DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2481

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip

Copies to USBM, & USGS.

To: Code 400, Rm. 3538 Date 4-14-52

To: _____ Date _____

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CONTROLLED DOCUMENT

Administrator, DMEA

Sept. 18, 1952

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $50,000.00
Docket No. DMEA 2481 - Iron, Antimony, Copper and Manganese
Jack MacMacheron
Iron King Mine
Jefferson County, Montana

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

1. The Iron King Mine has produced a small amount of iron-fluxing gold ore. The ore produced was predominantly a gold ore. Other commodities listed in the application by MacMacheron are present only in insignificant quantities.

2. The application was poorly prepared and detailed information on the proposed program by the applicant was not furnished.

3. There is little geologic probability of finding any significant deposit of iron ore at the Iron King Mine.

4. It is quite probable that the market value of any iron ore that might be produced in Jefferson County, Montana, would not cover transportation costs for delivery to consumers.

5. The Commodity Division of the Bureau of Mines recommends denial of this application for iron.

6. The Commodity Division of the Geological Survey recommends denial of the application if sufficient additional information is not obtained to warrant a field examination. Such information, although requested, was not furnished.

FARutledge:lm
9/18/52

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

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

SEP 2 2 1952

Mr. Jack MacPherson
1124 Third Street
Bakersfield, California

Re: Docket No. DMRA 2481 - Iron,
Antimony, Copper and Manganese
Jack MacPherson
Iron King Mine
Jefferson County, Montana

Dear Mr. MacPherson:

Your request for exploration assistance and other reports concerning the Iron King Mine available to us in Washington have been carefully reviewed. Consideration has also been given to your letter of August 30, 1952, with accompanying smelter settlement sheets.

This information, although noting the occurrence of a small amount of an iron-bearing gold ore, indicates to us that the probability of disclosing minable iron ore reserves at your property is not sufficiently promising to justify Government participation. According to the smelter settlement sheets, percentages of the other metals named in your application are too small to be considered. We regret, therefore, to inform you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:lm
9/18/52

cc: Adm. Reading File
Docket
J. M. Forbes, USGM
Martha Carr, USGS
Field Team Reg. II
Operating Committee
G. S. Selfridge
F. A. Rutledge

AUG 2 0 1952

Mr. Jack MacMacheron
1124 Third Street
Bakersfield, California

Re: Docket No. DMMA 2481 - Iron, Uranium, Copper, Antimony, and Manganese
Jack MacMacheron
Iron King Mine
Jefferson County, Montana

Dear Mr. MacMacheron:

Your recent letter dated August 12, 1952, has been received. It was noted that at one time you and your brother operated the Iron King mine but had to stop mining as "there was a lot of gold in the mine". As you may know, gold is not one of the strategic minerals included in the Defense Minerals Exploration Administration's program. However, if you have any settlement sheets or analyses of the ore produced showing the other constituents, we would appreciate a copy since in your application you did not give the expected grade of the vein to be explored.

Your attention is also called to the list of questions contained in my letter of April 30, 1952, a copy of which is enclosed. The information requested must be received before we can process your application.

We wish to cooperate in the matter of allowing ample time, but if the needed data have not been received by September 15, 1952, we will then remove the application from the active file and consider the matter closed.

Sincerely yours,

C. O. Mittendorf

Acting Administrator

FARutledge:lm
8/18/52

Enclosure

cc: Admn. Reading File
Docket

cc: J. M. Forbes, USBM
Martha Carr, USGS
Field Team Reg. II
H. C. Selfridge
F. A. Rutledge

Mr. Jack MacEacheron
1124 Third Street
Bakersfield, California

Re: Docket No. DMEA 2481X - Iron, Uranium, Copper, Antimony, and Manganese
Iron King Mine
Jefferson County, Montana

Dear Mr. MacEacheron:

On April 30, 1952, we wrote you requesting additional information relating to your application for exploration assistance on the Iron King Mine. Three months have now passed and we have not had an answer to our letter. Thus we assume that you no longer desire to proceed with your application.

We wish to cooperate in the matter of allowing ample time but if the needed data have not been received by September 15, 1952, we will then remove the application from the active file and consider the matter closed.

Sincerely yours,

C. O. Mittendorf

Acting Administrator

GCSelfridge:ls
8/7/52

cc: Docket
Admn. Read. File
Field Team, Region 2
G. C. Selfridge
Mrs. Martha Carr, USGS
Mr. J. M. Forbes, USBM

Jack MacFacheron

Iron 400

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

May 23, 1952

Memorandum

To: George C. Selfridge, D.M.E.A.

From: Jachin M. Forbes, U.S.B.M.

Subject: D.M.E.A. Docket No. 2481, Jack MacFacheron, 1124 Third St., Bakersfield, California. (Iron ore and other minerals)

Notwithstanding the meagerness of the information submitted, it is recommended that any further consideration of the subject docket be based on the possibilities connected with commodities other than iron ore. It is quite probable that the delivered sales value of any iron ore produced in Jefferson County, Montana would not cover transportation costs to the consumers. This factor has prevented thus far the development of several iron ore deposits of significant size in the area.

Jachin M. Forbes

JMForbes:amv

Copy to: Mr. Forbes
Mr. Selfridge
Ferrous Metals
F i l e s

Copy retained 400

Mr. T. L. Chapman 400

400

APR 30 1952

Mr. Jack MacMacheron
1124 Third Street
Bakersfield, California

Re: Docket No. DMEA 2481X - Iron, Uranium, Copper, Antimony, Manganese
Iron King Mine
Jefferson County, Montana

Dear Mr. MacMacheron:

Your application for exploration assistance on the Iron King Mine has been reviewed by the Iron and Ferro-Alloy Division of the Defense Minerals Exploration Administration. We find that we will need more information in order to proceed with the processing of your application.

All items of the MF-103 should be answered in detail as follows:

3. Estimate the amount of shaft sinking, drifting and cross-cutting. Estimate the cost per foot for each of the above.

Estimate amount and cost of timber, powder, fuse, caps, rail and all equipment necessary for underground work.

4. Send a map of geologic structure, if available, showing veins or type of deposit and show the proposed work in relation to these veins or indicated ore bodies. (No map received with application).

6. Give size and cost of proposed compressor and hoist building, headframe and any other surface construction.

7. Give size and cost of a compressor and hoist with necessary pipe, cable, etc.

Give size and cost of trucks and ore cars.

Weight of rail in track should be given.

Such things as ore bins would not be constructed on exploration

assistance, but would be part of a production setup.

8. You designate 9 miners. What about muckers, tramen, hoistman, supervision?

Give the prevailing wage and the length of time the men will be employed. Also include Compensation Insurance, Social Security, Unemployment Insurance, etc.

9. Give type of power employed, and cost of same. If gasoline or oil, give amounts needed and cost.

List cost of supplies, tools, etc.

