the end of October, 1952, to allow additional time to rehabilitate the tunnel in order that an inspection of the workings could be made. Request was granted. Following notice by the Applicant that the work was completed, Region II was requested by the Washington Office to make a re-examination of the property. However, when a representative of the Field Team visited the mine on January 21, 1953, no recent attempt had been made to reopen the tunnel.

Recommendations:

George E. Becraft, Geologist, USGS, recommended to the Field Team that the application be denied, and the applicant be informed that it will be reconsidered if he opens the adit to permit an examination of the vein, in which the Field Team concurred in its memorandum of February 19, 1953.

Commodity Members' comments:

Bureau of Mines: C. H. Johnson, memorandum March 18, 1953.

Concurs in denial.

Geological Survey: Erwin J. Lyons, March 2, 1953.

Concurs in denial.

Rare & Misc. Metals Division Engineer: F. L. Knouse

Comments: Denial letter written, justified by above data.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare & Misc. Metals Division

3/19/53 gla

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

March 18, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 18 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Chief Base Metals Branch

Subject: DMEA-1783 (Copper), William Mason, Bernice Group, Jefferson County, Montana

I have noted the undated memorandum report by George E. Becraft, on the above-named application, transmitted to the Operating Committee February 19, 1953. It seems clear that no examination can be made until the workings are opened, so it becomes a matter of administrative policy whether you hold application indefinitely in abeyance, or cancel with an expression of willingness to consider a new application at some future time. I'll be glad to concur in the latter if you so decide.

C. H. Johnson

C. H. Johnson

Copy to - Mr. A. R. Kinkel, Jr., Room 4234, GSA
Minerals Division
Mr. Johnson
Files

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

March 18, 1953

Memorandum

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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C. H. JOHNSON

C. H. Johnson

CHJohnson:ks

Copy to - Mr. A. R. Kinkel, Jr., Room 4234, GSA
Minerals Division
Mr. Johnson
Files

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

March 18, 1953

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C. H. Johnson

CHJohnson:ks

Copy to - Mr. A. R. Kinkel, Jr., Room 4234, GSA
Minerals Division
Mr. Johnson
Files

3-3-53 fem

IN REPLY REFER TO:

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

March 2, 1953

Memorandum

To: Mr. E. Wm. Ellis

From: Erwin J. Lyons

Subject: Recommendation for denial

Re: Docket DMEA-1783
William Mason
Bernice group of claims
Jefferson County, Montana
Total cost: $26,400
Copper

The field team report on subject property has been reviewed. Several attempts were made by the examining team to look over the property during the past year, but at no time were the workings accessible. Furthermore, the applicant stated that he probably would not be able to open the adit in the near future.

The reviewer concurs with the field team's recommendation that the application be denied, but that the applicant be informed that if the workings are made accessible, the application would be reconsidered at his request.

Erwin J. Lyons

Erwin J. Lyons
Geologist

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

March 2, 1953

Memorandum

Re: Docket DMEA-1783
William Mason
Bernice group of claims
Jefferson County, Montana
Total cost: $26,400
Copper

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Erwin J. Lyons
Geologist

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

March 2, 1953

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From: Erwin J. Lyons

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Erwin J. Lyons
Geologist

2/25/53 gla

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

February 19, 1953

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

Re: Docket DMA-1783 (Copper)
Bernice Group of Claims
Jefferson County, Montana

Dear Mr. Selfridge:

Enclosed are copies of a memorandum by George E. Becraft recommending denial of the subject application.

Several attempts have been made to examine the Bernice property during the past year but at no time was the mine open. A copy of a letter from the applicant, received at this office on December 1, 1952, advised that the property would be accessible after December 8 and requested an examination be made at that time. Mr. R. A. Weeks, U. S. Geological Survey, called the applicant on December 16 to schedule an examination but was informed that the tunnel had sloughed shut and could not be examined. At that time the applicant stated that he would try and have the tunnel reopened by January 1. When Mr. Becraft visited the mine on January 21, no recent attempt had been made to reopen the tunnel. Moreover, the applicant advised that he would probably be unable to reopen the tunnel in the near future.

In view of the fact that the tunnel has not been made accessible for examination, coupled with the strong possibility that the drift leading off the tunnel will also be caved and will require extensive rehabilitation before it can be examined, it is recommended that the application either be held in abeyance in the inactive file until the mine workings are accessible or else denied. If the application is denied, the applicant might be advised that this application will be reconsidered if he can make his property accessible to examination.

By DMEA Field Team, Region II

M. E. Volin

M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

Thor H. Kiilsgaard

Thor H. Kiilsgaard, Acting Member
(U. S. Geological Survey)

Reviewed by
DMEA OPERATING COMMITTEE

2-27-53
(date)

Enclosure
cc: USBM (2)
Becraft

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

MEMORANDUM

To: Field Team, Region II, DMEA

From: George E. Becraft, Geologist
U. S. Geological Survey

Subject: Re-examination of Bernice Group of Claims, Jefferson County, Montana, Docket No. DMEA-1783X (Copper-Lead)

RECOMMENDATIONS

It is recommended that the application submitted by Mr. William Mason, 2165 Center Drive, Butte, Montana, for an exploration loan on the Bernice Group of Claims, Jefferson County, Montana, be denied. However, it is also recommended that the applicant be notified that the application may be reconsidered if in the future he succeeds in reopening the adit so that an examination of the vein exposed in the crosscut can be made.

On January 21, 1953, the property was visited by myself and Darrell M. Pinckney, U. S. Geological Survey, accompanied by the applicant. We were unable to examine the adit any further than Klepper and Erickson did on May 5, 1952. (See memorandum, Klepper to Weissenborn, June 13, 1952.) The applicant did try to open the adit but was unable to keep it open and failed to notify the Field Team in time to permit an examination during the few days before it caved again.

The applicant had succeeded in obtaining some shipping records. A copy of the letter to Mr. Mason from Mr. E. Hogan, Labor Commissioner, Anaconda Copper Mining Company, in which he lists the shipments to the Washoe Sampler at Butte is attached to this memorandum.

The applicant stated that he probably would not be able to open the adit to permit a thorough examination in the near future, therefore, it is recommended that the application be denied, and the applicant be informed that it will be reconsidered if he opens the adit to permit an examination of the vein.

Enclosure
Distribution:
DMEA(Orig.&3)
USBM(2)
Docket
Becraft

George E. Becraft

Reviewed by
DMEA OPERATING COMMITTEE
2-27-53
(date)

ANACONDA COPPER MINING COMPANY

P. O. BOX 1959
BUTTE, MONTANA

E. HOGAN
LABOR COMMISSIONER

January 5, 1953

Mr. William Mason,
2165 Center Drive,
City.

Dear Bill:

The information requested by you in the following statements:

"Check records shipment of several cars ore from Salvail Mine, Jefferson County in 1928. Shipper, Dr. Salvail."

"Also shipments from same mine during period 1930-1931 by Hugh Lilas and Oscar Tangren."

is as follows:

Date	RR Cars	Copper	Silver	Gold
May-1928	1	3.44	24.4	0.36
June "	1	3.24	24.0	0.33
July "	1	2.66	24.4	0.35
Aug. "	1	2.23	22.2	0.32
Sept. "	1	2.22	17.2	0.36
Oct. "	1	1.84	14.2	0.35
Nov. "	1	2.32	14.4	0.33
July 1929	1	2.80	22.6	0.40
Oct. "	1	2.14	19.0	0.43
Dec. "	1	2.02	13.9	0.31
TOTAL	10			

This is the complete list of shipments to the Washoe Sampler at Butte, Montana. The Washoe Sampler has not received any ore from the Salvail Mine, Jefferson County, Montana, since December, 1929.

3-4-53 jem

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

So. 157 Howard Street
Spokane 4, Washington

February 19, 1953

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

Re: Docket DMEA-1783 (Copper)
Bernice Group of Claims
Jefferson County, Montana

Dear Mr. Selfridge:

Enclosed are copies of a memorandum by George E. Becraft recommending denial of the subject application.

Several attempts have been made to examine the Bernice property during the past year but at no time was the mine open. A copy of a letter from the applicant, received at this office on December 1, 1952, advised that the property would be accessible after December 8 and requested an examination be made at that time. Mr. H. A. Weeks, U. S. Geological Survey, called the applicant on December 16 to schedule an examination but was informed that the tunnel had sloughed shut and could not be examined. At that time the applicant stated that he would try and have the tunnel reopened by January 1. When Mr. Becraft visited the mine on January 21, no recent attempt had been made to reopen the tunnel. Moreover, the applicant advised that he would probably be unable to reopen the tunnel in the near future.

In view of the fact that the tunnel has not been made accessible for examination, coupled with the strong possibility that the drift leading off the tunnel will also be caved and will require extensive rehabilitation before it can be examined, it is recommended that the application either be held in abeyance in the inactive file until the mine workings are accessible or else denied. If the application is denied, the applicant might be advised that this application will be reconsidered if he can make his property accessible to examination.

Reviewed by
DMEA OPERATING COMMITTEE

2-27-53
(date)

By DMEA Field Team, Region II

M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

Thor H. Killingsard, Acting Member
(U. S. Geological Survey)

Enclosure
cc: USBM (2)
Becraft

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

MEMORANDUM

To: Field Team, Region II, DMEA

From: George L. Decraft, Geologist
U. S. Geological Survey

Subject: Re-examination of Bernice Group of Claims, Jefferson County, Montana, Docket No. DMEA-1783X (Copper-Lead)

RECOMMENDATIONS

It is recommended that the application submitted by Mr. William Mason, 2165 Center Drive, Butte, Montana, for an exploration loan on the Bernice Group of Claims, Jefferson County, Montana, be denied. However, it is also recommended that the applicant be notified that the application may be reconsidered if in the future he succeeds in reopening the adit so that an examination of the vein exposed in the crosscut can be made.

On January 21, 1953, the property was visited by myself and Darrell M. Pinckney, U. S. Geological Survey, accompanied by the applicant. We were unable to examine the adit any further than Klepper and Erickson did on May 5, 1952. (See memorandum, Klepper to Weissenborn, June 13, 1952.) The applicant did try to open the adit but was unable to keep it open and failed to notify the Field Team in time to permit an examination during the few days before it caved again.

The applicant had succeeded in obtaining some shipping records. A copy of the letter to Mr. Mason from Mr. E. Hogan, Labor Commissioner, Anaconda Copper Mining Company, in which he lists the shipments to the Washoe Sampler at Butte is attached to this memorandum.

The applicant stated that he probably would not be able to open the adit to permit a thorough examination in the near future, therefore, it is recommended that the application be denied and the applicant be informed that it will be reconsidered if he opens the adit to permit an examination of the vein.

