Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip Lead-Zinc Cu.

CONTROLLED DOCUMENT

DMEA DMA Docket No. 2259

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Routing Slip

Mr. Moulds
To: Base Metals Br. Date 11-27-51

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IN REPLY REFER TO:

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

May 5, 1952

Memorandum

To: Mr. E. W. Ellis

From: N. E. Nelson

Subject: DMEA-2259 - Iron Mountain Mining Company, Idaho. Field Report by Mr. T. E. Howard.

Comment

The data presented by Mr. Howard justify his denial recommendation and I concur.

N. E. Nelson

N. E. Nelson
Geologist

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

May 5, 1952

Memorandum

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N. E. Nelson

N. E. Nelson
Geologist

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

April 29, 1952

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: Docket No. DMEA 2259, Iron Mountain Mining Company, Washington County, Idaho - Copper $10,000 exploration project

I have just received a copy of the Field Team report on this application and after reading it am forced to concur in the recommendation of a denial. The base metal mineralization is scanty; there is less than one percent of copper, lead and zinc combined in any of the samples, and these were taken from the most richly mineralized showings. The applicant is inexperienced, and informed the engineer that he did not at present have funds to carry out his part of the project.

Mr. Nelson's records do not show that he wrote to you about this report. Therefore, I am sending him the Bureau of Mines copy so that he can review it and give you his opinion.

C. H. Johnson

C. H. Johnson

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 30 1952

FILE COPY
Surname:

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

April 29, 1952

Memorandum

To: E. W. Ellis, DMEA

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Mr. Nelson's records do not show that he wrote to you about this report. Therefore, I am sending him the Bureau of Mines copy so that he can review it and give you his opinion.

C. H. JOHNSON

C. H. Johnson

CHJohnson/rhr
Copy to Mr. Nelson
C. H. Johnson
Minerals Division
Base Metals Branch
Files

~~COPY FOR THE SECRETARY'S OFFICE~~

500

FILE COPY
SURNAME:

Moulds
Thayer
Hedges

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

BL

FEB 14 1952

Mr. Otto Beselack, Manager
Paragon Mines, Inc.
Ophir, Colorado

Re: Docket No. DMA-542
San Bernardo Mine

Dear Mr. Beselack:

We have carefully considered your modified application for exploration assistance in driving a drift around the caved section of the #5 level tunnel and rehabilitating additional sections of the tunnel.

In our opinion the proposed work is essentially preparatory to extraction of the blocked out and partially broken ore existing in stopes above this level and that data derived from the proposed work will not materially add to the information presently available.

Mineral Order-5 states that the Government shall not participate in work prosecuted primarily for mining or preparation for mining and shall not go beyond discovery and reasonable delineation. Under these regulations, therefore, we are unable to approve your application for exploration project assistance.

Sincerely yours,

C. O. Mittendorf (for) 2/14/52

Acting Administrator,
Defense Minerals Exploration
Administration.

DEMoulds/hmj
2-1-52
ccto: Adm. R. File
Docket File Copy
Mr. Bishop
Mr. McKnight
Mr. Moulds
Region IV (2)

500
FILE COPY
SURNAME:

J.A.
2-12-52

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

J.W.A.
Moulds
Rodgers
Hager

FEB 12 1952

Mr. Frank Mortimer, President
Iron Mountain Mining Co., Inc.
Box 523
Weiser, Idaho

Re: Docket No. DMEA-2259
Iron Mountain Mining Co.

Dear Mr. Mortimer:

With reference to your application of August 28, 1951 for exploration project assistance proposing drifting and crosscutting, the Government has made a detailed study of the data submitted by you, and, also, all geological and field data presently available.

We find that prior exploration conducted by driving tunnels, test pits and open cuts, has not indicated the possibility of finding significant mineralization on the property. Your proposal to further explore the mineralized zone exposed in the old workings immediately above the adit portal, therefore, does not appear to be sufficiently supported by geological evidence to substantiate the possibility of making a discovery which would result in a worthwhile production of base metal. Your application for exploration project assistance under Mineral Order 5 is, therefore, denied.

We appreciate the opportunity to review your project in the interest of strategic mineral discovery and ultimate production, and regret that it does not fulfill the requirements for Government participation.

As per your request, we are returning your maps.

Sincerely yours,

C. O. Mittendorf (for)
Acting Administrator
Defense Minerals Exploration
Administration

J.N.
2-12-52

Enclosures - 2

JWAlt/hmj
2-7-52
cc to: Adm. R. File
Docket File Copy
Mr. Bishop
Mr. McKnight
Mr. Alt
Mr. Moulds
Region II

FILE COPY
SURNAME:

J.W.C.
Moulds

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

February 7, 1952

Memorandum

To: C. O. Mittenderf
Acting Administrator

From: Base Metals Division

Subject: Recommendation for denial of application for exploration project assistance. Docket No. [illegible]-2259, Iron Mountain Mining Co., Inc. Box 523, Weiser, Idaho, lead-zinc.

The subject application for exploration project assistance was made for a project amounting to $10,000 under date of August 28, 1951, with Region II. Region II transmitted three sets of the application to this office under date of November 20, 1951 and stated: "Inasmuch as engineers of the Bureau of Mines are familiar with the property, a report with appropriate recommendations is in preparation, and the fourth copy of the application is being retained here to facilitate the preparation of this report". The report of the Field Team was received in Washington on January 17, 1951.

The Property:

The property, which consists of the Portiner Group of unpatented claims, is in Sections 14 and 23, T. 14 N., R. 6 W., B. M., Iron Mountain Mining District, Washington County, Idaho. The proposed exploration project is limited to two of these claims (Hope, Pioneer) in Section 23. The applicant stated that the claims were wholly owned by the corporation.

The principal mine working is a crosscut adit driven at an altitude of 5,079 feet to intersect a weakly mineralized pyrite-chalcopyrite vein exposed in an outcrop. An inclined shaft sunk near the outcrop and reported to have attained a depth of 80 feet now is caved and inaccessible. About 1,500 feet south and 200 feet lower than the adit portal, a short, 60 foot adit, penetrates a similar mineralized zone. About 30 feet lower at creek level the applicant

BL

has started a crosscut, now 100 feet long, to intersect the zone. Due to financial difficulties no work has been done during the past two years. A number of shallow pits and cuts complete the workings of the property.

Facilities installed on the property consist of one bunkhouse adequate to house four men, a small blacksmith shop, and a combination storehouse and compressor shed, all located near the upper adit portal.

Equipment on the property which can be used for the project consists of the following: 1 - 105 CFM compressor, 2 - muck cars, 1 - air receiver, 1 - jackhammer, pipe and rails.

Geology:

The deposit for which exploration aid is requested is a weak, irregular fracture zone in marble, mineralized with pyrite and chalcopyrite and oxides of iron and copper which is exposed in an old adit driven before the turn of the century. Leaching has removed some of the sulfides, but small masses of pyrite remain. The dominant features are nearly vertical and strike east and west. A 100-foot adit driven by the applicant from creek level about 30 feet lower has not yet penetrated the zone. A sample taken in the old adit contained 0.30 percent copper, 0.29 percent zinc, and less than 0.10 percent lead.

A fracture containing 3 feet of iron and anganese oxides, striking N. 15° E. and dipping 80° E. is exposed in a cut 200 feet Northeast of and 90 feet above the old workings.

The upper level workings about 1500 feet north and 200 feet higher than those described, explore a similar, though stronger zone, cropping out about 60 feet above. The outcrop is leached, and there has been some leaching at the depth of the adit, but unoxidized portions remain. Samples taken over narrow widths in the best spots, showed from 0.18 to 0.40 percent zinc, 0.02 percent copper, and less than 0.10 percent lead. A number of drifts and crosscuts driven south of the adit to explore the various stringers in the mineralized zone failed to penetrate a minable grade of ore.

The Project:

The applicant proposes to extend the lower adit level 500 feet to intersect and drift along a mineralized zone exposed in the old workings, immediately above the adit portal and crosscut the ore zone at 100 foot intervals in the drift for sampling. The total amount

of crosscut not to exceed 100 feet.

Equipment to be purchased would consist of the following: 1-jackhammer with mounting, 1 - set air and water hose and miscellaneous small tools. Estimated cost of these items would be $660.

The applicant estimates that the total cost of the project would be $10,000. The Field Team estimates that the proposed work would require an expenditure of $15,563.50.

The applicant stated to the Field Team that the company did not have sufficient funds to contribute its share of the cost of the program. However, he believed that he can raise the amount by stock sale, if the Government approves the requested loan.

Conclusions:

The Field Team examination concludes that the fractures have already been adequately explored with negative results and thus are not worthy of further exploration.

Recommendations:

The Field Team report indicates that the proposed program would cost considerably more than the applicant's estimate. It would explore a zone similar to and at the same level as one already explored without favorable production possibilities. It is, therefore, recommended that the attached letter of denial be sent to the applicant together with the maps which the applicant has requested to be returned.

D. E. Moulds meh

D. E. Moulds

JWAlt/hmj
2-7-52
cc to: Adm. R. File
Docket File Copy
Mr. Moulds
Mr. Alt

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

February 7, 1952

Memorandum

To: C. O. Mittendorf
Acting Administrator

From: Base Metals Division

Subject: Recommendation for denial of application for exploration project assistance. Docket No. DMEA-2259, Iron Mountain Mining Co., Inc. Box 523, Weiser, Idaho, Lead-zinc.

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The Property:

The property, which consists of the Mortimer Group of unpatented claims, is in Sections 14 and 23, T. 14 N., R. 6 W., B. M., Iron Mountain Mining District, Washington County, Idaho. The proposed exploration project is limited to two of these claims (Hope, Pioneer) in Section 23. The applicant stated that the claims were wholly owned by the corporation.

The principal mine working is a crosscut adit driven at an altitude of 5,679 feet to intersect a weakly mineralized pyrite-chalcopyrite vein exposed in an outcrop. An inclined shaft sunk near the outcrop and reported to have attained a depth of 80 feet now is caved and inaccessible. About 1,500 feet south and 200 feet lower than the adit portal, a short, 60 foot adit, penetrates a similar mineralized zone. About 30 feet lower at creek level the applicant

has started a crosscut, now 100 feet long, to intersect the zone. Due to financial difficulties no work has been done during the past two years. A number of shallow pits and cuts complete the workings of the property.

Facilities installed on the property consist of one bunkhouse adequate to house four men, a small blacksmith shop, and a combination storehouse and compressor shed, all located near the upper adit portal.

Equipment on the property which can be used for the project consists of the following: 1 - 105 CFM compressor, 2 - muck cars, 1 - air receiver, 1 - jackhammer, pipe and rails.

Geology:

The deposit for which exploration aid is requested is a weak, irregular fracture zone in marble, mineralized with pyrite and chalcopyrite and oxides of iron and copper which is exposed in an old adit driven before the turn of the century. Leaching has removed some of the sulfides, but small masses of pyrite remain. The dominant features are nearly vertical and strike east and west. A 100-foot adit driven by the applicant from creek level about 30 feet lower has not yet penetrated the zone. A sample taken in the old adit contained 0.30 percent copper, 0.29 percent zinc, and less than 0.10 percent lead.

A fracture containing 3 feet of iron and manganese oxides, striking N. 15° E. and dipping 80° E. is exposed in a cut 200 feet Northeast of and 90 feet above the old workings.