10. In the case of iron and copper, the Government puts up 50 per cent of the cost; for manganese and antimony, 75 per cent; and for uranium, 90 per cent. In the case a number of metals are present, the percentage of assistance will be arranged, if warranted. (We are enclosing a copy of DMEA Order-1 showing these items.)

11. State your reasons for believing the work indicated will make a significant discovery of the metals indicated. If you have any assay returns, please include them in your application.

Sincerely yours,

G. C. Selfridge

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

Enclosure

TLChapman'lm
4/28/52

cc: Admn. Reading File
Docket
J. M. Forbes, USBM
W. B. Melaher, USBM
Martha Carr, USGS
M. D. Crittenden, USGS
Field Team Reg. II
G. C. Selfridge
T. L. Chapman

IN REPLY REFER TO:

400

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

April 18, 1952

To: George E. Selfridge, DMEA

From: Martha Carr, USGS

Subject: Exploration application $50,000 DMEA 2481 Iron, antimony, copper, manganese

Jack MacEachersen
1124 Third St.
Bakersfield, Calif.

Property: Iron King (Iron Range) Mine, Helena Mining District, Jefferson County, Montana. (Montana Bureau of Mines and Geology Memoir 20, Directory of Montana mining properties, 1940, locates this property at 5 miles south of Montana City.)

Proposal: Applicant estimates that $50,000 will be needed to prove and develop the property, and indicates that he can furnish $5,000 or more if necessary. He apparently does not understand that he must furnish a specific percentage of the cost and that the contract excludes any development.

Geology: The prevailing underlying rock of the area is quartz monzonite, including granodiorite and quartz diorite. In the Helena mining region the ore bodies fall into two distinct groups: the older ore bodies, which are mainly silver-lead and gold-silver deposits, and the younger ore bodies, which are essentially precious metal deposits. Montana Bureau of Mines and Geology Memoir 20 mentions that gold-silver-copper-bismuth ores occur at the Iron King Mine. The Geological Survey has no record of the presence of an iron ore deposit in this particular locality, but iron-stained chalcedonic reefs are abundant in the general region. Iron ore of a siliceous character, however, has been mined at the Golden Curry Mine a few miles to the south. No reference to the occurrence of either antimony or manganese in the specific area referred to by the applicant has been noted.

Recommendation: The occurrence of iron ore, antimony, copper, or manganese in commercial quantity on the applicant's property is unlikely, and he has presented insufficient evidence of workable mineral deposits to refer the application to the field team. Although he indicates that a map of the property is "included", no map

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was attached to the application. Unless the applicant submits a map showing the location of the property and the proposed exploration work as related to geologic features, together with additional information on which he bases his proposal for exploration, a loan could not be recommended to explore for any of the commodities mentioned.

FILE COPY
SURNAME:

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

Rutledge
Selfridge
Martin
Hedges
Thayer
F A Johnson

SEP 22 1952

Mr. Jack MacEacheron
1124 Third Street
Bakersfield, California

Re: Docket No. DMEA 2481 - Iron, Antimony, Copper and Manganese
Jack MacEacheron
Iron King Mine
Jefferson County, Montana

Dear Mr. MacEacheron:

Your request for exploration assistance and other reports concerning the Iron King Mine available to us in Washington have been carefully reviewed. Consideration has also been given to your letter of August 30, 1952, with accompanying smelter settlement sheets.

This information, although noting the occurrence of a small amount of an iron-bearing gold ore, indicates to us that the probability of disclosing minable iron ore reserves at your property is not sufficiently promising to justify Government participation. According to the smelter settlement sheets, percentages of the other metals named in your application are too small to be considered. We regret, therefore, to inform you that your application is denied.

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

Sincerely yours,

9.22.52

C. O. Mittendorf (fw)

Administrator

FARutledge'lm
9/18/52

cc: Admn. Reading File
Docket
J. M. Forbes, USBM
Martha Carr, USGS
Field Team Reg. II
Operating Committee
G. C. Selfridge
F. A. Rutledge

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Administrator, DMEA

DATE: Sept. 18, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

SUBJECT: Denial of application for exploration assistance in the amount of $50,000.00
Docket No. DMEA 2481 - Iron, Antimony, Copper and Manganese
Jack MacEacheron
Iron King Mine
Jefferson County, Montana

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

1. The Iron King Mine has produced a small amount of iron-fluxing gold ore. The ore produced was predominantly a gold ore. Other commodities listed in the application by MacEacheron are present only in insignificant quantities.

2. The application was poorly prepared and detailed information on the proposed program by the applicant was not furnished.

3. There is little geologic probability of finding any significant deposit of iron ore at the Iron King Mine.

4. It is quite probable that the market value of any iron ore that might be produced in Jefferson County, Montana, would not cover transportation costs for delivery to consumers.

5. The Commodity Division of the Bureau of Mines recommends denial of this application for iron.

6. The Commodity Division of the Geological Survey recommends denial of the application if sufficient additional information is not obtained to warrant a field examination. Such information, although requested, was not furnished.

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

FILE COPY 400
SURNAME:

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

Administrator, DMEA

Sept. 18, 1952

Rutledge
Selfridge by Martin

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $50,000.00
Docket No. DMEA 2481 - Iron, Antimony, Copper and Manganese
Jack MacMacheron
Iron King Mine
Jefferson County, Montana

9-22

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

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FARutledge'lm
9/18/52

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 15 1952

Bakersfield
Aug 30-52

Geo C Selfridge

Dear Sir

Ref to Docket No DMEA 2481X
Iron King Mine
Jefferson County Montana

We have had a terrible Earth Quake all the brick buildings have big cracks in them and a lot of them fell down so I would like to get away from here as we have shocks every day. All those old brick buildings will have to be torn down.
I will send you the pictures.
I will draw a map of the Iron King on seperate page. I have two other prospects that look awful good but the Iron King has quite a bit of developing work done on it.
I am sending you a report on the Moose creek and Lodge & Placer claims two I may have some very valuable minerals if developed.

Yours
Jack MacEacheron
1124-3rd
Bakersfield California

C
O
P
Y

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

April 30, 1952

Mr. Jack MacEacheron
1124 Third Street
Bakersfield, California

Re: Docket No. DMEA 2481X - Iron, Uranium, Copper, Antimony, Manganese
Iron King Mine
Jefferson County, Montana

Dear Mr. MacEacheron:

Your application for exploration assistance on the Iron King Mine has been reviewed by the Iron and Ferro-Alloy Division of the Defense Minerals Exploration Administration. We find that we will need more information in order to proceed with the processing of your application.

All items of the MF-103 should be answered in detail as follows:

3. Estimate the amount of shaft sinking, drifting and cross-cutting. Estimate the cost per foot for each of the above.
40 ft Shaft @ 10.00 a ft 32 ft Tunnel 8.00 a ft
Estimate amount and cost of timber, powder, fuse, caps, rail and all equipment necessary for underground work.
45 ft [illegible] @ 700.00

4. Send a map of geologic structure, if available, showing veins or type of deposit and show the proposed work in relation to these veins or indicated ore bodies. (No map received with application).