Enclosure
Distribution:
DMEA(Orig.&3)
USGS(2)
Docket
Decraft

George L. Decraft

Reviewed by
DMEA OPERATING COMMITTEE
2-27-53
(date)

ANACONDA COPPER MINING COMPANY

P. O. BOX 1059
BUTTE, MONTANA

E. HOGAN
LABOR COMMISSIONER

January 5, 1953

Mr. William Mason,
2165 Center Drive,
City.

Dear Bill:

The information requested by you in the following statements;

"Check records shipment of several cars ore from Salvail Mine, Jefferson County in 1928. Shipper, Dr. Salvail."

"Also shipments from same mine during period 1930-1934 by Hugh Lilse and Oscar Tangren."

is as follows:

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

December 31, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 19 1953

Memorandum

To: DMEA Field Team, Region II

From: R. A. Weeks, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA 1783 (Copper), William Mason, Bernice group, Jefferson County, Montana

By correspondence and a telephone conversation I had planned on making an inspection of the Mason's property on December 17. On the evening of December 16, I called Mr. Mason to make arrangements for the examination, but when I got in touch with him he informed me that the old Salvail tunnel which he has been rehabilitating had sloughed in the night of December 15. He reported that the sloughing occurred as a result of using steel rails in his spiling operations, instead of using normal spiling timber. The rails were not sufficiently large to prevent the loose ground from running. Realizing this, he was obtaining spiling timber, and believed that he could catch up the loose ground by about January 1.

I informed Mr. Mason that at the time of the next monthly inspection, we would contact him, and if the tunnel was open at that time, we would make the examination.

Robert A. Weeks
Robert A. Weeks
Geologist

Dist:
DMEA (Orig. & 3)
USBM (2)
Docket
Weeks

1/21/53 gla

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

December 31, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 19 1953

Memorandum

To: DMEA Field Team, Region II

From: R. A. Weeks, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA 1783 (Copper), William Mason, Bernice group, Jefferson County, Montana

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Robert A. Weeks
Geologist

Dist:
DMEA (Orig. & 3)
USBM (2)
Docket
Weeks

FILE COPY
SURNAME:

F.L. Knouse.

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

NOV 28 1952

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

Re: Docket No. DMA-1783 (Copper)
William Mason
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Weissenborn:

Enclosed is a copy of a letter from Mr. William Mason dated November 19, 1952, stating the underground workings in his mine have been made accessible for an examination. Therefore, kindly schedule another field examination of this project.

Sincerely yours,

(signed) FRANK E. JOHNSON
(JHB)
Chairman, Operating Committee

11-28-52

Enclosures

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

G. R. Kinkel, Jr. (JHB)
Member, Geological Survey

FLKnouse/jem
11/28/52
cc to: Adm. Reading File
Docket
Messrs. CHJohnson-3621
ARKinkel-4234 GS
Ellis Knouse
Opr. Com.
Field Team, Region II

700

FILE COPY
SURNAME:

F L Knouse
Johnson
Nettendorf

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

NOV 28 1952

Mr. William Mason
2165 Center Drive
Butte, Montana

Re: Docket No. DMA-1783X (Copper)
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Mason:

We acknowledge receipt of your letter dated November 19, 1952, which was received by this office on November 26, advising that you have completed the work which makes the underground workings of your mine accessible for re-examination.

We are referring a copy of your letter to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 8, Washington, requesting that he make arrangements for the re-examination in accordance with the time suggested in your letter.

Sincerely yours,

Signed

F. L. Knouse
For: Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

S.H.
11-28-52

GLAult/FLKnouse/gla
11-28-52
cc to: Adm. Reading File
Docket
Messrs. C. H. Johnson, Rm. 3621
A. R. Kinkel, Rm. 4234 GSA
Knouse
DMEA Field Team, Region II (2)

11/26/52 glc

INTERNATIONAL UNION
MINE, MILL AND SMELTER WORKERS

WILLIAM MASON
BOARD MEMBER DISTRICT NO. 1
12 WEST BROADWAY
BUTTE, MONTANA

2165 Center Drive
November 19, 1952

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division

Re: Docket No. DMA-1783X (Copper)
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Ellis:

Please be informed that the work involved in rendering the workings in my mine accessible, for which I had requested and obtained from you additional time on my application for an exploration loan, is now completed.

It will ~~not~~ be possible for Mr. E. Erickson of the U. S. Bureau of Mines in Spokane or such representatives as your organization may designate to inspect the workings and determined whether my application can be considered.

May I suggest that Mr. Erickson or whoever is to inspect the workings plan on visiting the mine sometime after December 8th as I must go to Wyoming and Colorado and may not return to Montana prior to December 8th. In the event you decide to inspect the workings prior to December 8th I can make arrangements to have my brother Joseph, who is familiar with the workings, on hand.

Thanking you for the extension of time which enabled me to clear out the tunnel, I am

Very truly yours,
William Mason
William Mason

WM/abm

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 26 1952

FILE COPY
SURNAME:

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

F.L. Knouse
Ellis
Matteucci

NOV 4 1952

Mr. William Mason
2165 Center Drive
Butte, Montana

Re: Docket No. DMA-1783A (Copper)
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Mason:

This acknowledges receipt of your telegram dated November 1, 1952.

It is noted that because of the pilferage of certain mining equipment that your program of making the underground workings accessible for an examination by this Agency's engineers will be delayed an additional 2[illegible] days and you request that we allow you this additional time.

The additional time you have requested is being allowed, however upon the completion of this work, kindly advise this office and the Spokane office accordingly.

Sincerely yours,

Signed

11-4-52

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

FLKnouse/jem
11/3/52
cc to: Adm. Reading File
Docket
Messrs. CHJohnson-3621
ARKinkel-5214 OGA
Ellis Knouse
Field Team, Region II (2)

700 FILE COPY
SURNAME:

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

F.L. Knouse
Ellis
Mott

SEP 2 1952

Mr. William Mason
2165 Center Drive
Butte, Montana

Re: Docket No. DMA-1783X (Copper)
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Mason:

When Mr. M. R. Klepper examined the proposed captioned project (May 5, 1952) he requested that the production record and maps of the mine be submitted to him. This information is necessary to complete the processing of your application.

Inasmuch as the required information has not been received, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data has not been received by September 30, 1952, we will then consider the docket closed.

Sincerely yours,

S.H. 9-2-52

Signed

Ernest Wm. Ellis, Chief
Rare and Exotic Metals Division

FLKnouse/gla 8-29-52
cc to: Adm. Reading File
Docket
Messrs. Ned Nelson, Rm. 4216 GSA
C.H.Johnson, Rm. 3621
Ellis
Knouse
DMEA Field Team, Region II (2)

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

FX-1201

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED 1952 NOV 1 AM 1 30
NOV 3 1952

0A405 PRB768

PR.BUA271 NL PD=BUTTE MONT 31=

ERNEST WILLIAM ELLIS=

DEFENSE MINERALS EXPLORATION ADMN DEPT OF INTERIOR WASHDC=

=REHABILITATION OF TUNNEL REFERRED TO DOCKET NUMBER IMA-1783X COPPER BERNICE MINE JEFFERSON COUNTY MONTANA DELAYED DUE TO RECENT THEFT OF MINE RAILS. RESPECTFULLY REQUEST ADDITIONAL 20 DAYS TO MAKE WORKINGS ACCESSIBLE. HAVE WIRED SPOKANE OFFICE=

WILLIAM MASON=..

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

700

FILE COPY
SURNAME:

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

F L Knouse
Ellis
F Johnson

SEP 23 1952

Mr. William Mason
2165 Center Drive
Butte, Montana

Re: Docket No. DMA-1783X (Copper)
Bernice Group of mining claims
Jefferson County, Montana

Dear Mr. Mason:

Your letter of August 31, 1952, addressed to Mr. E. Erickson of the U. S. Bureau of Mines, Spokane, Washington, requesting that your application be held open until the end of October, has been referred to this office for reply.

We note that you plan to rehabilitate the tunnel so that an inspection of the workings can be made and that you expect to have this work done by the end of October. We wish to cooperate with you in allowing sufficient time to complete this work and will hold your application open until October 30 as you requested. If, in the meantime, these underground workings are made accessible to the mineralization, please advise both this office and the Spokane office of your findings.

Sincerely yours,

9-23-52

signed cc

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

FLKnouse/gla 9-22-52
cc to: Adm. Reading File
Docket
Messrs. Ned Nelson, Rm. 4216 GSA
C.H.Johnson, Rm. 3621
Ellis
Knouse
DMEA Field Team, Region II (2)

9-22-52 fem

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

1201 N. Division St.
Spokane 2, Wash.
September 15, 1952

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Admin.
Department of the Interior
Washington 25, D. C.

Subject: Docket No. DMA 1783 (copper)
Bernice Group of Mining Claims
Jefferson County, Montana
Exploration application

Dear Mr. Ellis:

Enclosed is a copy of a letter from William Mason to Eric Erickson, USBM, in which he indicates that he wishes the subject application to be held open until the end of October.

Sincerely yours,

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

Enclosure

SEP 1 8 1952

cc: USGS, Spokane
Mr. William Mason
2165 Center Drive
Butte, Mont.

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

1201 N. Division St.
Spokane 2, Wash.
September 15, 1952

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Admin.
Department of the Interior
Washington 25, D. C.

Subject: Docket No. DMA 1783 (copper)
Bernice Group of Mining Claims
Jefferson County, Montana
Exploration application

Dear Mr. Ellis:

Enclosed is a copy of a letter from William Mason to Eric Erickson, USBM, in which he indicates that he wishes the subject application to be held open until the end of October.

Sincerely yours,

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

Enclosure

SEP 1 . 1952

cc: USGS, Spokane
Mr. William Mason
2165 Center Drive
Butte, Mont.

INTERNATIONAL UNION
MINE, MILL AND SMELTER WORKERS

WILLIAM MASON
BOARD MEMBER DISTRICT NO. 1
12 WEST BROADWAY
BUTTE, MONTANA

August 31, 1952

Mr. E. Erickson
1201 North Division
Spokane, Washington

Dear Mr. Erickson:

Dragging negotiations with Anaconda and other companies, special meetings all over state, preparations for strike vote and more day and night haggling with company negotiators which finally resulted in pre-strike vote settlements prevented me from doing my part in facilitating my application for an exploration loan.

I am leaving for New York tomorrow where I must spend two weeks at meeting Executive Board and at our annual convention. Upon return about September 20th I will start rehabilitating tunnel so we can get in to see the lead.

If my application has not already been dropped please hold it open until end of October.

I should know where we are on the application by that time.

Very truly yours,

William Mason

WM/abm

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

Mr. William Mason
2165 Center Drive
Butte, Montana

Re: Docket No. DMA-1783X (Copper)
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Mason:

When Mr. M. R. Klepper examined the proposed captioned project (May 5, 1952) he requested that the production record and maps of the mine be submitted to him. This information is necessary to complete the processing of your application.