The upper level workings about 1500 feet north and 200 feet higher than those described, explore a similar, though stronger zone, cropping out about 60 feet above. The outcrop is leached, and there has been some leaching at the depth of the adit, but unoxidized portions remain. Samples taken over narrow widths in the best spots, showed from 0.18 to 0.40 percent zinc, 0.02 percent copper, and less than 0.10 percent lead. A number of drifts and crosscuts driven south of the adit to explore the various stringers in the mineralized zone failed to penetrate a minable grade of ore.

The Project:

The applicant proposes to extend the lower adit level 500 feet to intersect and drift along a mineralized zone exposed in the old workings, immediately above the adit portal and crosscut the ore zone at 100 foot intervals in the drift for sampling. The total amount

of crosscut not to exceed 100 feet.

Equipment to be purchased would consist of the following: 1 - jackhammer with mounting, 1 - set air and water hose and miscellaneous small tools. Estimated cost of these items would be $680.

The applicant estimates that the total cost of the project would be $10,000. The Field Team estimates that the proposed work would require an expenditure of $15,563.50.

The applicant stated to the Field Team that the company did not have sufficient funds to contribute its share of the cost of the program. However, he believed that he can raise the amount by stock sale, if the Government approves the requested loan.

Conclusions:

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D. E. Moulds

D. E. Moulds

IN REPLY REFER TO:

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

February 5, 1952

Memorandum

To: Mr. D. E. Moulds, DMEA

From: Mr. Erwin J. Lyons, USGS

Subject: Docket DMEA-2259, Iron Mountain Mining, Weiser, Idaho

The field team recommends that this application be denied and the present reviewer concurs with this recommendation.

The applicant has requested that his maps be returned.

Erwin J. Lyons
Erwin J. Lyons
Geologist

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

February 5, 1952

Memorandum

To: Mr. D. E. Moulds, DMEA

From: Mr. Erwin J. Lyons, USGS

Subject: Docket DMEA-2259, Iron Mountain Mining, Weiser, Idaho

The field team recommends that this application be denied and the present reviewer concurs with this recommendation.

The applicant has requested that his maps be returned.

Erwin J. Lyons
Geologist

January 30, 1952

Re: DMEA Docket No. 2259
Iron Mt. Mining Co.
Washington County, Idaho

Recommendations:

The field team have recommended the denial of this application based on the reasons summarized as follows:

The deposit proposed for exploration is a weak sparsely mineralized irregular fracture zone in marbleized limestone. Although considerable exploration work has been done upon the property it has produced little if any ore. A sample taken in an adit on the fracture some 30 feet above the objective of the proposed work, contained 0.30 percent copper, 0.20 percent zinc and less than 0.10 percent lead. In the principal workings on a similar but stronger fracture zone, located about 1,500 feet north of the proposed work the samples, taken over narrow widths, in the best spots, contained from 0.18 to 0.4 percent zinc, 0.02 percent copper and less than 0.10 percent lead. From this evidence the field examiner concludes that the fractures have already been adequately explored with negative results and thus are not worthy of further exploration. It would appear that the reasons given by the field team are sufficient to recommend the denial of the application.

O M Bishop, USBM

January 30, 1952

Re: DMEA Docket No. 2259
Iron Mt. Mining Co.
Washington County, Idaho

Recommendations:

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O M Bishop, USBM.

Da.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1201 N. Division St.
Spokane 2, Wash.
January 10, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 17 1952

Reviewed by
DMEA OPERATING COMMITTEE
1-23-52
(date)

MEMORANDUM

To: Chairman, Operating Committee, DMEA, Washington 25, D. C. HB

From: Field Team, Region II

Subject: Iron Mountain Mining Co., Washington County, Idaho
Commodity: Copper
Docket No. 2259

The Field Team, in agreement with the examining engineer, considers it advisable that the applicant's request for exploration assistance for the subject property be denied.

The deposit was considered in 1942, 1943, and 1944 by the U. S. Geological Survey and the Bureau of Mines as a potential source of iron and copper ores.

Assistance currently is requested for the exploration of a weak fracture filling and replacement structure in marble containing oxides and sulfides of iron, copper, zinc, and sparse lead. The samples cut at the strongest exposures of this vein structure indicated the base metal content to be extremely low. Exploration of the vein structure completed to date can be considered adequate. The Field Team believes that further exploration of the deposit is not warranted at this time.

A memorandum report concerning the property by T. E. Howard, mining engineer, U. S. Bureau of Mines, is enclosed (4 copies) for review, accompanied by 1 copy each of Forms MF-100 and MF-103 and attached maps.

By Field Team, Region II

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

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

Enclosures

cc: USGS, Spokane

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1201 North Division Street,
Spokane 2, Washington
December 28, 1951

Dmea 2259

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 17 1952

Reviewed by
DMEA OPERATING COMMITTEE

(date)

MEMORANDUM

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

From: T. E. Howard, Mining Engineer, U. S. Bureau of Mines

Subject: Iron Mountain Mining Company, Washington County, Idaho.
Docket No. DMEA
Commodity:

RECOMMENDATIONS

It is recommended that the application of the Iron Mountain Mining Company for Government assistance to conduct an exploration program to cost $10,000 be denied.

APPLICANT

The applicant is the Iron Mountain Mining Company, an Idaho corporation, whose principal place of business is Weiser, Idaho. Its officers are Frank Mortimer, president, George Petrashek, secretary-treasurer, and John Mason, Director, all of Weiser.

LOCATION

The property, which consists of the Mortimer Group of unpatented claims is in secs. 14 and 23, T. 14 N., R. 6 W., B.M., Iron Mountain Mining District, Washington County, Idaho. The proposed exploration project is limited to two of these claims (Hope, Pioneer) in sec. 23.

OWNERSHIP

The applicant stated that the claims were wholly owned by the corporation. A substantiating check of the courthouse records was not made.

HISTORY AND PAST PRODUCTION

Although the property has been prospected since the discovery of iron ores near Mineral before the turn of the century it has no recorded history of production. It was investigated by representatives of the U. S. G. S. in 1942 and 1943 as a possible source of iron. Its iron deposits

are the subject of a War Minerals report issued in January, 1944. A copper-gold-silver deposit exposed in the upper level adit 200 feet above and 1,500 feet north of the present work site was examined and described in a War Minerals memorandum by an engineer of the U. S. B. M. in 1944.

DESCRIPTION OF PROPOSAL

The applicant proposes to extend the lower adit level 500 feet to intersect and drift along a mineralized zone exposed in the old workings immediately above the adit portal. Crosscutting of the ore zone at 100-foot intervals in the drift, the total amount not to exceed 100 feet also is proposed.

TECHNICAL FEASIBILITY

Geologic Setting

The geology of the area has been described by J. Hoover Mackin in a report concerning the iron ore deposits of the Iron Mountain Mining District. 1/ The following is abstracted from the above report:

"The oldest rocks in the district are a group of metasediments, possibly including metamorphosed felsites of Paleozoic age. The dominant structural trends in the metamorphic rocks are northerly and northeasterly. The metamorphics were intruded by a granitic or granodioritic batholith and high temperature replacement veins and pods of pyrite, magnetite and chalcopyrite were formed.

"The batholith was then deroofed and the district covered in part by flows of andesite porphyry. The extension of the andesite was followed by an overthrust from the northwest of Paleozoic sedimentary and volcanic rocks.

"At some time subsequent to the emplacement of the thrust rocks, the district was cut by a system of north-south faults, the faulting being accompanied by westward tilting of the individual blocks. Finally, probably during the Miocene, the area was covered by flows of cobalt."

The deposit for which exploration aid is requested is a weak, irregular fracture zone in marble, mineralized with pyrite and chalcopyrite and oxides of iron and copper which is exposed in an old adit driven before the turn of the century. Leaching has removed some of the sulfides, but small masses of pyrite remain. The dominant features are nearly vertical and strike east and west. A 100- foot adit driven by the applicant from creek level about 30 feet lower has not yet penetrated the zone. A chip sample taken from a sulfide pod in the east wall of the old adit contained 0.30 percent copper, 0.29 percent zinc, and less than 0.10 percent lead.

1/ Macklin, J. H. "Iron Ore Deposits of the Iron Mountain District", U. S. Geological Survey, May 1944.

A fracture containing 3 feet of iron and manganese oxides, striking N. 15° E. and dipping 80° E. is exposed in a cut 200 feet northeast of and 90 feet above the old workings.

The upper level workings about 1500 feet north and 200 feet higher than those just described explore a similar, though stronger zone, cropping out about 160 feet above. The outcrop is leached and there has been some leaching at the depth of the adit, but unoxidized portions remain. Samples taken over narrow widths in the best spots showed from 0.18 to 0.40 percent zinc, 0.02 percent copper, and less than 0.10 percent lead. A number of drifts and crosscuts driven south of the adit to explore the various stringers in the mineralized zone failed to penetrate commercial ore.

The applicant reports that radioactivity has been detected in a number of places in the upper level drifts. Samples of rock taken from these places failed to excite a geiger counter.

MINE WORKINGS

The principal mine working is a crosscut adit driven at an altitude of 5,679 feet to intersect a weakly mineralized pyrite-chalcopyrite vein exposed in an outcrop. Although the crosscut intersected the zone at about 500 feet commercial ore was not disclosed either in the crosscut or in the extensive drift driven south from the adit (see attached map). An inclined shaft sunk near the outcrop and reported to have attained a depth of 80 feet now is caved and inaccessible.

About 1,500 feet south and 200 feet lower than the adit portal a short (60 feet) adit, driven prior to 1900, penetrates a similar mineralized zone. About 30 feet lower at creek level the applicant has started a crosscut, now 100 feet long, to intersect the zone. Due to financial difficulties no work has been done during the past two years.

A number of shallow pits and cuts complete the workings of the property.

ORE RESERVES

A War Minerals report issued in 1944 by the Bureau of Mines states that the property contains a reserve of 200,000 tons of indicated and inferred magnetite iron ore with an estimated grade of 55 percent iron. No measured reserves exist on the property.

MINING METHODS

As no ore has been developed a mining method cannot be predicted nor a cost estimate made.

MILLING METHODS

As far as can be determined no milling tests have been made on ore from the property. Determination of a milling method and its cost would have to be based on the results of metallurgical testing.

RATE OF PRODUCTION

Present

The property is not producing at present.

Anticipated

The applicant stated that future rate of production will depend on the results of the proposed exploration.

TIME SCHEDULE TO ATTAIN OBJECTIVES

With a one shift per day working schedule, eight operating months would be required to complete the project.

MARKETING FACILITIES

Ores or concentrates could be marketed at one of the smelters in the Salt Lake valley.

EQUIPMENT AND FACILITIES

Installed

Facilities installed on the property consist of one bunkhouse adequate to house four men, a small blacksmith shop and a combination storehouse and compressor shed, all located near the upper adit portal.

Equipment on the property which can be used for the project consists of the following:

Item	Replacement Value	Monthly Depreciation Allowance
1 - 105 CFM compressor	3,000.00	$50.00
2 - muck cars	180.00	3.00
1 - air receiver	240.00	4.00
1 - jackhammer	360.00	6.00
	Total	$63.00

Sufficient pipe and rail have been salvaged from the upper level to complete the proposed program.

REQUIRED

Equipment requirements to be purchased consist of the following:

Item	Estimated Cost
1 jackhammer with mounting	$600.00
1 set air and water hose	70.00
Miscellaneous small tools	100.00
Total	$680.00

LABOR SUPPLY

While the labor supply in the area is limited, the applicant anticipates no difficulty in obtaining the small force necessary for the project. The applicant proposes to pay miners $13.00 per shift and muckers $9.00 per shift.

POWER

Electric power is not available on the property. Power requirements for the proposed project can be met either by gasoline or diesel power units.