6. Give size and cost of proposed compressor and hoist building, headframe and any other surface construction. $1200.00

7. Give size and cost of a compressor and hoist with necessary pipe, cable, etc.
Compressor $4720.00. Castle Hoist Pipe Cable & Etc 700.00
Give size and cost of trucks and ore cars.
2 Ore Cars 350.00 2 Dump Trucks 9000.00
Weight of rail in track should be given.
30 Lb Rail
Such things as ore bins would not be constructed on exploration

assistance, but would be part of a production setup.

8. You designate 9 miners. What about muckers, topmen, hoistman, supervision?
3 men a shift 1 top man and 2 miners for Each shift & the
Give the prevailing wage and the length of time the men will be employed. Also include Compensation Insurance, Social Security, Unemployment Insurance, etc.
$13.00 a day for Miners 7 days a week.

9. Give type of power employed, and cost of same. If gasoline or oil, give amounts needed and cost.
Gasoline
List cost of supplies, tools, etc.
Blacksmith Forge Vice tools etc Welding Torch $750.00

10. In the case of iron and copper, the Government puts up 50 per cent of the cost; for manganese and antimony, 75 per cent; and for uranium, 90 per cent. In the case a number of metals are present, the percentage of assistance will be averaged, if warranted. (We are enclosing a copy of DMEA Order-1 showing these items.)

11. State your reasons for believing the work indicated will make a significant discovery of the metals indicated. If you have any assay returns, please include them in your application.

Sincerely yours,

/s/ George C. Selfridge

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

Enclosure

I have a bunk house on this property.
Find inclosed Smelter reports.

COPY

AMERICAN SMELTING AND REFINING CO.

EAST HELENA PLANT

East Helena, Mont., August 11, 1939 19

Bought of J. H. Taylor & G.F. McEacheron Mine Iron King Our Lot No. 1532

Class Crude Shipping Point McClellan Gulch(E.Helena) Montana Mine Lot No. 2

Quotations of Weeks Avg. Silver .70 5/8 Lead Cathode Copper 9.90

ASSAYS	GOLD Oz. per ton	SILVER Oz. per ton	Wet Lead Per Cent	COPPER Per Cent	INSOL Per Cent	IRON Per Cent	Manganese Per Cent	Sulphur Per Cent	ZINC Per Cent	ARSENIC Per Cent	Antimony Per Cent	Bismuth Per Cent	LIME Per Cent
A. S. & R. Co.	0.34	1.4	0	0.30				12.0	0	0.05	0.03	0.02	
Umpire													
Settlement	0.34	1.4	0	0.30				12.0	0	0.05	0.03	0.02	

Car Number	Weight
Truck	23860

Weight of Lot
Weight of Sacks
Wet Weight
Less Moisture 0.8 % 191
Dry Weight 23669 Pounds

VALUES PER TON

Gold 91.1371% @$35-1/4%	10.82
Silver ~~95%~~ less 1 oz. @ .70 5/8	.28
Lead Less 90% @	
Copper, Less @	
	11.10
Less Total Deduction	5.45

DEDUCTIONS PER TON

Base for Charge Lead 5.00	
Truck Shipment .25	
	5.25
Insoluble % @	
Zinc % @	
Arsenic % @	
Antimony % @	
Bismuth 0.40 Lbs. @ .50	.20
Debit	
Iron % @	
Total Deductions	5.45

@ 5.65 Per Ton $ 66.86

Freight Per Wet Ton @	$	
Hauling Per Wet Ton @ 1.50 Undersath Bros. Helena	$ 17.90	
Royalty	$	
	$	
Advances	$	
Umpire	$	
Sampling When Less Than 10 Tons	$	
TOTAL	$ 17.90	$ 17.90
NET PROCEEDS		$ 48.96

Date of B/L
Date of Arrival 7-29-39
Checked
Correct

Rates except on contract, subject to change without notice.
A minimum charge of $5.00 made on all lots under 10 dry tons.

50M—7-50

AMERICAN SMELTING AND REFINING CO.

EAST HELENA PLANT

COPY

East Helena, Mont., August 2, 1935 19

Bought of Geo. F. Pundy Mine Iron King Our Lot No. 1226

Class Crude Shipping Point McClellan Creek, Montana Mine Lot No. 1

Quotations of Weeks Avg. Silver .77 Lead Cathode Copper 7.65

ASSAYS	GOLD Oz. per ton	SILVER Oz. per ton	Wet Lead Per Cent	COPPER Per Cent	INSOL Per Cent	IRON Per Cent	Manganese Per Cent	Sulphur Per Cent	ZINC Per Cent	ARSENIC Per Cent	Antimony Per Cent	Bismuth Per Cent	LIME Per Cent
A. S. & R. Co.	0.565	1.3	0	0.02				5.0	0	0.08	0.05	0.02	
Umpire													
Settlement	0.565	1.3	0	0.02				5.0	0	0.08	0.05	0.02	

Car Number	Weight
Truck	17280

Weight of Lot

Weight of Sacks

Wet Weight

Less Moisture 9.9% 1711

Dry Weight 15569 Pounds @ 12.01 Per Ton $ 93.49

VALUES PER TON

Gold 91.1371% @ $35-1/4%	17.98
Silver ~~95%~~ less 1 oz. @ .77	.23
Lead Less 90% @	
Copper, Less @	
	18.21
Less Total Deduction	6.20

DEDUCTIONS PER TON

Base for Charge % Lead 6.00	
	6.00
Insoluble % @	
Zinc % @	
Arsenic % @	
Antimony % @	
Bismuth 0.40 Lbs. @ .50	.20
Debit	
Iron % @	
Total Deductions	6.20

Freight Per Wet Ton @		
Hauling Per Wet Ton @ J.O.Johnson $2.00 East Helena	$ 17.28	
Royalty		
Advances		
Umpire		
Sampling When Less Than 10 Tons	$ 5.00	
TOTAL	$ 22.28	$ 22.28
NET PROCEEDS		$ 71.21

Date of B/L

Date of Arrival 7-29-35

Checked

Correct

Rates except on contract, subject to change without notice.

A minimum charge of $5.00 made on all lots under 10 dry tons.

50M—7-50

1

COPY

AMERICAN SMELTING AND REFINING CO.