Inasmuch as the required information has not been received, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data has not been received by September 30, 1952, we will then consider the docket closed.

Sincerely yours,

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

FLKnouse/gla 8-29-52
cc to: Adm. Reading File
Docket
Messrs. Ned Nelson, Rm. 4216 GSA
C.H.Johnson, Rm. 3621
Ellis
Knouse
DMEA Field Team, Region II (2)

1F-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8/21/52

REFERRED TO:

DMEA-1783X

1. ~~Mr. C. H. Johnson, Rm. 3621~~
2. Mr. Knouse, Rm. 4640
3.
4.

FOR:

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

REMARKS: Mr. Johnson: Please be sure and send field team report back to us with your comments.

Fred - Hope the note on Wilson's memo will serve purpose

Check (X) before the items needing attention.

Ernest Wm. Ellis

Initials of sender. jm

GPO 16—63815-1

IN REPLY REFER TO:

G-MD-CNF

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

August 14, 1952

Memorandum

To: Mr. E. W. Ellis

From: N. E. Nelson

Subject: D.M.E.A. 1783X (Copper) Bernice Group, Jefferson County, Montana.

The report by M. R. Klepper, Geologist, on the above property has been reviewed.

As the applicant is unable or unwilling to furnish the information required to change his expectation to a geologic possibility the denial recommended by the Field Team of Region II is accepted as in keeping with the known facts.

N. E. Nelson

N. E. Nelson

8/29/52 I concur in denial, as Applicant has had time to submit desired further information, and has not done so. As it stands, the USGS Bulletin dope on the Salvail vein is of no use in judging the prospects.

E. W. Ellis

8/11/52 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
1201 North Division Street,
Spokane 2, Washington

August 1, 1952

AUG 11 1952

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

Re: Docket No. DMEA-1783X
Bernice Group of Claims
Jefferson County, Montana
(Lead-Zinc)

Dear Mr. Johnson:

The original and three copies of an examination memorandum pertaining to the captioned property are enclosed herewith for review.

Since the applicant has failed to provide additional information required to supplement the application, denial is recommended. If the applicant can furnish adequate information at a later date, we will be glad to reconsider the case.

By Field Team, Region II

For: M. E. Volin, Acting Executive Officer, DMEA

S. Warren Hobbs
Acting Member, DMEA

Enclosures
cc: USGS, Spokane

Orig. and 3 DMEA Wash.

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

No. 157 Howard Street
Spokane 4, Washington

June 13, 1952

Memorandum

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

From: M. R. Klepper, Geologist, U. S. Geological Survey

Subject: Examination of Bernice Group of Claims, Jefferson County, Montana, Docket DMEA-1735X, Lead-Zinc.

Recommendations: Final decision should be reserved until applicant submits record of production and maps of mine. Unless record of production or assay map indicates that commercial ore has been found on the property, the application should be denied.

On May 5, 1952, Eric C. Erickson and I examined the Bernice Group of Claims in Woodchute Gulch, two miles west of Wickes, Jefferson County, Montana, in company with Mr. William Mason, owner (by location). The Bernice group is a relocation of the lapsed Montaur and Nipper claims (USGS Bull. 842, pl. 39) on which the Salvail mine was opened. The Salvail mine explores a vein parallel to and about 1700 feet south of the formerly moderately productive ($1,250,000) Mount Washington vein.

The small scale map on plate 39 shows that the Salvail workings consist of a 1,050 foot crosscut with about 500 feet of drift along the vein, which was intersected at the 850 foot point. The adit is now caved in heavy ground at the 325 foot point, and there is no basis for predicting the amount or cost of cleanup work necessary to reopen the crosscut to the vein and the drift along the vein. A shallow discovery shaft on the vein, about 400 feet above the elevation of the crosscut adit is also inaccessible.

Little information beyond that contained in USGS Bull. 842 was gained by the examination and conference with the operator. Two points, however, are worth noting: (1) the "vein" about 250 feet from the portal, which is a 60-foot wide fractured zone cut by sporadic thin seams of quartz and sparse pyrite that has been oxidized to limonite, does not warrant additional exploration; (2) the ore from the

inaccessible main vein, judged from the few pieces that could be found on the dump, is a complex mixture of dominant pyrite and arsenopyrite with subordinate bournonite, galena, sphalerite and rare chalcopyrite in a gangue of quartz and sparse rhodochrosite. Chalcocite and ruby silver are also reported to occur (Bull. 842, pp. 237-238), but these minerals were not recognized by the writer. Two samples selected for assay gave the following results:

	Au (oz.)	Ag (oz.)	Pb (percent)	Zn (Percent)	Cu (Percent)	As (Percent)
1. Highest grade piece on dumps:	0.2	11.1	13.0	5.2	4.3	16.36
2. Largest piece of vein material found on dumps:	0.5	13.7	0.1	1.0	0.5	n.f.

The applicant proposes to reopen the Salvail adit; mine and ship the ore, if any, remaining above the adit level; and extend the drift along the main vein, which is reported (USGS Bull. 842, p. 237) to average about 5 feet wide and to contain ore shoots as much as 3 feet wide, but of unspecified length, vertical extent, or grade.

On the basis of the limited information now available the writer does not believe that Government participation in the proposed program is warranted. The applicant, however, will attempt to find records of production, maps, and engineer's reports. If he is successful, the proposal should be reviewed again in the light of his findings. I recommend therefore that final action on this application be withheld pending receipt of additional information from the applicant. The complex nature of the ore should be kept in mind in reaching a final decision on this application.

M. R. Klepper
Geologist

cc: USBM, Albany
USBM, Spokane
USGS (SBO)

8/15/52 gla

IN REPLY REFER TO:

G-MD-CNF

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

August 14, 1952

Memorandum

To: Mr. E. W. Ellis

From: N. E. Nelson

Subject: D.M.E.A. 1783X (Copper) Bernice Group, Jefferson County, Montana.

The report by M. R. Klepper, Geologist, on the above property has been reviewed.

As the applicant is unable or unwilling to furnish the information required to change his expectation to a geologic possibility the denial recommended by the Field Team of Region II is accepted as in keeping with the known facts.

N. E. Nelson

N. E. Nelson

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

1201 North Division Street,
Spokane 2, Washington

August 1, 1952

AUG 11 1952

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

Re: Docket No. DMEA-1783X
Bernice Group of Claims
Jefferson County, Montana
(Lead-Zinc)

Dear Mr. Johnson:

The original and three copies of an examination memorandum pertaining to the captioned property are enclosed herewith for review.

Since the applicant has failed to provide additional information required to supplement the application, denial is recommended. If the applicant can furnish adequate information at a later date, we will be glad to reconsider the case.

By Field Team, Region II

Glenn Ellis
For: M. E. Volin, Acting Executive Officer, DMEA

S. Warren Hobbs
S. Warren Hobbs
Acting Member, DMEA

Enclosures
cc: USGS, Spokane

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

So. 157 Howard Street
Spokane 4, Washington

June 13, 1952

Memorandum

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

From: M. R. Klepper, Geologist, U. S. Geological Survey

Subject: Examination of Bernice Group of Claims, Jefferson County, Montana, Docket DMEA-1783X, Lead-Zinc.

Recommendations: Final decision should be reserved until applicant submits record of production and maps of mine. Unless record of production or assay map indicates that commercial ore has been found on the property, the application should be denied.

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Reviewed by
DMEA OPERATING COMMITTEE

8-15-52
(date)

inaccessible main vein, judged from the few pieces that could be found on the dump, is a complex mixture of dominant pyrite and arsenopyrite with subordinate bournonite, galena, sphalerite and rare chalcopyrite in a gangue of quartz and sparse rhodochrosite. Chalcocite and ruby silver are also reported to occur (Bull. 842, pp. 237-238), but these minerals were not recognized by the writer. Two samples selected for assay gave the following results:

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M. R. Klepper
Geologist

cc: USBM, Albany
USBM, Spokane
USGS (SRO)

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. [illegible]

Commodity Copper, Lead

Total Amount $30,000.00

Govt. Participation [illegible]

1. Name and Address of Applicant William Mason
2165 Center Drive Butte Montana

2. Location of Property Sec 17, 18, 19, 20 T 7N R 4W Montana
Jefferson County Montana

3. Mineral or metal Copper Lead Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes (Covered)
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? —

Does the lease have sufficient time to run to cover a future

productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? —

b) MF-202 —

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

a) Available manpower Yes

b) Equipment and supplies To Be Purchased
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

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

Is a field check needed on this point? No

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

a) Is the project adequately described? No

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

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

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

If not, what part of it is? —

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? Yes If so, attach a draft.

e) Are the cost estimates reasonable? Yes

f) Should more information be requested from applicant? yes Major information [illegible] project

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

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

c) Is a field check needed? No

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? e and g are inapplicable for [illegible]

b) Sufficient data? No. If so, attach a draft.

c) Are rents and charges reasonable? Does Not Break Down Rents

d) Is a field check needed? Yes

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

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Does not indicate project completed [illegible]

c) Is the schedule excessive for the work proposed? [illegible]

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes (supervisorial & labor costs)

EXHIBIT A

21 Operator intends to reopen old workings, develope known veins and extend exploration tunnel to cut other veins.

LABOR	$6,800.00
STRUCTURES	5,220.30
EQUIPMENT	6,671.00
RENTAL VALUE OF ITEMS OWNED BY OPERATOR	1,980.00
SUPPLIES	5,672.70
TOOL SHARPENING + MISC. ITEMS	130.00
	$26,430.00

23 d. LIVING QUARTERS - GARAGE	$2,340.30
COMPRESSOR ROOM	475.00
SHOP - TOOL BLDG.	680.00
ORE BINS	100.00
WATER STORAGE DAM	225.00
TIMBER PLATFORMS	300.00
e. COMPRESSOR	5,200.00
AIR TANK	65.00
STOPER (USED)	225.00
JACK HAMMER (USED	200.00
PUMP	345.00
FAN	310.00
POWER SAW (USED)	200.00
1 MINE CAR	60.00
f. NOT APPLICABLE	
g. RENTAL VALUE ITEMS OWNED BY OPERATOR	1,980.00

EXHIBIT A (CONT.)