TRANSPORTATION

The property is about 30 miles from the railhead at Weiser, Idaho. Of this distance 13 miles is paved highway, 9 miles is unimproved Forest Service road and 8 miles is private road built by the applicant. At the present time the route is passable with the exception of about 1,500 feet of bulldozer road connecting the upper and lower level mine workings. The unpaved portion of the road is adequate for the transportation of supplies necessary for the proposed exploration project, but considerable grading and local widening would be required before the last eight miles could be used for ore transport. The entire unpaved portion would require surfacing to provide an all weather road.

The applicant estimates that ore could be trucked to Weiser for $2.00 per ton and shipped by rail to a Salt Lake smelter for $3.50 per ton making a total shipping cost of $5.50 per ton.

Boise, Idaho, 80 miles from Weiser and 110 miles from the property, is the nearest supply point.

ADEQUACY OF REQUESTED FUNDS

Funds requested are not considered adequate as shown by the following cost recapitulation:

Supervision - 8 mo. @ $200.00	$1,600.00
Labor - 600 man shifts @ $10.33/shift	6,200.00
Payroll insurance (9%)	702.00
Powder - 3-1/2 T @ $435.00/ton	1,522.50
Caps - 2,500 @ .0216	54.00
Fuse - 13,000 ft. @ .012	156.00
Gasoline and lubricating oil	1,100.00
Timber	600.00
Bits and steel	850.00
Miscellaneous supplies and transportation costs	500.00
500 ft. 2" pipe @ $0.30/ft	150.00
2 tons 12# rail @ $110.00	220.00
Ties, spikes, splice plates	125.00
Equipment purchase	680.00
Engineering, geology, sampling and assaying	600.00
Depreciation allowance on operators equipment (8 mo. @ $63.00)	504.00
Total	$15,563.50

The above estimate is based on an assumed average advance of 4 feet per shift.

The applicant stated that the company did not have sufficient funds to contribute its share of the cost of the program. However, he believed that he can raise the amount by stock sale if the Government approves the requested loan.

COMPETENCE OF APPLICANT

The applicant is not considered competent to carry out the proposed program. Frank Mortimer, corporation president in direct charge of the operation, is a retired businessman 76 years old. While he appears to be widely read in subjects related to mining, his experience has been limited to unsuccessful exploration work performed on the property over the past twenty years.

DISCUSSION OF PROPOSAL

The applicant believes that the mineralized zone is the south extension of the zone explored by the upper level workings. Furthermore, the applicant considers that values will increase with the additional depth to be obtained by the lower level. Surface exposures near the upper workings

indicate that this zone does extend south but the wide gap between the lower zone exposures does not assure a continuous vein. The proposed 500 feet of drifting will attain only a little more depth than was obtained on the upper level.

Inasmuch as the proposed program, which would cost considerably more than the applicant's estimate, would explore a zone similar to and at the same level as one already proved non-commercial it is recommended that the application be denied.

This is Mr. Mills's office copy - Please return

1201 N. Division St.
Spokane 2, Wash.
January 10, 1952

MEMORANDUM

To: Chairman, Operating Committee, DMEA, Washington 25, D. C.

From: Field Team, Region II

Subject: Iron Mountain Mining Co., Washington County, Idaho
Commodity: Copper
Docket No. 2259

The Field Team, in agreement with the examining engineer, considers it advisable that the applicant's request for exploration assistance for the subject property be denied.

The deposit was considered in 1942, 1943, and 1944 by the U. S. Geological Survey and the Bureau of Mines as a potential source of iron and copper ores.

Assistance currently is requested for the exploration of a weak fracture filling and replacement structure in marble containing oxides and sulfides of iron, copper, zinc, and sparse lead. The samples cut at the strongest exposures of this vein structure indicated the base metal content to be extremely low. Exploration of the vein structure completed to date can be considered adequate. The Field Team believes that further exploration of the deposit is not warranted at this time.

A memorandum report concerning the property by T. E. Howard, mining engineer, U. S. Bureau of Mines, is enclosed (4 copies) for review, accompanied by 1 copy each of Forms MF-100 and MF-103 and attached maps.

By Field Team, Region II

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

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

Enclosures

cc: USGS, Spokane

DMEA 2259

1201 North Division Street,
Spokane 2, Washington
December 28, 1951

Reviewed by
DMEA OPERATING COMMITTEE
1-23-52
(date) 243

MEMORANDUM

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

From: T. R. Howard, Mining Engineer, U. S. Bureau of Mines

Subject: Iron Mountain Mining Company, Washington County, Idaho.
Docket No. DMEA
Commodity:

RECOMMENDATIONS

It is recommended that the application of the Iron Mountain Mining Company for Government assistance to conduct an exploration program to cost $10,000 be denied.

APPLICANT

The applicant is the Iron Mountain Mining Company, an Idaho corporation, whose principal place of business is Weiser, Idaho. Its officers are Frank Mortimer, president, George Petrachek, secretary-treasurer, and John Mason, Director, all of Weiser.

LOCATION

The property, which consists of the Mortimer Group of unpatented claims is in secs. 14 and 23, T. 14 N., R. 6 W., B.M., Iron Mountain Mining District, Washington County, Idaho. The proposed exploration project is limited to two of these claims (Hope, Pioneer) in sec. 23.

OWNERSHIP

The applicant stated that the claims were wholly owned by the corporation. A substantiating check of the courthouse records was not made.

HISTORY AND PAST PRODUCTION

Although the property has been prospected since the discovery of iron ores near Mineral before the turn of the century it has no recorded history of production. It was investigated by representatives of the U. S. G. S. in 1942 and 1943 as a possible source of iron. Its iron deposits

are the subject of a War Minerals report issued in January, 1944. A copper-gold-silver deposit exposed in the upper level adit 200 feet above and 1,500 feet north of the present work site was examined and described in a War Minerals memorandum by an engineer of the U. S. B. M. in 1944.

DESCRIPTION OF PROPOSAL

The applicant proposes to extend the lower adit level 500 feet to intersect and drift along a mineralized zone exposed in the old workings immediately above the adit portal. Crosscutting of the ore zone at 100-foot intervals in the drift, the total amount not to exceed 100 feet also is proposed.

TECHNICAL FEASIBILITY

Geologic Setting

The geology of the area has been described by J. Hoover Mackin in a report concerning the iron ore deposits of the Iron Mountain Mining District. 1/ The following is abstracted from the above report:

"The oldest rocks in the district are a group of metasediments, possibly including metamorphosed felsites of Paleozoic age. The dominant structural trends in the metamorphic rocks are northerly and northeasterly. The metamorphics were intruded by a granitic or granodioritic batholith and high temperature replacement veins and pods of pyrite, magnetite and chalcopyrite were formed.

"The batholith was then deroofed and the district covered in part by flows of andesite porphyry. The extension of the andesite was followed by an overthrust from the northwest of Paleozoic sedimentary and volcanic rocks.

"At some time subsequent to the emplacement of the thrust rocks, the district was cut by a system of north-south faults, the faulting being accompanied by westward tilting of the individual blocks. Finally, probably during the Miocene, the area was covered by flows of basalt."

The deposit for which exploration aid is requested is a weak, irregular fracture zone in marble, mineralized with pyrite and chalcopyrite and oxides of iron and copper which is exposed in an old adit driven before the turn of the century. Leaching has removed some of the sulfides, but small masses of pyrite remain. The dominant features are nearly vertical and strike east and west. A 100- foot adit driven by the applicant from creek level about 30 feet lower has not yet penetrated the zone. A chip sample taken from a sulfide pod in the east wall of the old adit contained 0.30 percent copper, 0.29 percent zinc, and less than 0.10 percent lead.

1/ Mackin, J. H. "Iron Ore Deposits of the Iron Mountain District", U. S. Geological Survey, May 1944.

A fracture containing 3 feet of iron and manganese oxides, striking N. 15° E. and dipping 80° E. is exposed in a cut 200 feet northeast of and 90 feet above the old workings.

The upper level workings about 1500 feet north and 200 feet higher than those just described explore a similar, though stronger zone, cropping out about 160 feet above. The outcrop is leached and there has been some leaching at the depth of the adit, but unoxidized portions remain. Samples taken over narrow widths in the best spots showed from 0.15 to 0.40 percent zinc, 0.02 percent copper, and less than 0.10 percent lead. A number of drifts and crosscuts driven south of the adit to explore the various stringers in the mineralized zone failed to penetrate commercial ore.

The applicant reports that radioactivity has been detected in a number of places in the upper level drifts. Samples of rock taken from these places failed to excite a geiger counter.

MINE WORKINGS

The principal mine working is a crosscut adit driven at an altitude of 5,679 feet to intersect a weakly mineralized pyrite-chalcopyrite vein exposed in an outcrop. Although the crosscut intersected the zone at about 500 feet commercial ore was not disclosed either in the crosscut or in the extensive drift driven south from the adit (see attached map). An inclined shaft sunk near the outcrop and reported to have attained a depth of 80 feet now is caved and inaccessible.

About 1,500 feet south and 200 feet lower than the adit portal a short (60 feet) adit, driven prior to 1900, penetrates a similar mineralized zone. About 30 feet lower at creek level the applicant has started a crosscut, now 100 feet long, to intersect the zone. Due to financial difficulties no work has been done during the past two years.

A number of shallow pits and cuts complete the workings of the property.

ORE RESERVES

A War Minerals report issued in 1944 by the Bureau of Mines states that the property contains a reserve of 200,000 tons of indicated and inferred magnetite iron ore with an estimated grade of 55 percent iron. No measured reserves exist on the property.

MINING METHODS

As no ore has been developed a mining method cannot be predicted nor a cost estimate made.

MILLING METHODS

As far as can be determined no milling tests have been made on ore from the property. Determination of a milling method and its cost would have to be based on the results of metallurgical testing.

RATE OF PRODUCTION

Present

The property is not producing at present.

Anticipated

The applicant stated that future rate of production will depend on the results of the proposed exploration.

TIME SCHEDULE TO ATTAIN OBJECTIVES

With a one shift per day working schedule, eight operating months would be required to complete the project.

MARKETING FACILITIES

Ores or concentrates could be marketed at one of the smelters in the Salt Lake valley.

EQUIPMENT AND FACILITIES

Installed

Facilities installed on the property consist of one bunkhouse adequate to house four men, a small blacksmith shop and a combination storehouse and compressor shed, all located near the upper adit portal.

Equipment on the property which can be used for the project consists of the following:

Item	Replacement Value	Monthly Depreciation Allowance
1 - 105 CFM compressor	3,000.00	$50.00
2 - muck cars	180.00	3.00
1 - air receiver	240.00	4.00
1 - jackhammer	360.00	6.00
	Total	$63.00

Sufficient pipe and rail have been salvaged from the upper level to complete the proposed program.

REQUIRED

Equipment requirements to be purchased consist of the following:

Item	Estimated Cost
1 jackhammer with mounting	$600.00
1 set air and water hose	70.00
Miscellaneous small tools	100.00
Total	$680.00

LABOR SUPPLY

While the labor supply in the area is limited, the applicant anticipates no difficulty in obtaining the small force necessary for the project. The applicant proposes to pay miners $13.00 per shift and muckers $9.00 per shift.

POWER

Electric power is not available on the property. Power requirements for the proposed project can be met either by gasoline or diesel power units.

TRANSPORTATION

The property is about 30 miles from the railhead at Weiser, Idaho. Of this distance 13 miles is paved highway, 9 miles is unimproved Forest Service road and 8 miles is private road built by the applicant. At the present time the route is passable with the exception of about 1,500 feet of bulldozer road connecting the upper and lower level mine workings. The unpaved portion of the road is adequate for the transportation of supplies necessary for the proposed exploration project, but considerable grading and local widening would be required before the last eight miles could be used for ore transport. The entire unpaved portion would require surfacing to provide an all weather road.