EAST HELENA PLANT

East Helena, Mont., December 26, 1902 19

Bought of Jas Zoubek Mine Iron King Our Lot No. 1512

Class Shipping Point Helena, Montana Mine Lot No. 2

Quotations of Silver Lead Cathode Copper

ASSAYS	GOLD Oz. per ton	SILVER Oz. per ton	Wet Lead Per Cent	COPPER Per Cent	~~Insol~~ Silica Per Cent	IRON Per Cent	Manganese Per Cent	Sulphur Per Cent	ZINC Per Cent	ARSENIC Per Cent	Antimony Per Cent	Bismuth Per Cent	LIME Per Cent
A. S. & R. Co.	.10	1.4			14.0	46.6	0.8	1.0	0				
Umpire													
Settlement	.10	1.4			14.0	46.6	0.8	1.0	0				

Car Number	Weight
34500	35070

Weight of Lot

Weight of Sacks

Wet Weight

Less Moisture 11.8 %

VALUES PER TON

Gold @

Silver 95% @

Lead Less 90% @

Copper, Less @

Less Total Deduction

DEDUCTIONS PER TON

Base for % Lead

Insoluble % @

Zinc % @

Arsenic % @

Antimony % @

Bismuth Lbs. @

Debit

Iron 6.6 % @ 10¢ 3.00

Total Deductions

Dry Weight 30932 Pounds @ 2.34 Per Ton $ 36.19

Freight Per Wet Ton @ $

Hauling Per Wet Ton @ $

Royalty $

$

Advances $

Umpire $

Sampling When Less Than 10 Tons $

Date of B/L

Date of Arrival

Checked

Correct

Rates except on contract, subject to change without notice.

A minimum charge of $5.00 made on all lots under 10 dry tons.

TOTAL $ $

NET PROCEEDS $ 36.19

50M—7-50

1

AMERICAN SMELTING AND REFINING CO.

EAST HELENA PLANT

COPY

East Helena, Mont., December 3, 1902 19

Bought of J. Zanbech Mine Iron King Our Lot No. 1405

Class Shipping Point Helena, Montana Mine Lot No. 1

Quotations of Silver Lead Cathode Copper

ASSAYS	GOLD Oz. per ton	SILVER Oz. per ton	Wet Lead Per Cent	COPPER Per Cent	~~INSOL~~ Silica Per Cent	IRON Per Cent	Manganese Per Cent	Sulphur Per Cent	ZINC Per Cent	ARSENIC Per Cent	Antimony Per Cent	Bismuth Per Cent	LIME Per Cent
A. S. & R. Co.					8.8	51.8	0.8	0					1.0
Umpire													
Settlement					8.8	51.8	0.8	0					1.0

Car Number	Weight
7919	32120

Weight of Lot
Weight of Sacks
Wet Weight
Less Moisture 10.1 %

VALUES PER TON

Gold @
Silver 95% @
Lead Less 90% @
Copper, Less @

Less Total Deduction

DEDUCTIONS PER TON

Base for % Lead

Insoluble % @
Zinc % @
Arsenic % @
Antimony % @
Bismuth Lbs. @
Debit
Iron % @

Total Deductions

Dry Weight 28876 Pounds @ 3.00 Per Ton $ 43.31

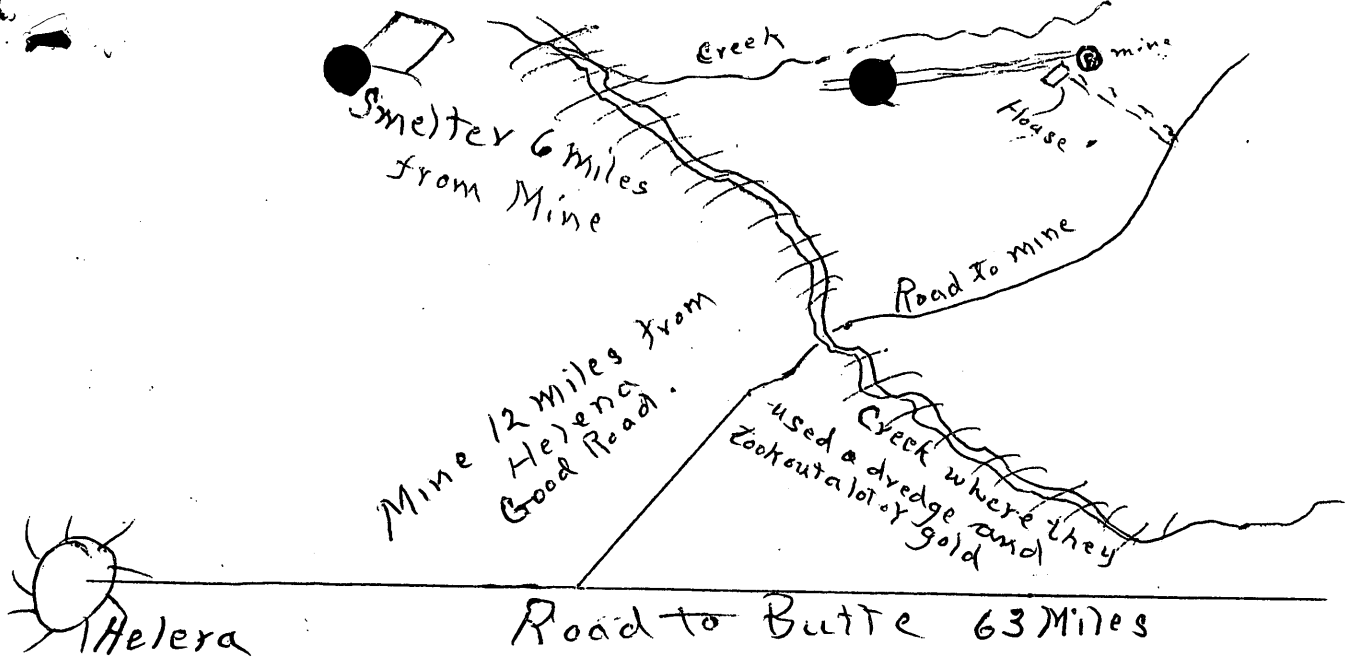
Freight Per Wet Ton @ $
Hauling Per Wet Ton @ $
Royalty $
$
Advances $
Umpire $
Sampling When Less Than 10 Tons $

Date of B/L
Date of Arrival
Checked
Correct

Rates except on contract, subject to change without notice.
A minimum charge of $5.00 made on all lots under 10 dry tons.

TOTAL $ $
NET PROCEEDS $ 43.31

50M—7-50



The mine is full of water now if we dug down about 6 ft deep and about 80 ft from mine the water would not bother us and their is a brown streak on top of the lead ful of Placer gold.

REPORT OF THE
MOOSE CREEK LODE AND PLACER CLAIMS
in Powell County, Montana.

LOCATION:
The Moose Creek Mines are located in Sections 2 A 3, T.13 N: R.10 W. Deer Lodge, Powell County, Montana.

Powell County is one of Montana's richest gold and silver mining districts and has the same general geological conditions which extend from Gold creek near Deer Lodge (where gold was first discovered in this state) through to Helena, Montana, which is a Northeasterly direction.

This property comprises seven placer claims of about 300 acres in extent, extending about three miles along the creek bed. There are five lode claims of 20 acreas each.