73 L. PIPE	$1400.00
STEEL + BITS	125.00
TRUCK	950.00
TIMBER	1350.00
SPIKES	65.00
POWDER + PRIMERS	185.00
MACHINE OIL	20.00
GREASE	6.00
FUEL	220.00
MOTOR FUEL	650.00
12 L. LUMBERS	120.00
FAN BAG	92.00
CEMENT	35.00
CARBIDE	20.00
2 AIR HOSES (USED)	40.00
2 WATE HOSES (USED)	28.00
1 LUBRICATOR	4.50
1 TIMCROSS	12.00
1 BAR (USED)	18.00
1 TWIN PULE	13.00
1 BLOCK	8.50
ROPE	15.00
2 PICKS	8.00
2 MINER SHOVELS	7.20
2 HAND SAWS	14.30
2 SLEDGE HAMMERS	6.50
2 AXES	5.50
2 BARS	3.60
2 CLAW BARS	3.50

EXHIBIT A. (CONT

22 h	1 WHEEL BARROW	18.50
	1 PIPE CUTTER	20.80
	1 PIPE THREADER	27.50
	3 LOCKS	9.00
	2 POTS	40.00
	1 COOK STOVE	40.00
	1 HEATER	30.00
	1 TABLE	10.00
	4 CHAIRS	11.00
	1 LAMP	12.00
i.	TOOL SHARPENING - MISC ITEMS	130.00
ii.	1 MINER	3400.00
	1 MUCKER	34.00.00

b. NOT APPLICABLE

c. NO APPLICABLE

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data? –

c) Reasonable? –

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? Reasonable, unless required enough at grade

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Check the shaft, tunnel and adit of geology indicated by the questionnaire no. 23. (by $80.00)

Check exact location of property, as applicant has described The "Salvail Mine" (NE corner of Sec. 30-T7N-R4W) as his own

get detailed map of proposed exploration project

Advise applicant That direct mining costs are not chargeable To costs of exploration.

Reviewed by: [illegible]

[illegible]

Date

97692

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1783+

Date received 7-2-51

Participation

William Mason
2165 Center Drive
Butte, Montana

Name and address of applicant

Date June 4, 1951

FILL IN THIS BLOCK

Date of application June 4, 1951

Estimated cost $26,400.00

Mineral or metal Chalcocite, chalcopyrite, galena, pyrite, arsenopyrite, ruby, silver and bournonite.

Percentage of Government participation 50%

Location of mine Woodchute Gulch, Jefferson County, Montana

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

Date of filing MF-100

DMA Docket Number, if available 1783+

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property? Owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? See attached appendix

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By William P. Wasson (Signature of authorized official)
June 4, 1951 (Date)	(Title)

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

*Same as footnote on page 1.

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

Form MF-103
(April 1951)

U[redacted] DEPARTMENT OF THE INTER[redacted]R
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1783 X

Date received 7-2-51

Participation

No Mg. [illegible]

William Mason
2165 Center Drive
Butte, Montana

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application June 4, 1951

Estimated cost $26,400.00

Mineral or metal Chalcocite, chalcopyrite, galena, pyrite, arsenopyrite, ruby, silver and bournonite.

Percentage of Government participation 50%

Location of mine Woodchute Gulch, Jefferson County, Montana

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

Date of filing MF-100

DMA Docket Number, if available 1783 X

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

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9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? See appendix

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16—64067-1

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

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

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

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

*16. History:

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

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

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

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
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*18. Ore or mineral reserves: (If property is or has been operating.) See appendix

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

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THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By William Mason (Signature of authorized official)
June 4, 1951 (Date)	(Title)

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

*Same as footnote on page 1.

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

William Mason
2165 Center Drive
Butte, Montana

APPENDIX TO FORM MF -103

Question 8.

Property has not been previously operated by the applicant.

Question 9.

$13,200.00 in terms of cash labor, rental of equipment as well as in material and supplies.

Question 10A.

Operator intends to reopen workings consisting of a tunnel 1,200 feet long that cuts veins at 250 and 800 feet from the postal, to develop same and to further drive exploration tunnel. (See map of claims attached.)

Question 10B.

A group of claims known as Bernice I, Bernice II, Bernice III, Bernice IV, Bernice V and Bernice VI; all situate in Colorado Mining District, Jefferson County, Montana the key workings of which is a tunnel 1,200 long.

Question 11.

Present name of property same as set forth in answer to Question 10B. [illegible] "[illegible]"

Question 12.

Property located in Woodchute Gulch, 2 miles west of Wickes, Montana. Good road to ore bins at Great Northern RR siding with at Wickes.

Shipping points East Helena, Montana (American Smelting & Refining Plant) approximately 25 miles from mine; Basin, Montana (new mill) approximately 20 miles; and Anaconda, Montana (Anaconda Copper Mining Co. smelter) approximately 82 miles.

Question 13.

Source of water Woodchute Creek. Ample quantity in all

Question 14.

500 feet of track; mine car, 1 mine truck, 1 submarine and motor car.

Question 15.

Ore could be shipped to any of the three points described in answer to Question 12 by truck or by truck to Wickes, Montana and thence to same points by rail.

Question 16.

The lode was located about 1903, but the ore produced was too high in zinc to be profitably treated at that time. Considerable development work was carried on in 1927 and in 1928 several carloads of ore were shipped. Following is quotation from description of property in the U.S. Geological Survey Bulletin 842, Page 237." The mine is on two veins, both of which strike east and are enclosed in audesite. The more northerly vein dips 72° N. and is larger. The principal working is a tunnel 1,200 feet long that cuts this vein 800 feet from the portal. Drifts turned from the tunnel explore the vein for about 800 feet along the strike at a level about 400 feet below the workings. As shown by these workings, the vein averages about 5 feet in width and contains ore shoots as much as 3 feet wide. At a point 140 feet west of the tunnel the vein is offset 60 feet to the northeast along a fracture that trends in that direction.

The ore minerals are chalcocite, chalcopyrite, galena, pyrite, arsenopyrite, ruby silver and bournonite. The pyrite and arsenopyrite as shown by a polished section, are intergrown and so closely associated with quartz that the three minerals were evidently deposited together. All are partly replaced by bournonite, which is abundant and shows incipient supergene alteration and covellite.

The south vein is crossed by the main tunnel about 250 feet from the portal. It is a shear zone of 64 feet wide that contains some low grate ore."

Question 21.

Operator intends to reopen old workings, develope known veins and extend exploration tunnel to cut other veins.

Q Time required to complete this work 12 months.

Question 22.

Information contained in answer to Question 16. Also see attached map of property.

Question 23.

(a)	One miner	$3,400.00
	" mucker	3,400.00
(d)	Living quarters and garage	$2,340.30
	Compressor room	475.00
	Shop - Tool building	680.00
	Ore bins	1,200.00
	Water storage dam	225.00
	Timber platforms	300.00
(c)	Compressor	
	Air tank	$5,200.00
	Stoper (used)	65.00
	Jackhammer (used)	225.00
	Pump	200.00
	Fan	345.00
	Power saw (used)	360.00
	1 mine car	200.00
		82.00
(g)	Rental value items owned by operator	$1,980.00
(h)	Pipe	$1,400.00
	Steel and bits	125.00
	Truck	950.00
	Timber	1,350.00
	Spikes	65.00
	Powder and primers	185.00
	Machine oil	20.00
	Grease	6.00
	Fuel	220.00
	Motor fuel	650.00
	12 launders	120.00
	Fan bag	92.00
	Cement	35.00
	Carbide	20.00
	2 air hoses (used)	40.00
	2 water hoses (used)	28.00
	1 lubricator	4.50
	1 jimcross	22.00
	1 bar (used)	18.00
	1 join pole	23.00

(h) continued

1 block	$8.50
rope	13.00
2 picks	2.00
2 miner shovels	7.20
2 hand saws	14.30
2 sledge hammers	6.50
2 axes	5.80
2 bars	3.60
2 claw bars	3.50
1 wheel barrow	19.50
1 pipe cutter	20.30
1 pipe threader	27.50
3 locks	9.00
2 cots	40.00
1 cook stove	40.00
1 heater	30.00
1 table	10.00
4 chairs	16.00
1 lamp	12.00

(i) Tool sharpening and miscellaneous items $130.00

Question 24.

Installation of power saw, 1st month. Construction of living quarters and shop - tool building. $4,515

2nd month. Cleaning out tunnel, installation of fan., retimbering and laying aprox. 550 feet of truck (150 outside tunnel). $2,160

3rd month. Construction of compressor room, building water storage dam, erectional of timber platforms and hauling timber for ore bins and mine. $1,950.

4th month. Construction of ore bins, installation of compressor. $6,300

5th month. Hauling and installation of pipe. $2,200

6th month. Pumping windze, laying aprox. 300 feet of truck and sideswiping for air tanks. $1,575.

7th month. Retimbering crosscuts, hauling equipment and supplies, hauling timber and building powder house. $1,500

8th month. Development work. $1,200

9th month. Driving exploration drifts and main tunnel $1,150

10 month. Mining vein, and driving tunnel. $1,300

11th month. Mining vein, shipping and driving exploration tunnel. $1,200.

12th month. Mining veins and shipping. Driving exploration tunnel. $1,350.

Form MF-100
(March 1951)

U. DEPARTMENT OF THE INTERI
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dom A 1783 X

Date received 7-2-51

William Mason
2165 Center Drive
Butte, Montana

Name and address of applicant

Date June 4, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of Sec. 124-A (Amendment [illegible] 1950)~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? See Appendix To Form MF -100
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. See Appendix To Form MF -100
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size and productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range. See Appendix To Form MF -100
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee. See Appendix To Form MF -100
   ☐ Contractor.
5. Number of years in production ..... See Form MF -103, Question 16
   If not in production or operation, estimated date when production will begin .....
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: See Appendix To Form MF -100
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 1951
LANDON F. S...
Executive Secretary

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: See Form MF -103, Question 16.

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. See Form MF -103, Question 16.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. See Form MF -103, Question 16.

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: See Form MF- 103, Question 12 and 15.

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

14. Water Supply: See Form MF -103, Question 13.

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

15. Power:

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

16. Labor: See Form MF -103, Question 14.

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

17. Equipment and Facilities:

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

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

No.

CERTIFICATION

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

(Name of company)

By (Signature of authorized official)

June 4, 1951

(Date)

(Title)

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

William Mason
2165 Center Drive
Butte, Montana

APPENDIX TO FORM MF -100

Question 1.

Chief ores are that of copper and lead. By-products are ruby and silver. See Form MF-103, Question 16.

Question 2.

A group of quartz lode claims located by the Operator known as Bernice I, Bernice II, Bernice III, Bernice IV, Bernice V. and Bernice VI.

Extent of workings are a tunnel 1,200 feet long which cuts the richer of the two veins at 800 feet from the portal. Drifts explore this vein for about 800 feet along the strike at a level of about 400 feet below the workings.

Mine not flooded.

Question 3.

(a) 2 miles west of Wickes, Montana and ore loading ramps at Great Northern RR siding.

(b) Colorado Mining District.

(c) Claims located in Sections 17, 18, 19 and 20, T. 7 N. R. 4 W.

Question 4

Applicant is sole holder of claims.

Question 6

Applicant is experienced hard rock miner having been employed in and about the Butte copper mines most of his life. Years of labor-management relationes work brought him first hand knowledge of non-ferrous metal mines and problems of the industry.