The applicant estimates that ore could be trucked to Weiser for $2.00 per ton and shipped by rail to a Salt Lake smelter for $3.50 per ton making a total shipping cost of $5.50 per ton.

Boise, Idaho, 80 miles from Weiser and 110 miles from the property, is the nearest supply point.

ADEQUACY OF REQUESTED FUNDS

Funds requested are not considered adequate as shown by the following cost recapitulation:

Supervision - 8 mo. @ $200.00	$1,600.00
Labor - 600 man shifts @ $10.33/shift	6,200.00
Payroll insurance (9%)	702.00
Powder - 3-1/2 T @ $435.00/ton	1,522.50
Caps - 2,500 # .0216	54.00
Fuse - 13,000 ft. @ .012	156.00
Gasoline and lubricating oil	1,100.00
Timber	600.00
Bits and steel	850.00
Miscellaneous supplies and transportation costs	500.00
500 ft. 2" pipe @ $0.30/ft	150.00
2 tons 12# rail @ $110.00	220.00
Ties, spikes, splice plates	185.00
Equipment purchase	680.00
Engineering, geology, sampling and assaying	400.00
Depreciation allowance on operators equipment (8 mo. @ $63.00)	504.00
Total	$15,543.50

The above estimate is based on an assumed average advance of 4 feet per shift.

The applicant stated that the company did not have sufficient funds to contribute its share of the cost of the program. However, he believed that he can raise the amount by stock sale if the Government approves the requested loan.

COMPETENCE OF APPLICANT

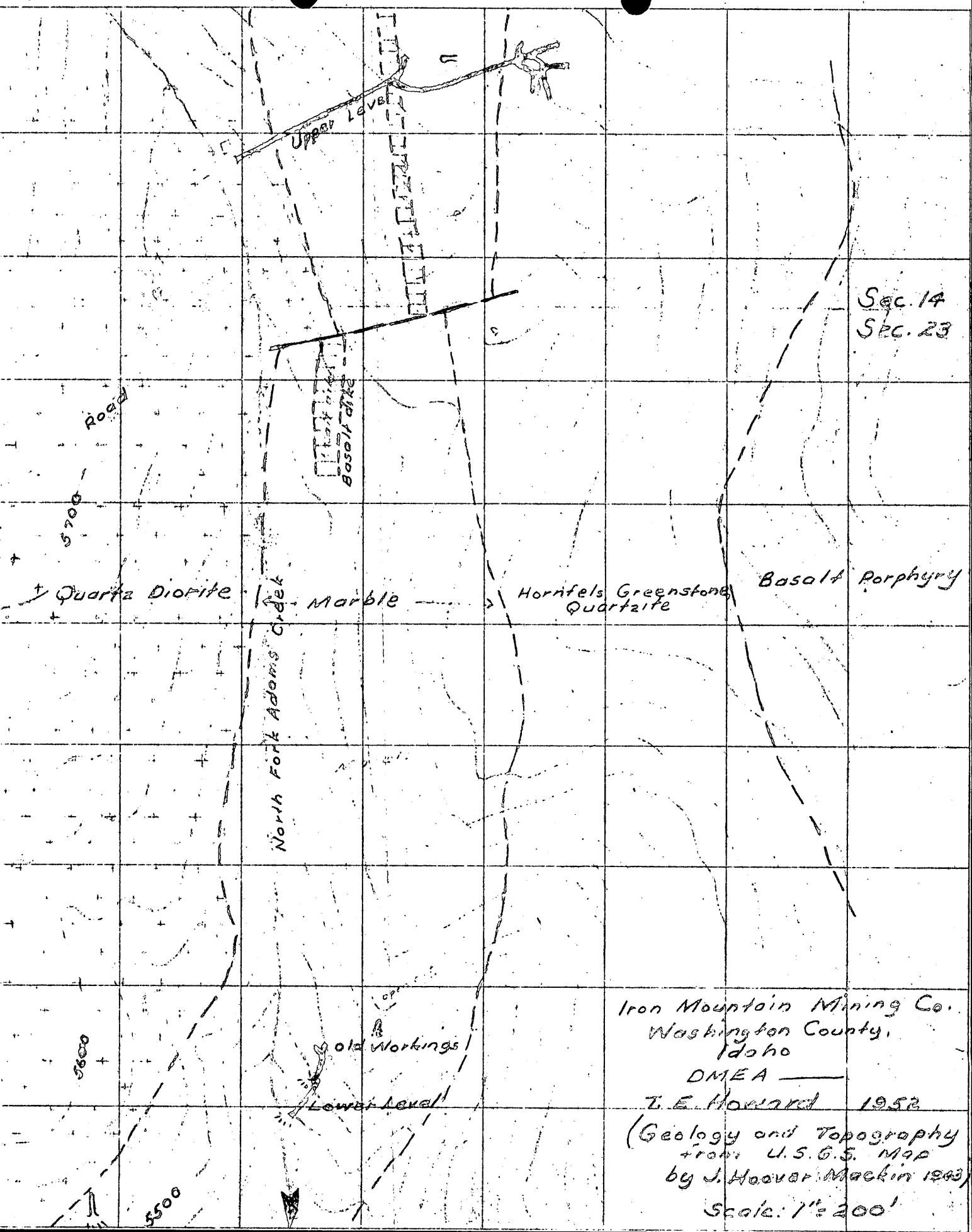
The applicant is not considered competent to carry out the proposed program. Frank Martimer, corporation president in direct charge of the operation, is a retired businessman 76 years old. While he appears to be widely read in subjects related to mining, his experience has been limited to unsuccessful exploration work performed on the property over the past twenty years.

DISCUSSION OF PROPOSAL

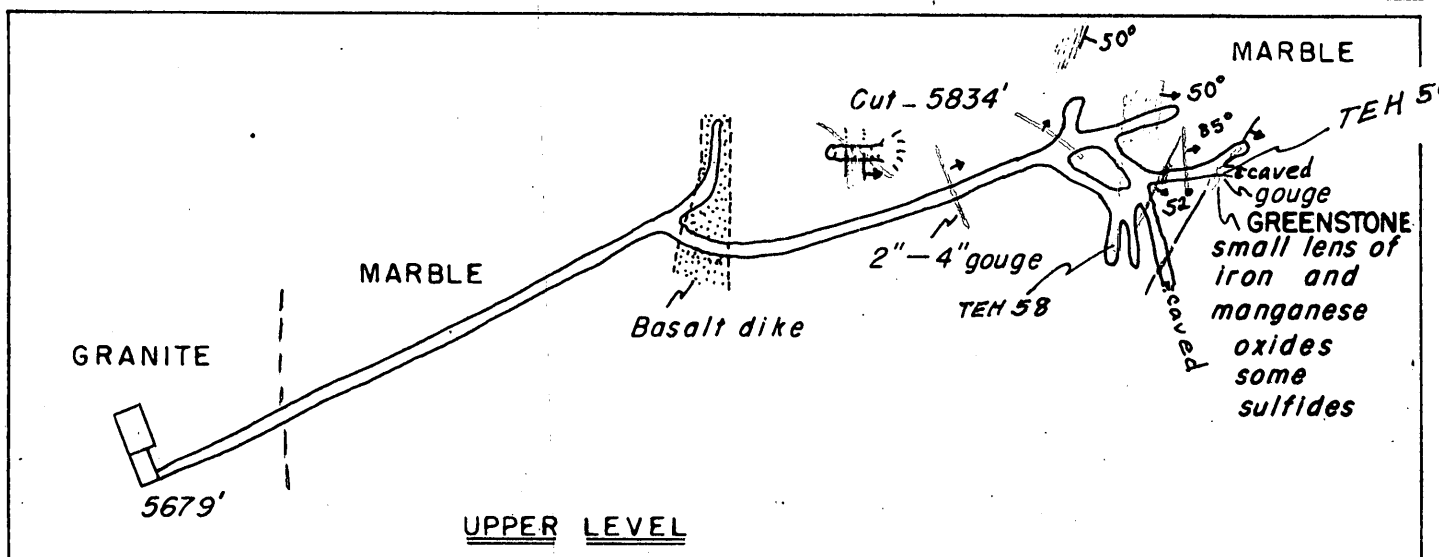
The applicant believes that the mineralized zone is the south extension of the zone explored by the upper level workings. Furthermore, the applicant considers that values will increase with the additional depth to be obtained by the lower level. Surface exposures near the upper workings

indicate that this zone does extend north but the wide gap between the lower zone exposures does not assure a continuous vein. The proposed 500 feet of drifting will attain only a little more depth than was obtained on the upper level.

Inasmuch as the proposed program, which would cost considerably more than the applicant's estimate, would explore a zone similar to and at the same level as one already proved non-commercial it is recommended that the application be denied.


Upper Level
Sec. 14
Sec. 23
Road
5700
Basalt dike
Quartz Diorite
Marble
Hornfels Greenstone
Quartzite
Basalt Porphyry
North Fork Adams Creek
Old Workings
Lower Level
5600
5500
Iron Mountain Mining Co.
Washington County,
Idaho
DMEA
T. E. Howard 1952
(Geology and Topography
from U.S.G.S. Map
by J. Hoover Mackin 1943)
Scale: 1" = 200'

D.M.E.A Docket No. _____

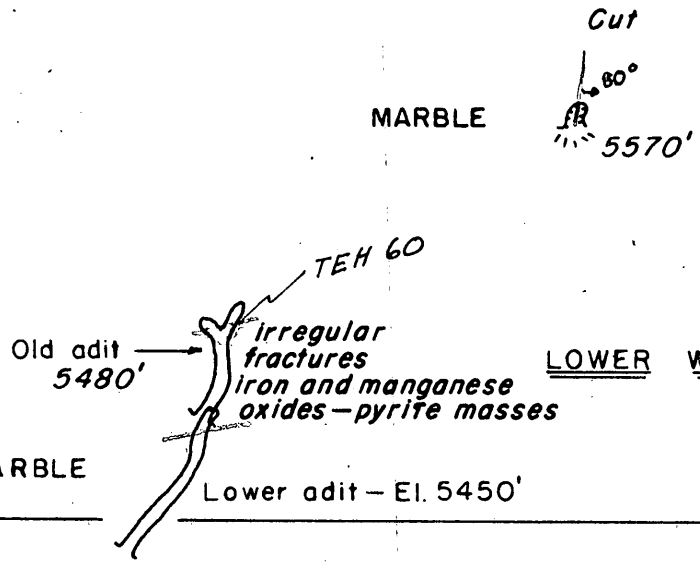


UPPER LEVEL

Sample No	Width	Cu %	Pb %	Zn %
TEH-58	1.0'	0.02	<0.10	0.18
TEH-59	1.6'	0.02	<0.10	0.40
TEH-60	Chip	0.30	<0.10	0.29

ASSAYS

1" = 100'



LOWER WORKINGS

1" = 100'

TE Howard, Engineer 1952

Iron Mountain Mining Co., Washington County, Idaho.

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

So. 157 Howard Street
Spokane 4, Washington

November 20, 1951

MEMORANDUM

TO: Operating Committee, DMEA, Washington, D. C.

FROM: Field Team, Region II

SUBJECT: Transmittal of DMEA application
Iron Mountain Mining Company
Weiser, Idaho

Three copies of the subject application are forwarded herewith. Inasmuch as engineers of the Bureau of Mines are familiar with the property, a report with appropriate recommendations is in preparation and the fourth copy of the application is being retained here to facilitate preparation of this report.