The mines are in Moose Creek Valley, 7½ miles east of the town of Helmville and are reached over a gravel road for 5 miles and 2½ miles of rough road. The main east and west highway is about 35 miles distant at Drummond, Montana. The placer mines cover the upper tow miles of Moose Creek and its tow branches.

TIMBER AND WATER SUPPLY:
Moose Creek has a drop of 1,000 feet, furnishing 137 miners inches of water and has a constant flow at all times. In two miles the elevation of this creek range from 5,000 to 6,000 feet, and has two dam sites, an ideal set-up for hydraulic operations.

Mr. E. P. McCarthy made water measurements in July 7, 1935 at 137 Miner inches, and on August 15, 1936, of 154 Miners inches. This is equivalent to a net flow of 1900 gallons per minute.

The hills and valley are heavily timbered. The large round boulders in the creek bed would make dredging inadvisable. These boulders can be moved by tractors and in other places their removal has formed catch basins which have proven valuable for recovering both fine and coarse gold.

LODE CLAIMS
The five lode claims extend from the placer claims to the top of the hill and cover several blanket veins which are from 6 to 8 inches wide.

The early explorers made several small tunnels on these claims and one tunnel has two cave-ins, supposed to be about 100 feet long.

Old timers say that one car load of ore was taken from this tunnel and brought $5,000 at the smelter. Eleven assays taken from outcroppings and old dumps from the tunnels have averaged $72 to the ton in gold and silver.

TITLE
These claims are held under lode and placer filings, none are patented. They were located by Fred MacEacheron and his brother Jack. They comprise,

PLACER CLAIMS:
Jean; Big Chief; Buddy; Tokyo; Sonny; Little Chief; and Skippy.

LODE CLAIMS: Highland No's 1-2-3-4-5.

Assessment work was done each year until Federal Acts made such work unnecessary. An attorney is preparing a legal statement of titles, which are undisputed.

PLACER TESTS:
Ray Phebue, a Colorado Mining Engineer, dug several test holes in May 1935, covering an area of 2500' x 90', up-stream from the cabin, struck a bed-rock of decomposed granite (easily cleaned) at a depth of 8 to 9 Feet in the center of the valley, and panning the gravel, recovered $8 to $10 per square yard, in addition to 1½% black sand, which also carries gold.

The gold is medium coarse, 850 fine by assays made by E.P.MacCarthy of Butte.

The altitude, topography and contours (100') were taken from quadrangle of the U.S.G.S. Survey.

Due to the steep slope of the hillsides, alluvium above bed rock is much thicker in the center of the valley, along creek banks, then on both sides due to erosion.

The stream bed is about 3 or 4 feet wide and was penned by prospectors with crude sluices over 30 or 40 years ago, but some small nuggets, fine gold and black sand can still be recovered.

ROADS

Road repairs at an expense of about $250.00 will be necessary for hauling in the heavy machinery. The outgoing haul has the easiest grades.

To operate the lode claims on a large scale, it might be advisable to cut a new road, down grade, down Moose Creek for 2 miles, and bridge Blackfoot River (a small river) to a good highway leading to the smelter at Helena, distant 45 miles. The reduction works at Anaconda can be reached over a highway 65 miles distant, or 35 miles by truck and 50 miles by rail.

CONCLUSION

The possibilities of these claims seem almost unlimited, but can only be proved by a thorough development. The placer and lode claims can be developed separately, or in combination.

(signed) W.A. Bartlett

MOOSE CREEK MINING COMPANY

During the Gold Rush days of Montana, about 50 years ago, a prospector, named Wm. Dollimeter, began placer operations on Moose Creek about seven miles east of the present town of Helmville.

He built a small log cabin, the remains of which still stand, and for several years, by crude methods with sluices, made from slabs axe-hewn from logs, washed out large quanitities of gold from the bed of the narrow creek, but made no attempt to move much earth nor the large boulders in the bed of the creek. His success attracted others to the district.

Successful operations were carried on at Lincoln, about five miles to the east and in the nearby valleys of Shores Creek and Sauerkraut Creek millions of dollars being moved.

Later Coyote Jack and Laughing Brown opened up some rich gold and silver ore at the top of the hill above the old Billimeter workings, but by reason of no smelting facilities nor road, abandoned the claim after one of the partners died.

An experienced Miner named Rosell next started operations below Coyote Jacks claim by driving several small tunnels into the side of the hill, and was successful in striking some high-grade ore, one car load of which showed smelter returns of $5,000.00; which fact is attested to by men whom he hired at that time. As his tunnels were not built on water grade, he started a new tunnel below on water grade to tap the rich ore he had located above; and built a passable road over the mountain, but he died before this tunnel was completed, with an estimated one hundred feet yet to reach it.

Both of the quartz and placer claims have laid idle for many years until they were relocated about six years ago by Fred MacEacheron, who assisted by his brother Jack, a well-known Butte Pipe Fitter, here built commodious cabins, one of which is equipped with running water, modern tiolets and a shower bath. They have improved the roads, made trails built a dam to impound the water, dug test holes to bed rock and washed out several hundred dollars in gold during spare moments. Bill Lockwood washed out one nugget which sold for $28.50. The MacEachron Brothers have made eleven assays from lodges exposed on their claims which showed an average value of over $70.00 to the ton in gold and silver

ASSAYS: MOOSE CREEK LODE CLAIMS

DATE	ASSAYER	Silver OUNCES	Silver VALUE	Gold OUNCES	Gold VALUE	TOTAL VALUE
4-22--31	W.C.Gallagher A.C.M. Co.	10.5	$7.77	.42	$14.70	$22.47
9-14-31	Lewis&Walker Butte	13.4	9.91	.44	15.40	25.31
"	"	50.7	37.52	.10	3.50	41.02
5-13-31	"	62.20	48.43	.22	7.70	56.13
"	"	12.90	9.60	.16	5.60	15.30
"	"	25.00	18.50	.26	9.10	28.60
1931	?	60.00	44.40	.48	16.60	61.20
"	?	57.00	42.18	.56	19.60	61.78
Aug. 1931		122.00	90.28	.43	10.05	105.33
12-13-33	C.W.Fessett Spokane	273.00	208.00	.34	11.90	219.90
2-10-34	E.P.MacCarthy Butte	190.00	140.60	.50	17.50	158.10
						$795.04
					Average value-11 assays	72.27

Samples taken from five lode claims known as Highland No.'s 1-2-3-4-5-

FILE COPY
SURNAME:

Rutledge
Selfridge

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

AUG 20 1952

Mr. Jack MacMacheron
1124 Third Street
Bakersfield, California

Re: Docket No. DMEA 2481 - Iron, Uranium, Copper, Antimony, and Manganese
Jack MacMacheron
Iron King Mine
Jefferson County, Montana

Dear Mr. MacMacheron:

Your recent letter dated August 12, 1952, has been received. It was noted that at one time you and your brother operated the Iron King mine but had to stop mining as "there was a lot of gold in the mine". As you may know, gold is not one of the strategic minerals included in the Defense Minerals Exploration Administration's program. However, if you have any settlement sheets or analyses of the ore produced showing the other constituents, we would appreciate a copy since in your application you did not give the expected grade of the vein to be explored.