Question 7.

In answer to this question the applicant quotes from the U. S. Geological Survey Bulletin 842 which describes the property as follows:

"The lode was located about 1903, but the ore produced was too high in zinc to be profitably treated at that time. Considerable development work was carried on in 1927 and in 1928 several carloads of ore were shipped. Following is quotation from description of property in the U. S. Geological Survey Bulletin 842, Page 237." The mine is on two veins,

both of which strike east and are enclosed in audesite. The more northerly vein dips 72° N. and is larger. The principal working is a tunnel 1,200 feet long that cuts this vein 800 feet from the portal. Drifts turned from the tunnel explore the vein for about 800 feet along the strike at a level about 400 feet below the workings. As shown by these workings, the vein averages about 5 feet in width and contains ore shoots as much as 3 feet wide. At a point 140 feet west of the tunnel the vein is offset 60 feet to the northeast along a fracture that trends in that direction.

The ore minerals are chalcocite, chalcopyrite, galena, pyrite, arsenopyrite, ruby, silver and bournonite. The pyrite and arsenopyrite as shown by a polished section, are intergrown and so closely associated with quartz that the three minerals were evidently deposited together. All are partly replaced by bournonite, which is abundant and shows incipient supergene alteration and covellite.

The south vein is crossed by the main tunnel about 250 feet from the portal. It is a shear zone of 64 feet wide that contains some low grade ore."

Several mines in the Colorado Mining District including the adjacent Mt. Washington and the Bluebird produced ores valued over $100,000.

Question 8.

Applicant William Mason, 2165 Center Drive, Butte, Montana, owner of mine intends to operate property as an individual.

Question 15.

Power could be brought in from the Montana Power Company line 1½ miles from mine. However, use of gasoline driven compressor, ~~from~~ fan and saw recommended.

Form MF-100
(March 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA 1783 X

Date received 7-2-51

William Mason
2165 Center Drive
Butte, Montana

Name and address of applicant

Date June 4, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of Section 124(a)(1)(A) of the Internal Revenue Code of 1950~~, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? See Appendix To Form MF -100
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. See Appendix To Form MF -100
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range. See Appendix To Form MF -100
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee. See Appendix To Form MF -100
   ☐ Contractor.
5. Number of years in production ..... See Appendix Form MF -103, Question 16.
   If not in production or operation, estimated date when production will begin .....
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: See Appendix To Form MF -100
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: See Form MF -103, Question 16.

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. See Form MF -103, Question 16.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. See Form MF -103, Question 16.

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: See Form MF- 103, Question 12 and 15.

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

14. Water Supply: See Form MF -103, Question 13.

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

15. Power:

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

16. Labor: See Form MF -103, Question 14.

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

17. Equipment and Facilities:

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

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

CERTIFICATION No.

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

(Name of company) By (Signature of authorized official)

June 4, 1951

(Date) (Title)

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

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

William Mason
2165 Center Drive
Butte, Montana

[illegible] -100

Question 1.

Chief ores are that of copper and lead. By-products are ruby and silver. See Form [illegible]-100, Question 16.

Question 2.

A group of quartz lode claims located by the Operator known as Bernice I, Bernice II, Bernice III, Bernice IV, Bernice V. and Bernice VI.

Extent of workings are a tunnel 1,800 feet long which cuts the richer of the two veins at 300 feet from the portal. Drifts explore this vein for about 300 feet along the strike at a level of about 400 feet below the workings.

Mine not flooded.

Question 3.

(a) 8 miles west of Helena, Montana and ore loading ramps at Great Northern Ry siding.

(b) Colorado Mining District.

(c) Claims located in Sections 17, 18, 19 and 20, T. 7 N. R. 4 W.

Question 4

Applicant is sole holder of claims.

Question 6

Applicant is experienced hard rock miner having been employed in and about the Butte copper mines most of his life. Years of labor-management relations work brought him first hand knowledge of non-ferrous metal mines and problems of the industry.

Question 7.

In answer to this question the applicant quotes from the U. S. Geological Survey Bulletin 842 which describes the property as follows:

"The lode was located about 1903, but the ore produced was too high in zinc to be profitably treated at that time. Considerable development work was carried on in 1927 and in 1928 several carloads of ore were shipped. Following is quotation from description of property in the U. S. Geological Survey Bulletin 842, page 257." The mine is on two veins,

both of which strike east and are enclosed in audesite. The more northerly vein dips 72° N. and is larger. The principal working is a tunnel 1,200 feet long that cuts this vein 800 feet from the portal. Drifts turned from the tunnel explore the vein for about 800 feet along the strike at a level about 400 feet below the workings. As shown by these workings, the vein averages about 5 feet in width and contains ore shoots as much as 3 feet wide. At a point 140 feet west of the tunnel the vein is offset 60 feet to the northeast along a fracture that trends in that direction.

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The south vein is crossed by the main tunnel about 250 feet from the portal. It is a shear zone of 64 feet wide that contains some low grade ore."

Several mines in the Colorado Mining District including the adjacent Mt. Washington and the Bluebird produced ores valued over $100,000.

Question 8.

Applicant William Mason, 2165 Center Drive, Butte, Montana, owner of mine intends to operate property as an individual.

Question 15.

Power could be brought in from the Montana Power Company line 1½ miles from mine. However, use of gasoline driven compressor, ~~from~~ fan and saw recommended.

FILE COPY
SURNAME:

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

AIR MAIL

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

APR 23 1952

Re: Docket No. DMA-1785X (Copper)
William Mason
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Weissenborn:

In accordance with your request of April 17, 1952, enclosed are forms MF-103 and MF-100 in the above captioned docket which, we regret to note, were not received by you with our letter of April 15, although the supplementary data and the pencil sketch were received.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee

Enclosures 2

GLAult/EWEllis/gla
4-22-52
cc to: Adm. Reading File
Docket
Operating Committee
Messrs. C.H.Johnson, Rm. 3621
Ned Nelson, Rm. 4216 GSA
Ellis
Knouse

4/21/52 gla

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

So. 157 Howard Street
Spokane 4, Washington

April 17, 1952

Air Mail

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

Dear Mr. Johnson:

Your letter of April 15 re docket No. DMA-1783X (copper) William Mason, Bernice group of mining claims, Jefferson County, Montana, has been received. Your letter states that forms MF-103 and MF-100 with supplementary data dated March 13, 1952, including a special pencil sketch are attached. The supplementary data and the pencil sketch have been received but we have not received the forms MF-103 and MF-100. Will you please send these at your early convenience so that we can schedule an examination. The snow cover has not entirely gone off, but we believe that in about two weeks an examination will be possible.

Sincerely yours,

A. E. Weissenborn

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

cc: USBM

APR 22 1952

700

FILE COPY
SURNAME:

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

Knouse
Ellis
Kedzie
Kaczor
FE Johnson

APR 15 1952

Mr. William Mason
2165 Center Drive
Butte, Montana

Re: Docket No. DMA-17[illegible]3 (Copper)
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Mason:

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

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

Sincerely yours,

4/15

(signed) FRANK E. JOHNSON (fw)
for Acting Administrator
Defense Minerals Exploration
Administration

FLKnouse/jem
4/11/52
cc to: Adm. Reading ~~File~~
Docket
Messrs. C.H.Johnson, Rm. 3621
Ned Nelson, Rm. 4216 GS
Ellis Knouse
Field Team, Region II (2)

700 FILE COPY
SURNAME:

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

AIR MAIL

APR 15 1952

F.E. Knouse
Ellis
Thayer

Mr. A. E. Weissenborn
Executive Officer, Region II
D.M.E. Field Team
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA-1783X (Copper)
William Mason
Bernice Group of Mining Claims
Jefferson County, Montana

Dear Mr. Weissenborn:

The captioned application is referred to your office for a field examination.

We are attaching copies of memoranda from Mr. Ned E. Nelson dated April 8, 1952 and Mr. C. H. Johnson dated April 1, 1952, outlining the important questions to be considered when the examination is made. If the proposal submitted by the applicant or an alternate program is recommended by your office and approved by the applicant, maps or sketches showing the proposed work in relation to the mining claim lines with detailed costs as are outlined in Form MF-103, should accompany the report. The cost and description of any equipment to be purchased or rented and the fair market value and description of any equipment to be furnished by the operator should be supplied. If all or any part of a recommended program is to be done by a contractor, it should be so indicated with a detailed breakdown of the contract price. If an exploration program is recommended we will require from the applicant a list of the mining claims on which the work is to be done and any adjoining claim or property controlled by the applicant, where the claims or property are recorded, book number, page, and entry date.

Forms MF-103 and MF-100 with supplementary data, dated March 13, 1952, (including a pencil sketch) submitted by the applicant are attached. Please return the supplementary data and sketch with your report as only the original was submitted by the applicant.

When we receive the above information we will be able to proceed with the processing of this application.

Sincerely yours,
(signed) FRANK E. JOHNSON

cc 4/15

Chairman, Operating Committee
Defense Minerals Exploration Administration

Enclosures
APPROVED: J. H. Hedges
Member, Bureau of Mines

T. P. Thayer
Member, Geological Survey

FEKnouse/jem 4/11/52
cc to: Adm. Reading File Docket
Messrs. C.H.Johnson, Rm. 3621
Ned Nelson, Rm. 4216 GS
Ellis Knouse
Field Team, Region II Opr. Comm.

4/9/52 gla

IN REPLY REFER TO:

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

April 8, 1952

Memorandum

To: Mr. E. Wm. Ellis

From: Ned E. Nelson

Subject: DMEA-1783X - William Mason, Butte, Montana
Old Salvail Property.

Comment

Although not mentioned, this application pertains to the Salvail property at Wickes, Montana. At least the description quoted by the applicant tallies with that found on page 237 and page 238 of Bulletin 842.

Based on this reference, the old adit and drifts should be investigated. The ore is complex plus, but no values are given. However, a strong vein, perhaps two veins, are indicated.

The applicant's map would place the Bernice veins a mile north of the Salvail location, but without doubt the Salvail is meant. An examination and identification by a field team is warranted.

N. E. Nelson

Ned E. Nelson
Geologist

4/2/52 gla

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

April 1, 1952

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA 1783X - William Mason, Butte, Montana, $26,400 (Copper)

I would recommend referral to the field team, although applicant has not submitted a specific or well justified project. It appears from the information available that this property may be worth exploring, yet I doubt if a satisfactory application can be obtained by correspondence. There is no report on the property in Washington, although there may be one in the files of Region II. Past production records for the property also will be available in the field.

It seems quite likely that if the lower tunnel and drift were opened as late as 1927 when it is stated that considerable work was done on the property, that level most likely was examined and mapped by one or more of the established mining companies or consultants. It would be desirable for the field team to try to determine who was working the property at that time and who may have examined and reported on it. I am sending the docket on to Mr. Nelson as requested.