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

Enclosures
cc: U.S.B.M.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA

NOV 26 9 14 AM '51

FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. D.M.E.A.--2259

Date received 11-26-51

IRON MOUNTAIN MINING COMPANY INC.
c/o Frank Mortimer, Pres.
Box 523
Weiser, Idaho

Name and address of applicant

Date August 28, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Frank Mortimer Weiser, Idaho	President D	None	20,000	500,000		None	
George Petrashek Weiser, Idaho	Secty-Treas D	"	35,000	250,000		"	
John Mason Weiser, Idaho	Director	"	50,000	2,000		"	
E. W. Hormor Weiser, Idaho				11,300			
H. N. Nelson Weiser, Idaho				5,000			
J. F. Clabby Weiser, Idaho				5,000			
Eugene Hetrick Weiser, Idaho				3,000			
C. L. Randell Estate Weiser, Idaho				250,000			
	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	$ 200000.00	115,905.00	$ .10	1,159,050	None
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

THE IRON MOUNTAIN MINING COMPANY INC
(Name of company)

By Frank Mortimer
(Signature of authorized official)

August, 28, 1951
(Date)

President
(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

1. Materials Produced:
   (a) Silver; Lead; Zinc; Copper
   (b) Gold; Manganese; Magnetized Iron; Arsenic

2. Mortimer Group; Contact Metamorphic
   (a) 80 feet
   (b) 1200 feet
   (c) included in "B"
   (d) Several hundred feet of early day open cuts and grass root tunnels, two of the old tunnels still open, showing copper and silver values. Open pits all showing mineralzation.
   Underground workings not flooded. No pumping problems anticipated.

3. (a) 30 miles North from Weiser, Idaho
   (b) Iron Mountain district
   (c) Township 14; Sections 14 & 23; Range 6 WBM
   (d) Washington County, Idaho

4. (a) No
   (b) Owner

5. None
   5 months after resuming operations

6. Frank Mortimer the signer of this form who has had business experiences for more than thirty years in mercantile lines in Weiser is general manager and mine superintendent. He has been a student of mining and mineral deposition for many years. His first experience as a mucker was in the old Mercur Mine in Utah. His studies have embraced such authorities as Lindgren, Emmons, J. E. Spurr and others. In 1931 he purchased six of the claims, the next ten years he kept two men employed during the summer months driving tunnels with single jacks and building roads on the property, a blacksmith shop and living quarters. In 1941 two partners were taken in. Second hand engine and compressor installed. In 1943 Iron Mountain Mining Company Inc., was organized. Property deeded to corporation. Partners taking stock for same. In 1947 we built on eight miles of road to connect with main forest highway. In 1949 opened lower level adit on vein, bulldozed roadway to same, also opened commercial body of magnetite iron with bulldozer. Lack of capital has kept us dormant through 1950 and 1951 except for road repair and assessment work. Mr. George Petrashek who is secretary and treasurer is a substantial citizen who owns and operates a feed and grain business in Weiser. Mr. John Mason who has recently been elected Mayor of Weiser is our other director. Mr. Mason is owner of a large garage also agent for General Motors & Buick cars.
   In conclusion I wish to state that none of the operating officials have ever been on the payroll and services have been on a volunteer basis. As for myself, I have spent all my time at the mine during operating season and without benefit of compesation.

7 (a) All of the early day developement occured around the turn of the century and consisted of short grass root tunnels and open cuts. Hearsay evidence to the effect that some copper ore which occured in a pipe was shipped, in the early days of exploration.
   (b) The nearest operations was the old camp Mineral about three miles in an air line from Iron Mountain. This was a rich producer of Silver and copper and at one time supported two small smelters. The owners of the mine have the records.
   (c) Have no reports but am enclosing assay reports which were taken from our underground operations

11. Not producing

12. (a) The mineral occurrence is in crystaline limestone near a quartz dirorite contact. The mineralized structure was cut on an east west cross fault. The vein system at the fault occurs as a series of stringers. The strike is south by 20 degrees west. Drifting on one of the stringers for about 20 feet showed a width of about 4 feet. A drift on another stringer, width about three feet. The entire area being almost completely leached. However there was some good replacement ore in the crystaline footwall which lay outside the area of active water circulation. Some grab sample assays are enclosed herewith. This formation occurs on the south side of the cross fault and to the north of the cross fault the mineralization changes to arsenopyrite carrying silver and copper. It appears to be quite extensive. Shows evidence of hydrothermal deposition. The vein system as a whole is traceable for more than 3,000 feet, apparently terminating at a point covered by a considerable magnetite capping. In addition to the foregoing there is an east west striking vein following an east west spur of the igneous intrusive. The vein dipping south, mineralization in grass root tunnel, copper, silver, manganese.

(b) Inapplicable

13. The road extends 13 miles along a praved highway from Weiser, thence about 9 miles over the main forest road to Manns Creek, thence 8 miles to mining camp. The last 8 miles which was built by the Iron Mountain Mining Company is a fairly good summer road and it is our understanding that the forest service is taking over the maintenance of the road as of July 1st, this year. If operations were continued, the road could be kept open during the winter months.

14. Water supply will be ample for operations of camp and mill and is derived from Adams Creek also several sizable springs.

15. Electric power will be available when required. Present distance from us, about 7 miles.

16. Our crew usually consists of 4 men which will be avilable locally.

17.
- Gardner-Denver 105 compressor
- 2 dump cars
- 1 Garner-Denver tugger
- 1 skip
- 1 air receiver
- ample steel rails
- 1½" & 2" air pipe
- 1 Gardner-Denver jack hammer
- Assorted small tools
- 1½ story cook & bunk house
- Blacksmith shop
- 1 compressor house
- Kitchen utensils
- Ample rails and air pipe for the considered operations

18. No adverse conditions

Form MF-103
(Revised June 1951)

Rec'd

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D.C.

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

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

NOV 26 9 14 AM '51

Not To Be Filled in by Applicant

Docket No. D.M.E.A.-2259
Metal or Mineral
Date Received 11-26-51
Amount, $
Participation (Government %)

Name and address of applicant

IRON MOUNTAIN MINING COMPANY INC
c/o Frank Mortimer, Pres.
Box 523
Weiser, Idaho

Date August 28, 1951

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

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Iron Mountain Mining Company, Inc.
(Name of company)

By Frank Mortimer
(Signature of authorized official)

August 28, 1951
(Date)

President.
(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

1. (a) The property under consideration ofr assistance project is situated in township 14; section 23; range 6 WBM. It begins at the end of a 100 foot adit, located on the north end of the Hope claim running in a northeasterly direction to the south end of the Pioneer claim. The total length of the project constitutes 500 linear feet of exploration tunnel. The area is characterized by ~~narrow~~ good outcrops practically the entire distance of the project. An old tunnel that was excavated at the beginning of the century consisting of about 50 feet of underground work indicates good copper showings also silver and manganese. This opening lies a short distance ahead of our new tunnel opening.

(b) Inapplicable

(c) Answered in 1 (a)

2. (a) Au; AG; CU; PB; ZN; MN

(b) The mineral ~~clearance~~ occurrence is in crystaline limestone near a quartz dirorite. Main igneaous uplift strikes north and south. The volcanics of the area are basalt, rhyolite, and andacite. Mineral outcrops are traceable at the surface a distance of 3,000 feet. The type of ore deposit is contact metamorphic.

Some of the best outcrops on the property are located in the area of the project.

Maps enclosed showing general outline and general outcrops. We would appreciate your returning the maps when you are through with them.

Total cost of project estimated $8,420.32.

3. (a) A proposed work consists solely of driving 500 foot drift on vein and crosscutting same at intervals of 100 feet for purpose of chanell sampling and assaying when in ore also assaying every 5 feet of advance between crosscuts.

(b) Work to begin on or about May 15, 1952; expected to be completed by October 31, 1952

4. SEE MAP AND DESCRIPTION UNDER 2 (b)

5. One and one half story Cook and bunk house
Small blacksmith shop
Commpressor and storage house
No improvements necessary

7. (a) None

(b)

1 Gardner-Denver 855 Drill		$230.00
50 1 3/4" Timken Drill Bits		26.90
50 1½" " " "		26.15
50 1 5/8" " " "		26.75
50 ft. 3/4" Red Wing air hose		44.61
50 ft. ½" Ortac, water hose		19.56
100 lbs. miners carbide		8.60
1 Ridgid pipe vise		14.25
8 doz. fish plates	F.O.B. Seattle	17.80
50 lbs tack spikes	" " " "	6.60
1 Compressor battery		23.85
1 column complete with mountings		149.00 F.O.B. Salt Lake City, U.

(c)

Gardner-Denver 105 compressor	1 gardner-Denver Jack Hammer
2 dump cars	Assorted small tools
1 Garner-Denver tugger	1½ story cook & bunk house
1 skip	Blacksmith shop
1 air receiver	1 compressor house
ample steel rails	Kitchen utensils
1½" & 2" air pipe	

8.	One head miner, salary	$13.00 per day
	Two muckers " ea.	9.00 " "
	Engineer & Superintendent who is the signer of this application	$200.00 Per month

9.	Insurance	$412.65
	Social Security and Unemployment Compensation	$221.08

XXXXXXXXXXXXXXXXXXXXXX

9	1000 gals. gasoline	$ 262.00
	Compressor oil - 10 gals	7.30
	Rock drill oil - 5 gals	5.35
	Axle grease - 5 lb. can	.60
	40% dynamite - 1 ton	435.00
	1500 blasting caps #6	32.40
	3000 ft. roll - Sequoia fuse	40.20
	Carbide- 100 lb. drum	8.60
	4 carbide lamps	5.00
	Assay	300.00
	Engineering: Mr. Mortimer has acted as Engineer Superintendent, and has also assisted in all operations of the mine. His salary is included in Question #8.	
	Accounting-Power-water-utilities- no cost.	
	Total	$1,996.45

10.(a)We are prepared to invest up to $5,000.00

(b) We believe the amount will be sufficient, however, we call attention to the fact that there are a few items such as railroad freight and truck hauling which are not enumerated. There is also a possibilty that some timerbing will be necessary and which is not covered in the estimate. We suggest that $5000.00 should be allotted for this project which should take care of contingent liabilities. The excess amount ofcourse would not be used except for the above purposes.

11. We know of no other conditions.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
NOV 26 9 14 AM '51

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. D.M.E.A.-2259
Metal or Mineral
Date Received 11-26-51
Amount $
Participation (Government %)

IRON MOUNTAIN MINING COMPANY INC
c/o Frank Mortimer, Pres.
Box 523
Weiser, Idaho

Name and address of applicant

Date August 28, 1951

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

DMA Docket Number (if available) _____

INSTRUCTIONS

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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.

Iron Mountain Mining Company, Inc., By Frank Mortimer
(Name of company) (Signature of authorized official)

August 28, 1951 President.
(Date) (Title)

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U. S. GOVERNMENT PRINTING OFFICE 16—64007-2

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Small blacksmith shop
Compressor and storage house
No improvements necessary

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ample steel rails	Kitchen utensils
1½" & 2" air pipe	

8. One head miner, salary $13.00 per day
Two muckers " ea. 9.00 " "
Engineer & Superintendent
who is the signer of this
application $200.00 Per month

9. Insurance $412.65
Social Security and
Unemployment Compensation $221.08

[redacted]

9	1000 gals. gasoline	$ 262.00
	Compressor oil - 10 gals	7.30
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	40% dynamite - 1 ton	435.00
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	Engineering: Mr. Mortimer has acted as Engineer Superintendent, and has also assisted in all operations of the mine. His salary is included in Question #8.	
	Accounting-Power-water-utilities- no cost.	
	Total	$1,996.45

10.(a)We are prepared to invest up to $5,000.00

(b) We believe the amount will be sufficient, however, we call attention to the fact that there are a few items such as railroad freight and truck hauling which are not enumerated. There is also a possibilty that some timerbing will be necessary and which is not covered in the estimate. We suggest that $5000.00 should be allotted for this project which should take care of contingent liabilities. The excess amount ofcourse would not be used except for the above purposes.