Your attention is also called to the list of questions contained in our letter of April 30, 1952, a copy of which is enclosed. The information requested must be received before we can process your application.

We wish to cooperate in the matter of allowing ample time, but if the needed data have not been received by September 15, 1952, we will then remove the application from the active file and consider the matter closed.

FARutledge'lm
8/18/52

Sincerely yours,

C. O. Mittendorf (for) 8.20.52

Acting Administrator

Enclosures

cc: Admn. Reading File
Docket

cc: J. M. Forbes, USBM
Martha Carr, USGS
Field Team Reg. II
G. C. Selfridge
F. A. Rutledge

Bakersfield

U S Dept of Interior

2481 - Iron

Dear Sirs

I sent the required Information regarding Docket DMEA 2481 to Geo C Selfridge Wash 25 DC I registered it and called for return receipt and got a card back from Post Master Roy M Hoith telling me Not in Directory so am notifying him to send it to US Dept of the Interior DMEA

Yours

Jack MacEacheron
1124 - 3rd
Bakersfield
Calif

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 12 1952

Two big Earth Quakes here nearly all brick buildings are ruined.

Bakersfield
Aug 12-52

Department of the Interior

Dear Sir

My brother & I were mineing the Iron King mine at Jefferson County Montana and we had to stop mineing as thier was a lot of gold in the mine. While we were closed down the machinery was stolen the windows broke out of building dishes bed furniture stolen and the mine filled up with water. The mine is a good one and has a good strong Showing and the vein is getting wider as we go in to the mountain. We can excavate about 80 ft long by about 2 ft deep and it will drain the mine.

I have an Aircompressor and two Jack Hammers with drills hoses and steel and Gasoline Drag line so all I need is a loan from the Exploration Administraction

Louis Jack MacEacheron
1124-32d
Bakersfield
California

Re: Docket No EMEA 2481X

400

FILE COPY
SURNAME:

Selfridge

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

AUG 7 1952

Mr. Jack MacEacheron
1124 Third Street
Bakersfield, California

Re: Docket No. DMEA 2481X - Iron, Uranium, Copper, Antimony, and Manganese
Iron King Mine
Jefferson County, Montana

Dear Mr. MacEacheron:

On April 30, 1952, we wrote you requesting additional information relating to your application for exploration assistance on the Iron King Mine. Three months have now passed and we have not had an answer to our letter. Thus we assume that you no longer desire to proceed with your application.

We wish to cooperate in the matter of allowing ample time but if the needed data have not been received by September 15, 1952, we will then remove the application from the active file and consider the matter closed.

Sincerely yours,

8/7/52

C. O. Mittendorf (fw)

Acting Administrator

GCSelfridge:ls
8/7/52

cc: Docket
Admn. Read. File
Field Team, Region 2
G. C. Selfridge
Mrs. Martha Carr, USGS
Mr. J. M. Forbes, USBM

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

May 23, 1952

Memorandum

To: George C. Selfridge, D.M.E.A.

From: Jachin M. Forbes, U.S.B.M.

Subject: D.M.E.A. Docket No. 2481, Jack MacEacheron, 1124 Third St., Bakersfield, California. (Iron ore and other minerals)

Notwithstanding the meagerness of the information submitted, it is recommended that any further consideration of the subject docket be based on the possibilities connected with commodities other than iron ore. It is quite probable that the delivered sales value of any iron ore produced in Jefferson County, Montana, would not cover transportation costs to the consumers. This factor has prevented thus far the development of several iron ore deposits of significant size in the area.

Jachin M. Forbes

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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MAY 23 1952

Copy retained 400

Mr. [illegible]lfridge:

Our 4/30 letter to applicant with 11 specific questions goes unanswered. Either follow-up or ultimatum -- which?

ls

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

May 23, 1952

Memorandum

To: George C. Selfridge, D.M.E.A.

From: Jachin M. Forbes, U.S.B.M.

Subject: D.M.E.A. Docket No. 2481, Jack MacFacheron, 1124 Third St., Bakersfield, California. (Iron ore and other minerals)

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Jachin M. Forbes

JMForbes:amv

Copy to: Mr. Forbes
Mr. Selfridge
Ferrous Metals
F i l e s

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

May 23, 1952

Memorandum

To: George C. Selfridge, D.M.E.A.

From: Jachin M. Forbes, U.S.B.M.

Subject: D.M.E.A. Docket No. 2481, Jack MacPacheron, 1124 Third St., Bakersfield, California. (Iron ore and other minerals)

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Jachin M. Forbes

JMForbes:amv

Copy to: Mr. Forbes
Mr. Selfridge
Ferrous Metals
F i l e s

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2481

Date received 4-11-52

Jack MacMahoron
1124 Third St.
Bakersfield, Calif.

Name and address of applicant

Date March 27, 1952

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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APR 11 1952

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.
   X ☐ Lessee.
   ☐ Contractor.
5. Number of years in production Never in production
   If not in production or operation, estimated date when production will begin At once
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

1. a. Iron, Antimony, Copper, Manganese
   b. Gold, Silver, and Bismuth.
2. Iron Range, Iron King
   a. One shaft thirty five feet deep.
      One forty foot tunnel
      Mine is flooded at present. Can be pumped clear in one hour per day.
3. a. Three miles from nearest railway spur
   b. Helena Mining district
   c. Not known
   d. ~~Elkhorn Mountains~~ Jefferson County, Montana
4. Property is not now in operation.

6. Twenty five years of various mining experience.
7. a. Property was discovered in 1888, was held by the prospectors until purchased in 1943 by applicant. Applicant has been in plumbing business in Bakersfield, California since buying property and has never had opportunity to develope claim until present time.
   b. Neighboring properties have been developed for lead, uranium.
   c. Attached
8. Not applicable, Applicant is not a corporation.
9. None issued.
10. Not Applicable
11. Not Applicable
12. Reports Attached
13. Good roads from mine to shipping point approximately three miles from mine.
14. Spring above mine, approximately fifty gallons per minute
15. No power close by, would have to move engine on ine to power point and jackhammers.
16. Not applicable.
17. One house, good condition. One pump in good condition.
18. Mine can be made self draining by use of tunnel 100feet in length and six feet deep.

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

(Name of company)

By Jack MacEachron
(Signature of authorized official)

Mar 29-52
(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

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2481
Metal or Mineral
Date Received 4-11-52
Amount $
Participation (Government %)

Jack MacEacheron
1124 Third St.
Bakersfield, Calif.