C. H. Johnson

C. H. Johnson

Copy to Mr. Nelson, USGS
Minerals Division
Base Metals Branch
C. H. Johnson
Files

FILE COPY
SURNAME:

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

AIR MAIL

FEB 19 1952

Mr. William Mason
2165 Center Drive
Butte, Montana

Re: Docket No. DMA-1783X
(Copper-Lead)
Woodchute Gulch,
Jefferson County, Montana

Dear Mr. Mason:

A review of your application of June 4, 1951, for a $26,400 exploration contract reveals that a letter dated October 8, 1951, by Mr. J. B. Gewen of the former Supply Division of DMA requests additional information necessary to process your application. No reply has been received to this communication and we assume that you no lon er desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data has not been received by March 18, 1952, we will then consider the docket closed.

Sincerely yours,

2/19

Ernest Wm. Ellis, Acting Chief
Rare and Misc. Metals Division
Defense Minerals Exploration
Administration

GLAult/EWEllis/gla
2-18-52
cc to: Adm. Reading File
Docket
Messrs. Johnson, C.H. Rm. 3621
Nelson, Ned Rm. 4216 GS
Ellis
Field Team Reg. II (2)

File Copy
Surname:

OCT 8 1951

Mr. William Mason
2165 Center Drive
Butte, Montana

Re: Docket No. DMA-1783X

Dear Mr. Mason:

In reviewing your application it has become apparent that more information is needed before it can be further processed.

In order to qualify for Government assistance an applicant must submit a definite exploration project. Therefore, it is necessary that you outline your project in more detail including the answers to such questions as how many feet of tunnel rehabilitation, how many feet of drift and crosscuts to drive and in what direction, why extend main tunnel and pump out a winze, are workings accessible or not, etc. In other words give us a clear picture of what you propose to do for exploration. A map should accompany this description showing the location of the proposed work and also any assay or grab samples that have been taken.

In answer to question 24 of Form MF-103 you have included a lot of preparatory and mining work which cannot be applied to the cost for exploration. You are permitted only enough construction to help in the exploration project. Direct mining costs are not chargeable to the cost of exploration.

It is necessary that the items you propose to rent to the project be itemized, naming the equipment to rent and cost per month for rental of each item.

From the description of your claims (Sec. 17, 18, 19, & 20), it is inferred that your mine is located approximately in the center of these sections. Yet the mine you refer to in the United States Geological Survey Bulletin ~~[illegible]~~, Page 837 as a description of your property, is located in Section 19 and 30 (mostly in 30) which puts it about one mile away from your original mine location. Are these two the same mine with a miscalculation on the location or are they separate mines?

Very truly yours,

J. B. Gowen

J. B. Gowen, Chief
Copper Branch

RVWaugh
~~[illegible]~~rw
10-8-51

Copy to: Adm. Reading File
Executive Officer,
DMA Field Team II
Copper Branch
Files - DMA Docket

FILE COPY
SURNAME:

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

July 5, 1951

Mr. William Mason
2165 Center Drive
Butte, Montana

Subject: DMA-1783X
Re: Exploration Loan
Bernice I, II, III, IV,
V, and VI

My dear Mr. Mason:

Receipt is acknowledged of your application and attachments of June 27, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1783X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on July 3, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1783X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

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

DMA 1783

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1783X

Commodity Copper, Lead

Total Amount $26,400.00

Govt. Participation $13,200.00

1. Name and Address of Applicant WILLIAM MASON
2165 CENTER DRIVE, BUTTE, MONTANA

2. Location of Property SEC 17, 18, 19 + 20 T7N, R4W, WOODCHUTE GULCH
JEFFERSON COUNTY, MONTANA

3. Mineral or metal COPPER LEAD Is it listed in Section 9 of MO-5? YES

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? YES OWNER
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? —

Does the lease have sufficient time to run to cover a future

productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? —

b) MF-202 —

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

a) Available manpower YES

b) Equipment and supplies Yes Some To BE PURCHASED, Some owned by Applicant
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* YES.

d) Water (question 13)* YES

e) Power (question 13)* YES

Is a field check needed on any of these points? No

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

Is a field check needed on this point? No

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

a) Is the project adequately described? No.

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

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

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? YES No - Some is for production

If not, what part of it is? —

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? YES

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? YES If so, attach a draft.

e) Are the cost estimates reasonable? YES

f) Should more information be requested from applicant? YES ~~No~~ Maps explanation of project
also cut out production items.

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable? YES

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

c) Is a field check needed? No

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? e and g are applicable, f not.

b) Sufficient data? NO If so, attach a draft.

c) Are rents and charges reasonable? DOES NOT BREAK DOWN RENTS

d) Is a field check needed? YES

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

a) Are there sufficient data? YES

b) Is the schedule adequate for the work proposed? Does not outline project well enough to state

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

d) Are the proposed wages and salaries reasonable? YES

e) Is a field check needed? ~~No~~ Yes (supervisorial & labor costs)

EXHIBIT A

21 Operator intends to reopen old workings, develope known veins and extend exploration tunnel to cut other veins.

LABOR	$6,800.00
STRUCTURES	5,220.30
EQUIPMENT	6677.00
RENTAL VALUE OF ITEMS OWNED BY OPERATOR	1980.00
SUPPLIES	5672.70
TOOL SHARPENING & MISC. ITEMS	130.00
	$26,480.00

EXHIBIT B

23 d LIVING QUARTERS & GARAGE	$2,340.30
COMPRESSOR ROOM	475.00
x SHOP - TOOL BLDG.	680.00
x ORE BINS	200.00
WATER STORAGE DAM	225.00
TIMBER PLATFORMS	300.00
e. COMPRESSOR	5200.00
AIR TANK	65.00
STOPER (USED)	225.00
JACK HAMMER (USED	200.00
PUMP	345.00
FAN	360.00
POWER SAW (USED)	200.00
1 MINE CAR	92.00
f. NOT APPLICABLE	
g. RENTAL VALUE ITEMS OWNED BY OPERATOR	1980.00

EXHIBIT A (CONT.)

23 ft. PIPE	$1400.00
STEEL & BITS	125.00
TRUCK	950.00
TIMBER	1350.00
SPIKES	65.00
POWDER & PRIMERS	185.00
MACHINE OIL	20.00
GREASE	6.00
FUEL	220.00
MOTOR FUEL	650.00
12 LAUNDERS	120.00
FAN BAG	92.00
CEMENT	35.00
CARBIDE	20.00
2 AIR HOSES (USED)	40.00
2 WATE HOSES (USED)	28.00
1 LUBRICATOR	4.50
1 TIMCROSS	12.00
1 BAR (USED)	18.00
1 TOIN POLE	23.00
1 BLOCK	8.50
ROPE	18.00
2 PICKS	8.00
2 MINER SHOVELS	7.20
2 HAND SAWS	14.30
2 SLEDGE HAMMERS	6.50
2 AXES	5.80
2 BARS	3.60
2 CLAW BARS	3.50

EXHIBIT A (CONT

23 h.	1 WHEEL BARROW	18.50
	1 PIPE CUTTER	20.80
	1 PIPE THREADER	27.50
	3 LOCKS	9.00
	2 COTS	40.00
	1 COOK STOVE	40.00
	1 HEATER	30.00
	1 TABLE	10.00
	4 CHAIRS	16.00
	1 LAMP	12.00
i.	TOOL SHARPENING & MISC ITEMS	130.00
a.	1 MINER	34.00.00
	1 MUCKER	34.00.00
b.	NOT APPLICABLE	
c.	NO APPLICABLE	

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data? –

c) Reasonable? –

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? Doesn't outline project well enough to judge

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Check feasibility of project and also the geology. Total cost higher than costs outlined in No 23

Check exact location of property, as applicant has described the "Salvail" Mine" (NE corner of Sec 30-T7N-R4W) as his own

Get detailed map of proposed exploration project

Advise applicant that direct mining costs are not chargeable to cost of exploration

Reviewed by: R. Waugh

D. E. Machorn

Date

97692

INTERNATIONAL UNION
MINE, MILL AND SMELTER WORKERS

WILLIAM MASON
BOARD MEMBER DISTRICT NO. 1
358-60 PHOENIX BUILDING
BUTTE, MONTANA

June 27, 1951

Mr. Landon F. Strobel
U. S. Dept. Of The Interior
Defense Minerals Administration
Washington 25, D. C.

Dear Mr. Strobel:

Enclosed please find my application for and in exploration work.

The limitations with respect to filing dates are not clear to me. I do hope that the delay in mailing my application which I began to work on during the last week in May will not prevent your consideration.

We have heard several favorable remarks concerning this federal aid in defense minerals explorations are, of course, glad to at last see some aid going in the little fellow's direction.

We intend to discuss Mineral Order 5 at our forthcoming board meeting (of my union) and take some action in the interests of continuing such aid to the little people in our ~~the~~ hard rock mining industry.

Very truly yours,

William Mason

William Mason

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

JUN 2 1951

Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1783 X

Date received 7-2-51

Participation

No Participation

William Mason
2165 Center Drive
Butte, Montana

Name and address of applicant

Date June 4, 1951

FILL IN THIS BLOCK

Date of application June 4, 1951

Estimated cost $26,400.00

Mineral or metal Chalcocite, chalcopyrite, galena, pyrite, arsenopyrite, ruby, silver and bournonite.

Percentage of Government participation 50%

Location of mine Woodchute Gulch, Jefferson County, Montana

Date of filing MF-100

DMA Docket Number, if available 1783 X

INSTRUCTIONS

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

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property? Owner
6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None
7. If lessee, attach a copy of the lease and state if it is in good standing.

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History: See attached appendix

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By William [illegible] (Signature of authorized official)
June 4, 1951 (Date)	(Title)

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

*Same as footnote on page 1.

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

William Mason
165 Center Drive
Butte, Montana

APPENDIX TO FORM MF -103

Question 8.

Property has not been previously operated by the applicant.

Question 9.

$13,200.00 in terms of cash labor, rental of equipment as well as in material and supplies.

Question 10A.

Operator intends to reopen workings consisting of a tunnel 1,200 feet long that cuts veins at 250 and 800 feet from the postal, to develop same and to further drive exploration tunnel. (See map of claims attached.)

Question 10B.

A group of claims known as Bernice I, Bernice II, Bernice III, Bernice IV, Bernice V and Bernice VI; all situate in Colorado Mining District, Jefferson County, Montana the key workings of which is a tunnel 1,200 long.

Question 11.

Present name of property same as set forth in answer to Question 10B.

Question 12.

Property located in Woodchute Gulch, 2 miles west of Wickes, Montana. Good road to ore bins at Great Northern RR siding with at Wickes.