11. We know of no other conditions.

OFFICE OF THE ADMINISTRATOR

dmea 2259

DEFENSE MINERALS ADMINISTRATION WASHINGTON D. C.

NOV 26 9 13 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

So. 157 Howard Street
Spokane 4, Washington

November 20, 1951

MEMORANDUM

TO: Operating Committee, DMEA, Washington, D. C.

FROM: Field Team, Region II

SUBJECT: Transmittal of DMEA application
Iron Mountain Mining Company
Weiser, Idaho

Three copies of the subject application are forwarded herewith. Inasmuch as engineers of the Bureau of Mines are familiar with the property, a report with appropriate recommendations is in preparation and the fourth copy of the application is being retained here to facilitate preparation of this report.

A. E. Weissenborn

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

Enclosures
cc: U.S.B.M.

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

So. 157 Howard Street
Spokane 4, Washington

November 20, 1951

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

Enclosures
cc: U.S.B.M.

Form MF-103
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA

Nov 26 9 14 AM '51

FOR USE UNDER THE

DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. D.M.E.A. 2251

Date received 11-26-51

IRON MOUNTAIN MINING COMPANY INC.
c/o Frank Mortimer, Pres.
Box 523
Weiser, Idaho

Name and address of applicant

Date August 26, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Frank Mortimer Weiser, Idaho	D President	None	20,000	500,000		None	
George Petrashek Weiser, Idaho	D Sect'y-Treas	"	35,000	250,000		"	
John Mason Weiser, Idaho	Director	"	50,000	2,000		"	
E. W. Lorner Weiser, Idaho				11,300			
H. N. Nelson Weiser, Idaho				5,000			
J. F. Clabby Weiser, Idaho				5,000			
Eugene Hetrick Weiser, Idaho				3,000			
C. L. Randall Estate Weiser, Idaho	Total		x x x x x	250,000		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	$ 200000.00	115,905.00	$ .10	1,159,050	None
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

THE IRON MOUNTAIN MINING COMPANY Inc. By Frank Mortimer
(Name of company) (Signature of authorized official)

August 28, 1951 President
(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

1. Materials Produced:
   (a) Silver; Lead; Zinc; Copper
   (b) Gold; Manganese; Magnetized Iron; Arsenic

2. Mortimer Group; Contact Metamorphic
   (a) 80 feet
   (b) 1200 feet
   (c) included in "B"
   (d) Several hundred feet of early day open cuts and grass root tunnels, two of the old tunnels still open, showing copper and silver values. Open pits all showing mineralization.
   Underground workings not flooded. No pumping problems anticipated.

3. (a) 30 miles North from Weiser, Idaho
   (b) Iron Mountain district
   (c) Township 14; Sections 14 & 23; Range 6 WBM
   (d) Washington County, Idaho

4. (a) No
   (b) Owner

5. None
   5 months after resuming operations

6. Frank Mortimer the signer of this form who has had business experiences for more than thirty years in mercantile lines in Weiser is general manager and mine superintendent. He has been a student of mining and mineral deposition for many years. His first experience as a mucker was in the old Mercur Mine in Utah. His studies have embraced such authorities as Lindgren, Emmons, J. E. Spurr and others. In 1931 he purchased six of the claims, the next ten years he kept two men employed during the summer months driving tunnels with single jacks and building roads on the property, a blacksmith shop and living quarters. In 1941 two partners were taken in. Second hand engine and compressor installed. In 1943 Iron Mountain Mining Company Inc., was organized. Property deeded to corporation. Partners taking stock for same. In 1947 we built on eight miles of road to connect with main forest highway. In 1949 opened lower level adit on vein, bulldozed roadway to same, also opened commercial body of magnetic iron with bulldozer. Lack of capital has capital has kept us dormant through 1950 and 1951 except for road repair and assessment work. Mr. George Petrashek who is secretary and treasurer is a substantial citizen who owns and operates a feed and grain business in Weiser. Mr. John Mason who has recently been elected Mayor of Weiser is our other director. Mr. Mason is owner of a large garage also agent for General Motors & Buick cars.
   In conclusion I wish to state that none of the operating officials have ever been on the payroll and services have been on a volunteer basis. As for myself, I have spent all my time at the mine during operating season and without benefit of compensation.

7 (a) All of the early day development occured around the turn of the century and consisted of short grass root tunnels and open cuts. Hearsay evidence to the effect that some copper ore which occured in a pipe was shipped, in the early days of exploration.
   (b) The nearest operations was the old camp Mineral about three miles in an air line from Iron Mountain. This was a rich producer of silver and copper and at one time supported two small smelters. The owners of the mine have the records.
   (c) Have no reports but am enclosing assay reports which were taken from our underground operations

11. Not producing

12. (a) The mineral occurrence is in crystaline limestone near a quartz dirorite contact. The mineralized structure was cut on an east west cross fault. The vein system at the fault occurs as a series of stringers. The strike is south by 20 degrees west. Drifting on one of the stringers for about 20 feet showed a width of about 4 feet. A drift on another stringer, width about three feet. The entire area being almost completely leached. However there was some good replacement ore in the crystaline footwall which lay outside the area of active water circulation. Some grab sample assays are enclosed herewith. This formation occurs on the south side of the cross fault and to the north of the cross fault the mineralization changes to arsenopyrite carrying silver and copper. It appears to be quite extensive. Shows evidence of hydrothermol deposition. The vein system as a whole is traceable for more than 3,000 feet, apparently terminating at a point covered by a considerable magnetite capping. In addition to the foregoing there is an east west striking vein following an east west spur of the igneous intrusive. The vein dipping south, mineralization in grass root tunnel, copper, silver, manganese.

(b) Inapplicable

13. The road extends 13 miles along a praved highway from Weiser,thence about 9 miles over the main forest road to Manns Creek, thence 8 miles to mining camp. The last 8 miles which was built by the Iron Mountain Mining Company is a fairly good summer road and it is our understanding that the forest service is taking over the maintenance of the road as of July 1st, this year. If operations were continued, the road could be kept open during the winter months.

14. Water supply will be ample for operations of camp and milland is derived from Adams Creek also several sizable springs.

15. Electric power will be available when required. Present distance from us, about 7 miles.

16. Our crew usually consists of 4 men which will be avilable locally.

17. Gardner-Denver 105 compressor
2 dump cars
1 Garner-Denver tugger
1 skip
1 air receiver
ample steel rails
1½" & 2" air pipe

1 Gardner-Denver jack hammer
Assorted small tools
1½ story cook & bunk house
Blacksmith shop
1 compressor house
Kitchen utensils
Ample rails and air pipe for the considered operations

18. No adverse conditions

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA

NOV 28 9 14 AM '51

FOR USE UNDER THE

DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. D.M.E.A. 2259

Date received 11-26-51

IRON MOUNTAIN MINING COMPANY INC.
c/o Frank Mortimer, Pres.
Box 523
Weiser, Idaho

Name and address of applicant

Date August 28, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☑ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Frank Mortimer Weiser, Idaho	D President	None	20,000	500,000		None	
George Petrashek Weiser, Idaho	D Sect'y-Trea	"	35,000	250,000		"	
John Mason Weiser, Idaho	Director	"	50,000	2,000		"	
E. W. Horner Weiser, Idaho				11,300			
H. N. Nelson Weiser, Idaho				5,000			
J. F. Clabby Weiser, Idaho				5,000			
Eugene Hetrick Weiser, Idaho				3,000			
C. L. Randall Estate Weiser, Idaho				250,000			
	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	$200,000.00	$15,905.00	$.10	1,159,050	None
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: None

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

IRON MOUNTAIN MINING COMPANY INC.
(Name of company)

By Frank Mortimer
(Signature of authorized official)

August 28, 1951
(Date)

President
(Title)

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

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   In conclusion I wish to state that none of the operating officials have ever been on the payroll and services have been on a volunteer basis. As for myself, I have spent all my time at the mine during operating season and without benefit of compesation.
   (a) All of the early day developement occured around the turn of the century and consisted of short grass root tunnels and open cuts. Hearsay evidence to the effect that some copper ore which occured in a pipe was shipped, in the early days of exploration.
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17. Gardner-Denver 105 compressor
2 dump cars
1 Garner-Denver tugger
1 skip
1 air receiver
ample steel rails
1½" & 2" air pipe
1 Gardner-Denver jack hammer
Assorted small tools
1½ story cook & bunk house
Blacksmith shop
1 compressor house
Kitchen utensils
Ample rails and air pipe for the considered operations

18. No adverse conditions

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.

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

NOV 26 9 14 AM '51

Not To Be Filled in by Applicant

Docket No. O.M.E.A. -2259
Metal or Mineral
Date Received 11-26-51
Amount $
Participation (Government %)

IRON MOUNTAIN MINING COMPANY INC
c/o Frank Mortimer, Pres.
Box 523
Weiser, Idaho

Name and address of applicant

Date August 28, 1951

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

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Iron Mountain Mining Company, Inc.
(Name of company)

By Frank Mortimer
(Signature of authorized official)

August 28, 1951
(Date)

President.
(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

1. (a) The property under consideration ofr assistance project is situated in township 14; section 23; range 6 WBM. It begins at the end of a 100 foot adit, located on the north end of the Hope claim running in a northeasterly direction to the south end of the Pioneer claim. The total length of the project constitutes 500 linear feet of exploration tunnel. The area is characterized by narrow outcrops practically the entire distance of the project. An old tunnel that was excavated at the beginning of the century consisting of about 50 feet of underground work indicates good copper showings also silver and manganese. This opening lies a short distance ahead of our new tunnel opening.

(b) Inapplicable

(c) Answered in 1 (a)

2. (a) Au; AG; CU; PB; ZN; MN

(b) The mineral ~~clearance~~ occurence is in crystaline limestone near a quartz dirorite. Main igneous uplift strikes north and south. The volcanics of the area are basalt, rhyolite, and andesite. Mineral outcrops are traceable at the surface a distance of 3,000 feet. The type of ore deposit is contact metamorphic.

Some of the best outcrops on the property are located in the area of the project.

Maps enclosed showing general outline and general outcrpps. We would appreciate your returning the maps when you are through with them.

Total cost of project estimated $8,420.32.

3. (a) A proposed work consists solely of driving 500 foot drift on vein and crosscutting same at intervals of 100 feet for purpose of chanell sampling and assaying when in ore also assaying every 5 feet of advance between crosscuts.

(b) Work to begin on or about May 15, 1952; expected to be completed by October 31, 1952

4. SEE MAP AND DESCRIPTION UNDER 2 (b)

5. One and one half story Cook and bunk house
Small blacksmith shop
Commpressor and storage house
No improvements necessary

7. (a) None

(b)

1 Gardner-Denver S55 Drill		$230.00
50 1 3/4" Timken Drill Bits		26.90
50 1½" " " "		26.15
50 1 5/8" " " "		26.75
50 ft. 3/4" Red Wing air hose		44.61
50 ft. ½" Ortac, water hose		19.56
100 lbs. miners carbide		8.60
1 Ridgid pipe vise		14.25
8 doz. fish plates	F.O.B. Seattle	17.80
50 lbs tack spikes	" " " "	6.60
1 Compressor battery		23.85
1 column complete with mountings		149.00 F.O.B. Salt Lake City, U.