Name and address of applicant

Date March 27, 1952

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

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

INSTRUCTIONS

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

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. Property is recorded as Iron King Mine in Book 42 of Lodes, P. 180, Jefferson Co., Montana

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

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

Cannot answer, same as above

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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APR 11 1952

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By Jack MacEachern (Signature of authorized official)
Mar 29–5–2 (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—64067–2

3. a. Money will be used to prove and develope mine. I estimate cost of sme to be Fifty Thousand Dollars.
   b. Six Months

4. Included.

5. One building and one pump on property both in good condition.

6. One building for air compressor and hoist, two ore bins, air compressor, hoist, two hundred feet of railway track. Two Trucks Three ore cars. Estimated cost-$80,000.00

7. a. None

   b. Trucks, building, air compressor, hoist, track.

   c. Existing equipment above.

8. Nine miners. Prevailing local wage will be paid.

9. None

10. a. Five Thousand Dollars or more if necessary.

    b. Yes.

Docket 400

FILE COPY
SURNAME:

Chgmgr
Nutt

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

APR 30 1952

Mr. Jack MacEacheron
1124 Third Street
Bakersfield, California

Re: Docket No. DMEA 2481X - Iron, Uranium, Copper, Antimony, Manganese
Iron King Mine
Jefferson County, Montana

Dear Mr. MacEacheron:

Your application for exploration assistance on the Iron King Mine has been reviewed by the Iron and Ferro-Alloy Division of the Defense Minerals Exploration Administration. We find that we will need more information in order to proceed with the processing of your application.

All items of the MF-103 should be answered in detail as follows:

3. Estimate the amount of shaft sinking, drifting and cross-cutting. Estimate the cost per foot for each of the above.

   Estimate amount and cost of timber, powder, fuse, caps, rail and all equipment necessary for underground work.

4. Send a map of geologic structure, if available, showing veins or type of deposit and show the proposed work in relation to these veins or indicated ore bodies. (No map received with application).

6. Give size and cost of proposed compressor and hoist building, headframe and any other surface construction.

7. Give size and cost of a compressor and hoist with necessary pipe, cable, etc.

   Give size and cost of trucks and ore cars.

   Weight of rail in track should be given.

   Such things as ore bins would not be constructed on exploration

assistance, but would be part of a production setup.

8. You designate 9 miners. What about muckers, topmen, hoistman, supervision?

   Give the prevailing wage and the length of time the men will be employed. Also include Compensation Insurance, Social Security, Unemployment Insurance, etc.

9. Give type of power employed, and cost of same. If gasoline or oil, give amounts needed and cost.

   List cost of supplies, tools, etc.

10. In the case of iron and copper, the Government puts up 50 per cent of the cost; for manganese and antimony, 75 per cent; and for uranium, 90 per cent. In the case a number of metals are present, the percentage of assistance will be averaged, if warranted. (We are enclosing a copy of DMEA Order-1 showing these items.)

11. State your reasons for believing the work indicated will make a significant discovery of the metals indicated. If you have any assay returns, please include them in your application.

Sincerely yours,

George C. Selfridge

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

GW. 4-30-52

Enclosure

TLChapman'lm
4/28/52

cc: Admn. Reading File
Docket
J. M. Forbes, USBM
N. B. Melcher, USBM
Martha Carr, USGS
M. D. Crittenden, USGS
Field Team Reg. II
G. C. Selfridge
T. L. Chapman

IN REPLY REFER TO:

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

April 18, 1952

To: George E. Selfridge, DMEA

From: Martha Carr, USGS

Subject: Exploration application $50,000 DMEA 2481 Iron, antimony, copper, manganese

Jack MacEacherson
1124 Third St.
Bakersfield, Calif.

Property: Iron King (Iron Range) Mine, Helena Mining District, Jefferson County, Montana. (Montana Bureau of Mines and Geology Memoir 20, Directory of Montana mining properties, 1940, locates this property at 5 miles south of Montana City.)

Proposal: Applicant estimates that $50,000 will be needed to prove and develop the property, and indicates that he can furnish $5,000 or more if necessary. He apparently does not understand that he must furnish a specific percentage of the cost and that the contract excludes any development.

Geology: The prevailing underlying rock of the area is quartz monzonite, including granodiorite and quartz diorite. In the Helena mining region the ore bodies fall into two distinct groups: the older ore bodies, which are mainly silver-lead and gold-silver deposits, and the younger ore bodies, which are essentially previous metal deposits. Montana Bureau of Mines and Geology Memoir 20 mentions that gold-silver-copper-bismuth ores occur at the Iron King Mine. The Geological Survey has no record of the presence of an iron ore deposit in this particular locality, but iron-stained chalcedonic reefs are abundant in the general region. Iron ore of a siliceous character, however, has been mined at the Golden Curry Mine a few miles to the south. No reference to the occurrence of either antimony or manganese in the specific area referred to by the applicant has been noted.

Recommendation: The occurrence of iron ore, antimony, copper, or manganese in commercial quantity on the applicant's property is unlikely, and he has presented insufficient evidence of workable mineral deposits to refer the application to the field team. Although he indicates that a map of the property is "included", no map

Copy retained 400

was attached to the application. Unless the applicant submits a map showing the location of the property and the proposed exploration work as related to geologic features, together with additional information on which he bases his proposal for exploration, a loan could not be recommended to explore for any of the commodities mentioned.

Martha Carr

IN REPLY REFER TO:

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

April 18, 1952

To: George E. Selfridge, DMRA

From: Martha Carr, USGS

Subject: Exploration application $50,000 DMRA 2481 Iron, antimony, copper, manganese

Jack MacKenberson
1124 Third St.
Bakersfield, Calif.

Property: Iron King (Iron Range) Mine, Helena Mining District, Jefferson County, Montana. (Montana Bureau of Mines and Geology Memoir 20, Directory of Montana mining properties, 1940, locates this property at 5 miles south of Montana City.)

Proposal: Applicant estimates that $50,000 will be needed to prove and develop the property, and indicates that he can furnish $5,000 or more if necessary. He apparently does not understand that he must furnish a specific percentage of the cost and that the contract excludes any development.

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cc: Director's Reading File (4212)
Branch
DMEA File (3)
Ferrous Metals File
Martha Carr (2)

Martha Carr:bbk
G 4/18/52

IN REPLY REFER TO:

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

April 18, 1952

To: George K. Selfridge, DMEA

From: Martha Carr, USGS

Subject: Exploration application $50,000 DMEA 2481 Iron, antimony, copper, manganese

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1124 Third St.
Bakersfield, Calif.

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Branch
DMEA File (3)
Ferrous Metals File
Martha Carr (2)

Martha Carr:bbk
G 4/18/52

IN REPLY REFER TO:

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

April 18, 1952

To: George E. Selfridge, DMEA

From: Martha Carr, USGS

Subject: Exploration application $50,000 DMEA 2481 Iron, antimony, copper, manganese

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Bakersfield, Calif.

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cc: Director's Reading File (4212)
Branch
DMEA File (3)
Ferrous Metals File
Martha Carr (2)

Martha Carr:bbk
G 4/18/52

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-248
Metal or Mineral
Date Received 4-11-52
Amount $
Participation (Government %)

Jack MacPherson
1145 Third St.
Bakersfield, Calif.