Shipping points East Helena, Montana (American Smelting & Refining Plant) approximately 25 miles from mine; Basin, Montana (new mill) approximately 20 miles; and Anaconda, Montana (Anaconda Copper Mining Co. smelter) approximately 82 miles.

Question 13.

Source of water Woodchute Creek. Ample quantity in all

Question 14.

500 feet of track; mine car, 1 mine truck, 1 submarine and motor car.

Question 15.

Ore could be shipped to any of the three points described in answer to question 12 by truck or by truck to Wickes, Montana and thence to same points by rail.

Question 16.

The lode was located about 1903, but the ore produced was too high in zinc to be profitably treated at that time. Considerable development work was carried on in 1927 and in 1928 several carloads of ore were shipped. Following is quotation from description of property in the U.S. Geological Survey Bulletin 842, Page 237." The mine is on two veins, both of which strike east and are enclosed in andesite. The more northerly vein dips 72° N. and is larger. The principal working is a tunnel 1,200 feet long that cuts this vein 800 feet from the portal. Drifts turned from the tunnel explore the vein for about 800 feet along the strike at a level about 400 feet below the workings. As shown by these workings, the vein averages about 5 feet in width and contains ore shoots as much as 8 feet wide. At a point 140 feet west of the tunnel the vein is offset 60 feet to the northeast along a fracture that trends in that direction.

The ore minerals are chalcocite, chalcopyrite, galena, pyrite, arsenopyrite, ruby, silver and tourmonite. The pyrite and arsenopyrite as shown by a polished section, are intergrown and so closely associated with quartz that the three minerals were evidently deposited together. All are partly replaced by bournonite, which is abundant and shows incipient supergene alteration and covellite.

The south vein is crossed by the main tunnel about 250 feet from the portal. It is a shear zone of 64 feet wide that contains some low grade ore."

Question 21.

Operator intends to reopen old workings, develope known veins and extend exploration tunnel to cut other veins.

Time required to complete this work 12 months.

Question 22.

Information contained in answer to Question 16. Also see attached map of property.

Question 23.

(a)	One miner	$3,400.00
	" mucker	3,400.00
(d)	Living quarters and garage	$2,340.30
	Compressor room	475.00
	Shop - Tool building	680.00
	Ore bins	1, 200.00
	Water storage dam	225.00
	Timber platforms	300.00
(c)	Compressor	
	Air tank	$5,200.00
	Stoper (used)	65.00
	Jackhammer (used)	225.00
	Pump	200.00
	Fan	345.00
	Power saw (used)	360.00
	1 mine car	200.00
		82.00
(g)	Rental value items owned by operator	$1,980.00
(h)	Pipe	$1,400.00
	Steel and bits	125.00
	Truck	950.00
	Timber	1,350.00
	Spikes	65.00
	Powder and primers	185.00
	Machine oil	20.00
	Grease	6.00
	Fuel	220.00
	Motor fuel	650.00
	12 launders	120.00
	Fan bag	92.00
	Cement	35.00
	Carbide	20.00
	2 air hoses (used)	40.00
	2 water hoses (used)	28.00
	1 lubricator	4.50
	1 jimcross	22.00
	1 bar (used)	18.00
	1 join pole	23.00

(h) continued

1 block	$8.50
Rope	18.00
2 picks	8.00
2 miner shovels	7.20
2 hand saws	14.30
2 sledge hammers	6.50
2 axes	5.80
2 bars	3.60
2 claw bars	3.50
1 wheel barrow	18.50
1 pipe cutter	20.80
1 pipe threader	27.50
3 locks	9.00
2 cots	40.00
1 cook stove	40.00
1 heater	30.00
1 table	10.00
4 chairs	16.00
1 lamp	12.00

(i) Tool sharpening and miscellaneous items $130.00

Question 24.

Installation of power saw, 1st month. Construction of living quarters and shop - tool building. $4,515

2nd month. Cleaning out tunnel, installation of Jan., retimbering and laying apros. 550 feet of truck (150 outside tunnel). $2,160

3rd month. Construction of compressor room, building water storage damm, erectional of timber platforms and hauling timber for ore bins and mine. $1,950.

4th month. Construction of ore bins, installation of compressor. $6,300

5th month. Hauling and installation of pipe. $2,200

6th month. Pumping windze, laying aprox. 300 feet of truck and sideswiping for air tanks. $1,575.

7th month. Retimbering crosscuts, hauling equipment and supplies, hauling timber and building powder house. $1,500

8th month. Development work. $1,200

9th month. Driving exploration drifts and main tunnel $1,150

10 month. Mining vein, and driving tunnel. $1,300

11th month. Mining vein, shipping and driving exploration tunnel. $1,200.

12th month. Mining veins and shipping. Driving exploration tunnel. $1,350.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA 1783X

Date received 7-2-51

William Mason
2165 Center Drive
Butte, Montana

Name and address of applicant

Date June 4, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate~~ ~~pursuant to the provisions of Section 124 of the Internal Revenue Code, 1950~~, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? See Appendix To Form MF -100
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. See Appendix To Form MF -100
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district. See Appendix To Form MF -100
   (*c*) Township, Section, Range.
   (*d*) County, State.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 1951
Executive Secretary

4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee. See Appendix To Form MF -100
   ☐ Contractor.
5. Number of years in production ..... See Form MF -103, Question 16.
   If not in production or operation, estimated date when production will begin .....
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: See Appendix To Form MF -100.
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: See Form MF -103, Question 16.

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. See Form MF -103, Question 16.

12. Ore or Mineral Reserves: See Form MF- 103, Question 16.

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: See Form MF- 103, Question 12 and 15.

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

14. Water Supply: See Form MF - 103, Question 13.

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

15. Power:

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

16. Labor: See Form MF -103, Question 14.

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

(Name of company) By (Signature of authorized official)

June 4, 1951

(Date) (Title)

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

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

William Mason
2165 Center Drive
Butte, Montana

Attachment to Form 1-100

Question 1.

Chief ores are that of copper and lead. By-products are ruby and silver. See Form 1-100, Question 16.

Question 2.

A group of quartz lode claims located by the Operator known as Bernice I, Bernice II, Bernice III, Bernice IV, Bernice V. and Bernice VI.

Extent of workings are a tunnel 1,800 feet long which cuts the richer of the two veins at 800 feet from the portal. Drifts explore this vein for about 300 feet along the strike at a level of about 400 feet below the workings.

Mine not flooded.

Question 3.

(a) 8 miles west of Pickes, Montana and ore loading ramps at Great Northern RR siding.

(b) Colorado Mining District.

(c) Claims located in Sections 17, 18, 19 and 20, T. 7 N. R. 6 W.

Question 4.

Applicant is sole holder of claims.

Question 6

Applicant is experienced hard rock miner having been employed in and about the Butte copper mines most of his life. Years of labor-management relations work brought him first hand knowledge of non-ferrous metal mines and problems of the industry.

Question 7.

In answer to this question the applicant quotes from the U. S. Geological Survey Bulletin 848 which describes the property as follows:

"The lode was located about 1900, but the ore produced was too high in zinc to be profitably treated at that time. Considerable development work was carried on in 1927 and in 1928 several carloads of ore were shipped. Following is quotation from description of property in the U. S. Geological Survey Bulletin 848, Page 207." The mine is on two veins,

both of which strike east and are enclosed in audesite. The more northerly vein dips 72° N. and is larger. The principal working is a tunnel 1,200 feet long that cuts this vein 800 feet from the portal. Drifts turned from the tunnel explore the vein for about 800 feet along the strike at a level about 400 feet below the workings. As shown by these workings, the vein averages about 5 feet in width and contains ore shoots as much as 3 feet wide. At a point 140 feet west of the tunnel the vein is offset 60 feet to the northeast along a fracture that trends in that direction.

The ore minerals are chalcocite, chalcopyrite, galena, pyrite, arsenopyrite, ruby, silver and bournonite. The pyrite and arsenopyrite as shown by a polished section, are intergrown and so closely associated with quartz that the three minerals were evidently deposited together. All are partly replaced by bournonite, which is abundant and shows incipient supergene alteration and covellite.

The south vein is crossed by the main tunnel about 250 feet from the portal. It is a shear zone of 64 feet wide that contains some low grade ore."

Several mines in the Colorado Mining District including the adjacent Mt. Washington and the Bluebird produced ores valued over $100,000.

Question 8.

Applicant William Mason, 2165 Center Drive, Butte, Montana, owner of mine intends to operate property as an individual.

Question 15.

Power could be brought in from the Montana Power Company line 1½ miles from mine. However, use of gasoline driven compressor, ~~from~~ fan and saw recommended.

William Mason
2165 Center Drive
Butte, Montana

Question 9.

Property has not been previously operated by the applicant.

Question 9.

$13,200.00 in terms of cash labor, rental of equipment as well as in material and supplies.

Question 10.

Operator intends to resume workings consisting of a tunnel 1,200 feet long, that cuts veins at 250 and 900 feet from the portal, to develop ore and to further drive exploration tunnel. (See map of claims attached.)

Question 10.

Groups of claims known as Lemmice I, Lemmice II, Lemmice III, Lemmice IV, Lemmice V and Lemmice VI; all situate in Boulder Mining District, Jefferson County, Montana two key workings of which is a tunnel 1,800 long.

Question 11.

Present name of property same as set forth in answer to question 10.

Question 12.

Property located in Woodchute Gulch, 2 miles west of Helena, Montana. Good road to ore bins at Great Northern siding with at Helena.

Shipping points are Helena, Montana (American Smelting Refining Plant) approximately 28 miles from mine; Butte, Montana (new mill) approximately 20 miles; and Anaconda, Montana (Anaconda Copper Mining Co. smelter) approximately 38 miles.

Question 13.

Source of water Woodchute Creek. Ample quantity in all

Question 14.

500 feet of track; mine car, 1 mine truck, 1 submarine and motor car.

Question 15.

Ore could be shipped to any of the three points described in answer to Question 12 by truck or by truck to Wickes, Montana and thence to same points by rail.

Question 16.

The lode was located about 1903, but the ore produced was too high in zinc to be profitably treated at that time. Considerable development work was carried on in 1927 and in 1928 several carloads of ore were shipped. Following is quotation from description of property in the U.S. Geological Survey Bulletin 842, Page 237." The mine is on two veins, both of which strike east and are enclosed in audesite. The more northerly vein dips 72° N. and is larger. The principal working is a tunnel 1,200 feet long that cuts this vein 800 feet from the portal. Drifts turned from the tunnel explore the vein for about 800 feet along the strike at a level about 400 feet below the workings. As shown by these workings, the vein averages about 5 feet in width and contains ore shoots as much as 3 feet wide. At a point 140 feet west of the tunnel the vein is offset 60 feet to the northeast along a fracture that trends in that direction.