(c)

Gardner-Denver 105 compressor	1 gardner-Denver Jack Hammer
2 dump cars	Assorted small tools
1 Garner-Denver tugger	1½ story cook & bunk house
1 skip	Blacksmith shop
1 air receiver	1 compressor house
ample steel rails	Kitchen utensils
1½" & 2" air pipe	

8. One head miner, salary $13.00 per day
Two muckers " ea. 9.00 " "
Engineer & Superintendent
who is the signer of this
application $200.00 Per month

9. Insurance $412.65
Social Security and
Unemployment Compensation $221.08

[redacted]

9	1000 gals. gasoline	$ 262.00
	Compressor oil - 10 gals	7.30
	Rock drill oil - 5 gals	5.35
	Axle grease - 5 lb. can	.60
	40% dynamite - 1 ton	435.00
	1500 blasting caps #6	32.40
	3000 ft. roll - Sequoia fuse	40.20
	Carbide- 100 lb. drum	8.60
	4 carbide lamps	5.00
	Assay	300.00
	Engineering: Mr. Mortimer has acted as Engineer Superintendent, and has also assisted in all operations of the mine. His salary is included in Question #8.	
	Accounting-Power-water-utilities- no cost.	
	Total	$1,096.45

10.(a)We are prepared to invest up to $5,000.00

(b) We believe the amount will be sufficient, however, we call attention to the fact that there are a few items such as railroad freight and truck hauling which are not enumerated. There is also a possibilty that some timerbing will be necessary and which is not covered in the estimate. We suggest that $5000.00 should be allotted for this project which should take care of contingent liabilities. The excess amount ofcourse would not be used except for the above purposes.

11. We know of no other conditions.

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. .....
Metal or Mineral .....
Date Received .....
Amount $.....
Participation (Government %)
.....

Name and address of applicant

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Iron Mountain Mining Co., Inc.
(Name of company)

By Frank Mortimer
(Signature of authorized official)

August 28, 1951.
(Date)

President.
(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

1. (a) The property under consideration ofr assistance project is situated in township 14; section 23; range 6 WBM. It begins at the end of a 100 foot adit, located on the north end of the Hope claim running in a northeasterly direction to the south end of the Pioneer claim. The total length of the project constitutes 500 linear feet of exploration tunnel. The area is characterized by ~~narrow~~ deep outcrops practically the entire distance of the project. An old tunnel that was excavated at the beginning of the century consisting of about 50 feet of underground work indicates good copper showings also silver and manganese. This opening lies a short distance ahead of our new tunnel opening.

(b) Inapplicable

(c) Answered in 1 (a)

2. (a) Au; AG; CU; PB; ZN; MN

(b) The mineral ~~clearance~~ occurence is in crystaline limestone near a quartz dirorite. Main igneous uplift strikes north and south. The volcanics of the area are basalt, rhyolite, and andesite. Mineral outcrops are traceable at the surface a distance of 3,000 feet. The type of ore deposit is contact metamorphic.

Some of the best outcrops on the property are located in the area of the project.

Maps enclosed showing general outline and general outcrpps. We would appreciate your returning the maps when you are through with them.

Total cost of project estimated $8,420.52.

3. (a) A proposed work consists solely of driving 500 foot drift on vein and crosscutting same at intervals of 100 feet for purpose of chanell sampling and assaying when in ore also assaying every 5 feet of advance between crosscuts.

(b) Work to begin on or about May 15, 1952; expected to be completed by October 31, 1952

4. SEE MAP AND DESCRIPTION UNDER 2 (b)

5. One and one half story Cook and bunk house
Small blacksmith shop
Commpressor and storage house
No improvements necessary

7. (a) None

(b)

1 Gardner-Denver S55 Drill	$230.00
50 1 3/4" Timken Drill Bits	26.90
50 1½" " " "	26.15
50 1 5/8" " " "	26.75
50 ft. 3/4" Red Wing air hose	44.61
50 ft. ½" Ortac, water hose	19.56
100 lbs. miners carbide	8.60
1 Ridgid pipe vise	14.25
8 doz. fish plates F.O.B. Seattle	17.80
50 lbs tack spikes " " " "	6.60
1 Compressor battery	23.85
1 column complete with mountings	149.00 F.O.B. Salt Lake City, U.

(c)

Gardner-Denver 105 compressor	1 gardner-Denver Jack Hammer
2 dump cars	Assorted small tools
1 Garner-Denver tugger	1½ story cook & bunk house
1 skip	Blacksmith shop
1 air receiver	1 compressor house
ample steel rails	Kitchen utensils
1½" & 2" air pipe	

8.	One head miner, salary	$13.00 per day
	Two muckers " ea.	9.00 " "
	Engineer & Superintendent who is the signer of this application	$200.00 Per month

9.	Insurance	$412.65
	Social Security and Unemployment Compensation	$221.08

XXXXXXXXXXXXXXXXXXXX

1000 gals. gaso-	
Compressor oil - 10 gals	7.30
Rock drill oil - 5 gals	5.35
Axle grease - 5 lb. can	.60
40% dynamite - 1 ton	435.00
1500 blasting caps #6	32.40
3000 ft. roll - Sequoia fuse	40.20
Carbide- 100 lb. drum	8.60
4 carbide lamps	5.00
Assay	300.00
Engineering: Mr. Mortimer has acted as Engineer Superintendent, and has also assisted in all operations of the mine. His salary is included in Question #8.	
Accounting-Power-water-utilities- no cost.	
Total	$1,996.45

10.(a)We are prepared to invest up to $5,000.00

(b) We believe the amount will be sufficient, however, we call attention to the fact that there are a few items such as railroad freight and truck hauling which are not enumerated. There is also a possibilty that some timerbing will be necessary and which is not covered in the estimate. We suggest that $5000.00 should be allotted for this project which should take care of contingent liabilities. The excess amount ofcourse would not be used except for the above purposes.

11. We know of no other conditions.

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. Domestic-2259

Date received

IRON MOUNTAIN MINING COMPANY INC.
c/o Frank Mortimer, Pres.
Box 523
Nelson, Idaho

Name and address of applicant

Date August 20, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

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

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Frank Mortimer Weiser, Idaho	D President	None	20,000	500,000		None	
George Petrashek Weiser, Idaho	D Sect'y-Trea	"	35,000	250,000		"	
John Mason Weiser, Idaho	Director	"	50,000	2,000		"	
E. W. Horner Weiser, Idaho				11,300			
H. N. Nelson Weiser, Idaho				5,000			
J. F. Clabby Weiser, Idaho				5,000			
Eugene Hetrick Weiser, Idaho				3,000			
C. L. Randall Estate Weiser, Idaho	Total		x x x x x	250,000		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	$200000.00	$15,905.00	$.10	1,159,050	None
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

(*b*) If deposit is other than pl[illegible]:

(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.

THE IRON MOUNTAIN MINING COMPANY INC
(Name of company)

By Frank W Ortimer
(Signature of authorized official)

August 28, 1951
(Date)

President
(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

1. Materials Produced:
   (a) Silver; Lead; Zinc; Copper
   (b) Gold; Manganese; Magnetized Iron; Arsenic

2. Mortimer Group; Contact Metamorphic
   (a) 80 feet
   (b) 1200 feet
   (c) included in "B"
   (d) Several hundred feet of early day open cuts and grass root tunnels, two of the old tunnels still open, showing copper and silver values. Open pits all showing mineralzation.
   Underground workings not flooded. No pumping problems anticipated.

3. (a) 30 miles North from Weiser, Idaho
   (b) Iron Mountain district
   (c) Township 14; Sections 14 & 23; Range 6 WBM
   (d) Washington County, Idaho

4. (a) No
   (b) Owner

5. None
   5 months after resuming operations

6. Frank Mortimer the signer of this form who has had business experiences for more than thirty years in mercantile lines in Weiser is general manager and mine superintendent. He has been a student of mining and mineral deposition for many years. His first experience as a mucker was in the old Mercur Mine in Utah. His studies have embraced such authorities as Lindgren, Emmons, J. E. Spurr and others. In 1931 he purchase six of the claims, the next ten years he kept two men employed during the summer months driving tunnels with single jacks and building roads on the property, a blacksmith shop and living quarters. In 1941 two partners were taken in. Second hand engine and compressor installed. In 1943 Iron Mountain Mining Company Inc., was organized. Property deeded to corporation. Partners taking stock for same. In 1947 we built on eight miles of road to connect with main forest highway. In 1949 opened lower level adit on vein, bulldozed roadway to same, also opened commercial body of magnetic iron with bulldozer. Lack of capital has capital has kept us dormant through 1950 and 1951 except for road repair and assessment work. Mr. George Petrashek who is secretary and treasurer is a substantial citizen who owns and operates a feed and grain business in Weiser. Mr. John Mason who has recently been elected Mayor of Weiser is our other director. Mr. Mason is owner of a large garage also agent for General Motors & Buick cars.
   In conclusion I wish to state that none of the operating officials have ever been on the payroll and services have been on a volunteer basis. As for myself, I have spent all my time at the mine during operating season and without benefit of compesation.
   (a) All of the early day developement occured around the turn of the century and consisted of short grass root tunnels and open cuts. Hearsay evidence to the effect that some copper ore which occured in a pipe was shipped, in the early days of exploration.
   (b) The nearest operations was the old camp Mineral about three miles in an air line from Iron Mountain. This was a rich producer of Silver and copper and at one time supported two small smelters. The owners of the mine have the records.
   (c) Have no reports but am enclosing assay reports which were taken from our underground operations

11. Not producing

12. (a) The mineral occurrence is in crystaline limestone near a quartz dirorite contact. The mineralized structure was cut on an east west cross fault. The vein system at the fault occurs as a series of stringers. The strike is south by 20 degrees west. Drifting on one of the stringers for about 20 feet showed a width of about 4 feet. A drift on another stringer, width about three feet. The entire area being almost completely leached. However there was some good replacement ore in the crystaline footwall which lay outside the area of active water circulation. Some grab sample assays are enclosed herewith. This formation occurs on the south side of the cross fault and to the north of the cross fault the mineralization changes to arsenopyrite carrying silver and copper. It appears to be quite extensive. Shows evidence of hydrothermal deposition. The vein system as a whole is traceable for more than 3,000 feet, apparently terminating at a point covered by a considerable magnetite capping. In addition to the foregoing there is an east west striking vein following an east west spur of the igneous intrusive. The vein dipping south, mineralization in grass root tunnel, copper, silver, manganese.

(b) Inapplicable

13. The road extends 13 miles along a praved highway from Weiser, thence about 9 miles over the main forest road to Menns Creek, thence 8 miles to mining camp. The last 8 miles which was built by the Iron Mountain Mining Company is a fairly good summer road and it is our understanding that the forest service is taking over the maintenance of the road as of July 1st, this year. If operations were continued, the road could be kept open during the winter months.

14. Water supply will be ample for operations of camp and milland is derived from Adams Creek also several sizable springs.

15. Electric power will be available when required. Present distance from us, about 7 miles.

16. Our crew usually consists of 4 men which will be avilable locally.

17. Gardner-Denver 105 compressor
2 dump cars
1 Garner-Denver tugger
1 skip
1 air receiver
ample steel rails
1½" & 2" air pipe

1 Gardner-Denver jack hammer
Assorted small tools
1½ story cook & bunk house
Blacksmith shop
1 compressor house
Kitchen utensils
Ample rails and air pipe for the considered operations

18. No adverse conditions

Subject: DMEA-2259
Re: Exploration Loan
Mortimer Group

Mr. Frank Mortimer, President
Iron Mountain Mining Co., Inc.
Box 523
Weiser, Idaho

My dear Mr. Mortimer:

This will acknowledge receipt of your application dated August 28, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2259 and referred to the Base Metals Branch.

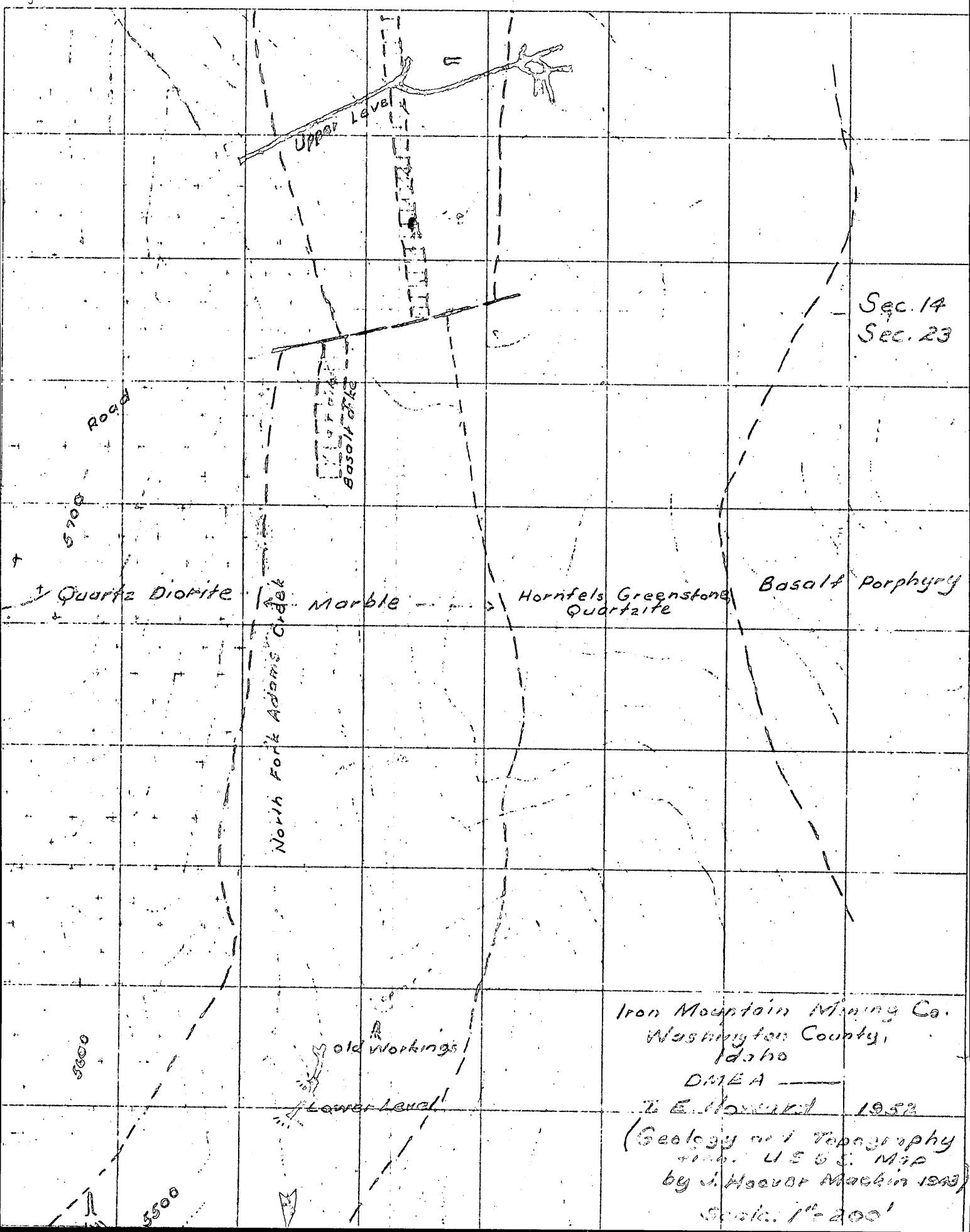
Kindly refer to DMEA-2259 in any future correspondence relating to your application.

Sincerely yours,

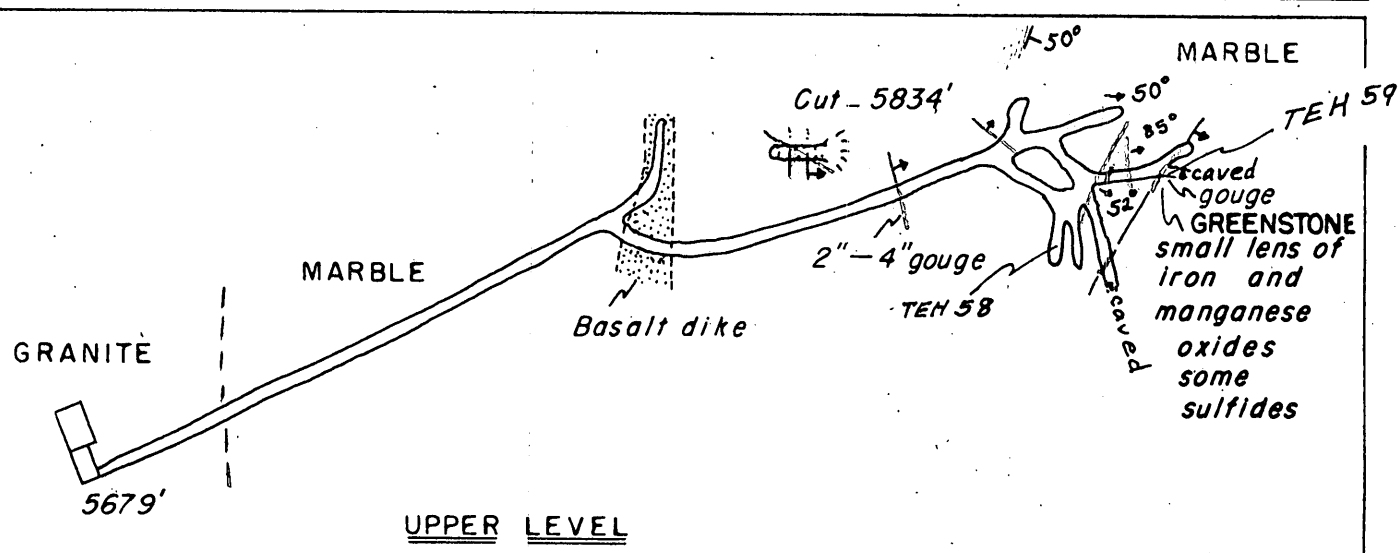
ROBERT E. ADAMS

Robert E. Adams, Chief
Reports & Records Unit

7862


Upper Level
Sec. 14
Sec. 23
Road
Basalt Dike
5700
Quartz Diorite
Marble
Hornfels Greenstone
Quartzite
Basalt Porphyry
North Fork Adams Creek
old Workings
Lower Level
5600
5500
Iron Mountain Mining Co.
Washington County,
Idaho
DMEA
T. E. Howard 1958
(Geology and Topography
from U.S.G.S. Map
by J. Hoover Mackin 1948)
Scale: 1" = 200'

D.M.E.A Docket No. _____

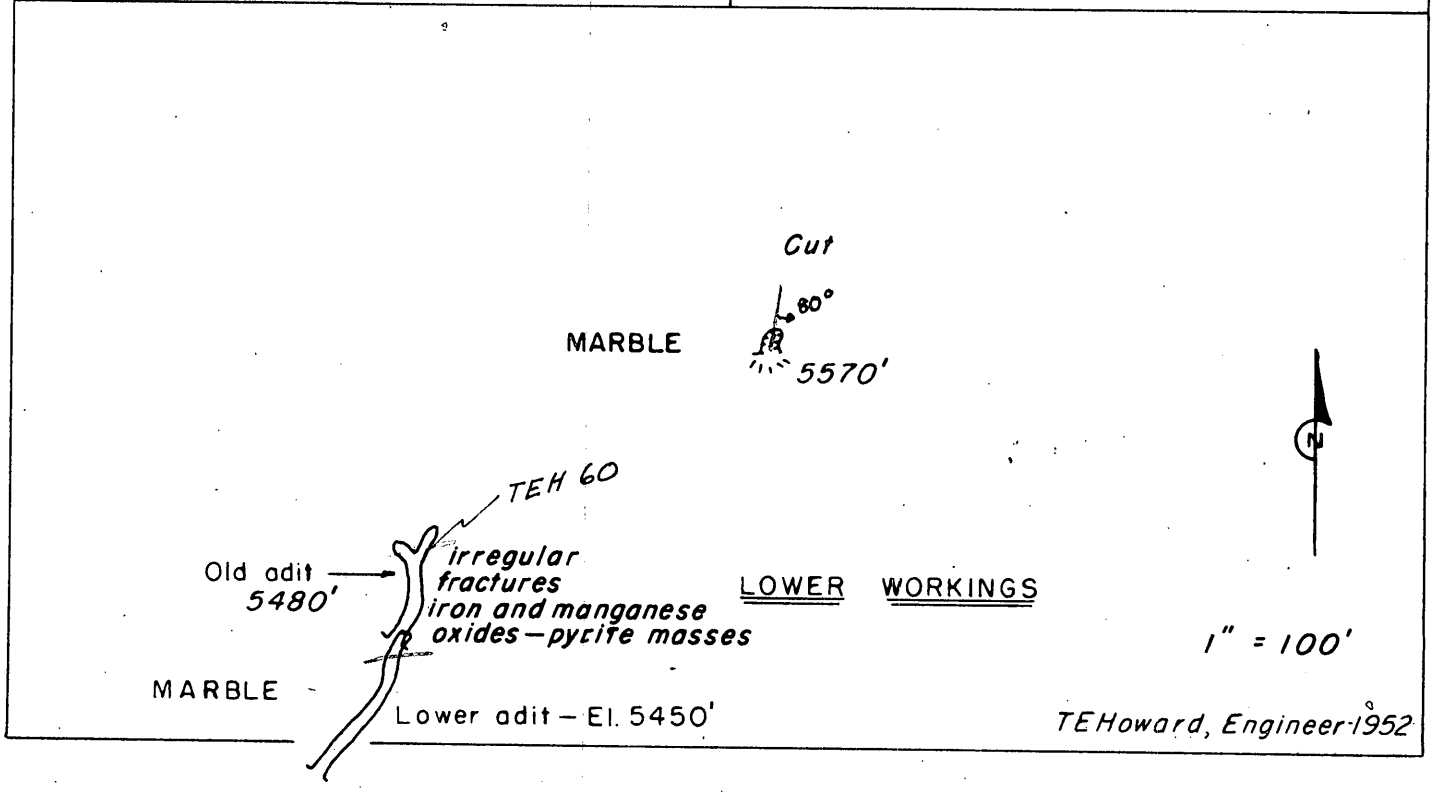


UPPER LEVEL

Sample No	Width	Cu %	Pb %	Zn %
TEH-58	1.0'	0.02	<0.10	0.18
TEH-59	1.6'	0.02	<0.10	0.40
TEH-60	Chip	0.30	<0.10	0.29

ASSAYS

1" = 100'



LOWER WORKINGS

1" = 100'

TE Howard, Engineer-1952

Iron Mountain Mining Co., Washington County, Idaho.