Name and address of applicant

Date March 27, 1952

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

DMA Docket Number (if available) _____

INSTRUCTIONS

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

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. Property is recorded as Iron King Mine in Book 16 of Lodes, P. 160, Jefferson Co., Montana

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

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

   Cannot answer, same as above

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

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

RECEIVED
APR 11 1952

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

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

16—64067-2

Rec'd 4-14-52
mes

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By Jack MacEachern (Signature of authorized official)
Mar 29 52 (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—64067-2

3. a. Money will be used to prove and develope mine. I estimate cost of use to be Fifty Thousand Dollars.
   b. Six Months

4. Included.

5. One building and one pump on property both in good condition.

6. One building for air compressor and hoist, two ore bins, air compressor, hoist, two hundred feet of railway track. Two Trucks Three ore cars. Estimated cost-$50,000.00

7. a. None

   b. Trucks, building, air compressor, hoist, track.

   c. Existing equipment above.

8. Mine miners. Prevailing local wage will be paid.

9. None

10. a. Five Thousand Dollars or more if necessary.

    b. Yes.

Form MF-100
(May 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. DMEA-2481

Date received 4-11-52

Joe McBeloron
[illegible] Third St.
Bakersfield, Calif.

Name and address of applicant

Date March 27, 1952

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 11 1952

4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

16—63792-2

Rec'd 4-14-52

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:

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

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

12. Ore or Mineral Reserves:

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

1. a. Iron, Antimony, Copper, Manganese
   b. Gold, Silver, and bismuth.
2. Iron Range, Iron King
   a. One shaft thirty five feet deep.
      One forty foot tunnel
      Mine is flooded at present. Can be pumped clear in one hour per day.
3. a. Three miles from nearest railway spur
   b. Helena Mining district
   c. Not known
   d. ~~XXXXXXXXXXXXXXXXXXXXXXXX~~ Jefferson County, Montana
4. Property is not now in operation.

6. Thirty five years of various mining experience.
7. a. Property was discovered in 1892, was held by the prospectors until purchased in 1948 by applicant. Applicant has been in plumbing business in Bakersfield, California since buying property and has never had opportunity to develope claim until present time.
   b. Neighboring properties have been developed for lead, uranium.
   c. Attached
8. Not applicable. Applicant is not a corporation.
9. None issued.
10. Not Applicable
11. Not Applicable
12. Reports Attached
13. Good roads from mine to shipping point approximately three miles from mine.
14. Spring above mine, approximately fifty gallons per minute
15. No power close by, would have to have gasoline engine to power hoist and jackhammers.
16. Not applicable.
17. One House, good condition. One pump in good condition.
18. Mine can be made self draining by use of tunnel 100feet in length and six feet deep.

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

(Name of company)

By Jack MacEacheron
(Signature of authorized official)

Mar 29-52.
(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

EXPLORATION

Subject: DMEA-2481
Re: Exploration Loan

April 14, 1952

Mr. Jack MacEacheron
1124 Third Street
Bakersfield, California

My dear Mr. MacEacheron:

This will acknowledge receipt of your application dated March 27, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2481 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-2481 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

DMEA-2481

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 8, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 11 1952

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

Dear Sir:

Enclosed are three copies of an application for exploration assistance submitted by Mr. Jack MacEacheron for a property in Jefferson County, Montana.

The fourth copy of the application has been retained in this office to facilitate an early field examination.

Sincerely yours,

K H Gray
Kathryn Gray
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

cc: USBM

DMEA-2481

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

No. 157 Donald Street
Spokane 1, Washington

April 3, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 11 1952

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

Dear Sir:

Enclosed are three copies of an application for exploration assistance submitted by Mr. [illegible] Anderson for a property in Jefferson County, Montana.

The fourth copy of the application has been returned in this office to facilitate an early field examination.

Sincerely yours,

Kathryn Gray
for: A. H. Weisenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

cc: [illegible]

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2481
Metal or Mineral
Date Received 4-11-52
Amount $
Participation (Government %)

Jack MacEacheron
1124 Third St.
Bakersfield, Calif.

Name and address of applicant

Date March 27, 1952

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

DMA Docket Number (if available) _____

INSTRUCTIONS

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

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. Property is recorded as Iron King Mine in Book 42 of Lodes, Pg. 180, Jefferson Co., Montana

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

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.
   Cannot answer, same as above

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

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

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2. (*a*) What metals or minerals do you expect to find? Iron, Uranium, Copper, Antimony, Manganese

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

_____ (Name of company)

By Jack MacEacheron (Signature of authorized official)

Mar 29-52 (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.

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3. a. Money will be used to prove and develope mine. I estimate cost of sme to be Fifty Thousand Dollars.
   b. Six Months

4. Included.

5. One building and one pump on property both in good condition.

6. One building for air compressor and hoist, two ore bins, air compressor, hoist, two hundred feet of railway track. Two Trucks Three ore cars. Estimated cost-$20,000.00

7. a. None

   b. Trucks, building, air compressor, hoist, track.

   c. Existing equipment above.

8. Nine miners. Prevailing local wage will be paid.

9. None

10. a. Five Thousand Dollars or more if necessary.

    b. Yes.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2481

Date received 4-11-52

Jack MacEacheron
1124 Third St.
Bakersfield, Calif.

Name and address of applicant

Date March 27, 1952

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.

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3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - [X] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production Never in Production

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

1. a. Iron, Antimony, Copper, Manganese
   b. Gold, Silver, and bismuth.
2. Iron Range, Iron King
   a. One shaft thirty five feet deep.
      One forty foot tunnel
      Mine is flooded at present. Can be pumped clear in one hour per day.
3. a. Three miles from nearest railway spur.
   b. Helena Mining district
   c. Not known
   d. ~~XXXXXXXXXXXXXXXXXXXXXXXX~~ Jefferson County, Montana
4. Property is not now in operation.

6. Thirty five years of various mining experience.
7. a. Property was discovered in 1902, was held by the prospectors until purchased in 1943 by applicant. Applicant has been in plumbing business in Bakersfield, California since buying property and has never had oportunity to develope claim until present time.
   b. Neighboring properties have been developed for lead, uranium.
   c. Attached
8. Not applicable. Applicant is not a corporation.
9. None issued.
10. Not Applicable
11. Not Applicable
12. Reports Attached
13. Good roads from mine to shipping point approximately three miles from mine.
14. Spring above mine, approximately fifty gallons per minute
15. No power close by, would have to have gasoline engine to power hoist a nd jackhammers.
16. Not applicable.
17. One House, good condition. One pump in good condition.
18. Mine can be made self draining by use of tunnel 100feet in length and six feet deep.

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

(Name of company)

By Jack MacEachern
(Signature of authorized official)

Mar 29-52
(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.

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