The ore minerals are chalcocite, chalcopyrite, galena, pyrite, arsenopyrite, ruby, silver and bournonite. The pyrite and arsenopyrite as shown by a polished section, are intergrown and so closely associated with quartz that the three minerals were evidently deposited together. All are partly replaced by bournonite, which is abundant and shows incipient supergene alteration and covellite.

The south vein is crossed by the main tunnel about 250 feet from the portal. It is a shear zone of 64 feet wide that contains some low grate ore."

Question 21.

Operator intends to reopen old workings, develope known veins and extend exploration tunnel to cut other veins.

Q Time required to complete this work 12 months.

Question 22.

Information contained in answer to Question 16. Also see attached map of property.

Question 23.

(a)	One miner	$3,400.00
	" mucker	3,400.00
(d)	Living quarters and garage	$2,340.30
	Compressor room	475.00
	Shop - Tool building	680.00
	Ore bins	1, 200.00
	Water storage dam	225.00
	Timber platforms	300.00
(c)	Compressor	
	Air tank	$5,200.00
	Stoper (used)	65.00
	Jackhammer (used)	225.00
	Pump	200.00
	Fan	345.00
	Power saw (used)	360.00
	1 mine car	200.00
		82.00
(g)	Rental value items owned by operator	$1,980.00
(h)	Pipe	$1,400.00
	Steel and bits	125.00
	Truck	950.00
	Timber	1,350.00
	Spikes	65.00
	Powder and primers	185.00
	Machine oil	20.00
	Grease	6.00
	Fuel	220.00
	Motor fuel	650.00
	12 launders	120.00
	Fan bag	92.00
	Cement	35.00
	Carbide	20.00
	2 air hoses (used)	40.00
	2 water hoses (used)	28.00
	1 lubricator	4.50
	1 jimcross	22.00
	1 bar (used)	18.00
	1 join pole	23.00

(h) continued

1 block	$8.50
Rope	18.00
2 picks	8.00
2 miner shovels	7.20
2 hand saws	14.30
2 sledge hammers	6.50
2 axes	5.80
2 bars	3.60
2 claw bars	3.50
1 wheel barrow	18.50
1 pipe cutter	20.80
1 pipe threader	27.50
3 locks	9.00
2 cots	40.00
1 cook stove	40.00
1 heater	30.00
1 table	10.00
4 chairs	16.00
1 lamp	12.00

(i) Tool sharpening and miscellaneous items $130.00

Question 24.

Installation of power saw, 1st month. Construction of living quarters and shop - tool building. $4,515

2nd month. Cleaning out tunnel, installation of Jan., retimbering and laying apros. 550 feet of truck (150 outside tunnel). $2,160

3rd month. Construction of compressor room, building water storage damm, erectional of timber platforms and hauling timber for ore bins and mine. $1,950.

4th month. Construction of ore bins, installation of compressor. $6,300

5th month. Hauling and installation of pipe. $2,200

6th month. Pumping windze, laying aprox. 300 feet of truck and sideswiping for air tanks. $1,575.

7th month. Retimbering crosscuts, hauling equipment and supplies, hauling timber and building powder house. $1,500

8th month. Development work. $1,200

9th month. Driving exploration drifts and main tunnel $1,150

10 month. Mining vein, and driving tunnel. $1,300

11th month. Mining vein, shipping and driving exploration tunnel. $1,200.

12th month. Mining veins and shipping. Driving exploration tunnel. $1,350.

May 10, 1951

Mr. William Mason
358 Phoenix Building
Butte, Montana

Dear Mr. Mason:

In response to a request from Mr. W. C. Broadgate, Consultant to Senator Murray, there are enclosed five copies of Form MS-1C3 and a copy of the regulations pertaining thereto. There is also enclosed for your information a copy of Form MS-200, the exploration contract. This form is used if an application for assistance is approved.

Should you have further questions with respect to this program, you may contact either this office or the Field Team office located at South 157 Howard Street, Spokane, Washington.

Sincerely yours,

LANDON F. STROBEL
HB

LANDON F. STROBEL
Executive Secretary

Enclosures 7

LFSTROBEL:hb

Copy to: Administrator's Reading File
Mr. W. C. Broadgate
L. F. Strobel
Files

Mat

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1783X

Commodity Copper, lead

Total Amount 4/26,400.00

Govt. Participation 51 13,200.00

1. Name and Address of Applicant WILLIAM MASON
2165 CENTER DRIVE, BUTTE, MONTANA

2. Location of Property SEC 17, 18, 19 + 20 T7N, R4W, WOODCHUTE GULCH
JEFFERSON COUNTY, MONTANA

3. Mineral or metal COPPER LEAD Is it listed in Section 9 of MO-5? YES

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? YES OWNER
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? —

Does the lease have sufficient time to run to cover a future

productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? —

b) MF-202 —

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

a) Available manpower YES

b) Equipment and supplies TO BE PURCHASED
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* YES

d) Water (question 13)* YES

e) Power (question 13)* YES

Is a field check needed on any of these points? No

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

Is a field check needed on this point? No

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

a) Is the project adequately described? No

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

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

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

If not, what part of it is? —

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? YES

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? YES If so, attach a draft.

e) Are the cost estimates reasonable? YES

f) Should more information be requested from applicant? ~~No~~ yes Major explanation of project

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable? YES

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

c) Is a field check needed? No

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? e and g are applicable if not.

b) Sufficient data? NOS If so, attach a draft.

c) Are rents and charges reasonable? DOES NOT BREAK DOWN RENTS

d) Is a field check needed? YES

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

a) Are there sufficient data? YES

b) Is the schedule adequate for the work proposed? Does not outline project well enough to state

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

d) Are the proposed wages and salaries reasonable? YES

e) Is a field check needed? ~~No~~ Yes (supervisorial & labor costs)

EXHIBIT A

21 Operator intends to reopen old workings, develope known veins and extend exploration tunnel to cut other veins.

LABOR	$6,800.00
STRUCTURES	$5,220.30
EQUIPMENT	6,677.00
RENTAL VALUE OF ITEMS OWNED BY OPERATOR	1,980.00
SUPPLIES	5,672.70
TOOL SHARPENING & MISC. ITEMS	130.00
	$26,480.00

23 d LIVING QUARTERS & GARAGE	$2,340.30
COMPRESSOR ROOM	475.00
SHOP - TOOL BLDG.	680.00
ORE BINS	200.00
WATER STORAGE DAM	225.00
TIMBER PLATFORMS	300.00
e. COMPRESSOR	5,200.00
AIR TANK	65.00
STOPER (USED)	225.00
JACK HAMMER (USED	200.00
PUMP	345.00
FAN	360.00
POWER SAW (USED)	200.00
1 MINE CAR	92.00
f. NOT APPLICABLE	
g. RENTAL VALUE ITEMS OWNED BY OPERATOR	1,980.00

EXHIBIT A (CONT.)

23 ft. PIPE	$1400.00
STEEL & BITS	125.00
TRUCK	950.00
TIMBER	1350.00
SPIKES	65.00
POWDER & PRIMERS	185.00
MACHINE OIL	20.00
GREASE	6.00
FUEL	220.00
MOTOR FUEL	650.00
12 LAUNDERS	120.00
FAN BAG	92.00
CEMENT	35.00
CARBIDE	20.00
2 AIR HOSES (USED)	40.00
2 WATE HOSES (USED)	28.00
1 LUBRICATOR	4.50
1 JIMCROSS	12.00
1 BAR (USED)	18.00
1 JOIN POLE	23.00
1 BLOCK	8.50
ROPE	18.00
2 PICKS	8.00
2 MINER SHOVELS	7.20
2 HAND SAWS	14.30
2 SLEDGE HAMMERS	6.50
2 AXES	5.80
2 BARS	3.60
2 CLAW BARS	3.50

EXHIBIT A. CONT

23h.	1 WHEEL BARROW	18.50
	1 PIPE CUTTER	20.80
	1 PIPE THREADER	27.50
	3 LOCKS	9.00
	2 COTS	40.00
	1 COOK STOVE	40.00
	1 HEATER	30.00
	1 TABLE	10.00
	4 CHAIRS	16.00
	1 LAMP	12.00
i.	TOOL SHARPENING & MISC ITEMS	130.00
a.	1 MINER	3400.00
	1 MUCKER	34.00.00
b.	NOT APPLICABLE	
c.	NO APPLICABLE	

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data? -

c) Reasonable? -

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? Doesn't outline project well enough to judge

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Check feasibility of project and also the geology. Total cost higher than costs outlined in No. 23 (by $80.00)

Check exact location of property, as applicant has described the "Salvail mine" (NE corner of sec 30-T7N-R4W) as his own

get detailed map of proposed exploration project

Advice applicant that direct mining costs are not chargeable to costs of exploration

Reviewed by: R. Wamsh

D.D. Machorn

Date

97692

1783 X

~~Frazier Hill 1918~~
~~Gertrude Hill 1931~~
~~Dunton 1919~~

Write to

1) Applicant refers to a claim map "attached" Anyone see it?

2) 8(b) Slight modification of answer suggested
I think here, and generally, where a field check is necessary for any reason whatever, then it would be advisable to suggest that the applicant's equipment be inspected for suitability and proper rental rates.

3) 10 (a) I think it is actually impossible to describe this project because the Applicant does not say how much work he plans to do - how many feet of tunnel to rehabilitate, how many feet of drift to drive, etc. He says he will extend main tunnel, but gives no reason why he wants to do this. He refers to pumping out a mine with no explanation. He has included a lot of preparatory and mining work that could not be approved for exploration. He has not said if workings are accessible or not

10 (e) You cannot say whether cost estimates

are adequate or reasonable, because he doesn't give any quantities of work to be done.

4) 11 (c) I think when FT visits property it should check necessity of the proposed structures. Why are this? Why living quarters? Why a timber platform, etc.

5. 12. Applicant should list owned equipment.
~~Hand-tool~~

My recommendation is to write to Applicant and try to get some of these things in order before referring to F.T.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MONTANA
BOULDER QUADRANGLE

E.M.Douglas, Geographer in charge.
Triangulation by R.H.Chapman.
Topography by W.J.Lloyd and R.H.Chapman.
Surveyed in 1896-97.

RHC
Lloyd

Scale 1/125000

1 ½ 0 1 2 3 4 5 6 7 8 9 Miles

3000 1500 0 3000 6000 9000 12000 Yards

5000 0 5000 10000 15000 20000 25000 Feet

1 0 1 2 3 4 5 6 Kilometers

Contour interval 100 feet

Datum is mean sea level

(Readjustment indicates that elevations on this map should be increased 4 feet.)

Edition of Jan. 1899, reprinted 1951
Polyconic projection.

MONT.
BOULDER
N4600-W11200/30

FOR SALE BY U.S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D.C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST