DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip Copper

CONTROLLED DOCUMENT

D.M.EA ~~DMA~~ Docket No. 1628

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Routing Slip

	To: P.E. Div.	Date	11/30/51
(1)	To: Oper. Com. 4624	Date	5-12-52
(2)	To: Mails & Files 4070	Date	
(3)	To: Code 700, R. 4640	Date	
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DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1628X

DO NOT DETACH THIS SLIP

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

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

Routing Slip

To:	Mr. Gowen	Date	6/11/51
To:	Coor. Com. ~~DMA Field Team II~~	Date	8/24/51
To:	R + R	Date	8/27/51
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CONTROLLED DOCUMENT

700 FILE COPY
SURNAME:

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

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

Re: Docket No. DMA-1628X (Copper)
Elmer Jernberg, Terreton, Idaho
Copper Mountain property,
Butte County, Idaho

Dear Mr. Weissenborn:

In accordance with the report of Tor H. Kiilsgaard, dated November 19, 1951, transmitted by the Field Team on November 21, 1951, and Mr. Kiilsgaard's further memorandum to the Operating Committee under date of September 11, 1952, we are removing the above-captioned docket from our active file and are considering it closed.

Sincerely yours, 9.25.52

Ernest Wm. Ellis (B.H.)

ACTING Chairman, Operating Committee

APPROVED:

Q. R. Finkel, Jr. (B.H.)
Member, Geological Survey

C. H. Johnson (B.H.)
Member, Bureau of Mines

GLAult/EWEllis/gla 9-22-52
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. C. W. Johnson, Rm. 3621
N. E. Nelson, Rm. 4206 GSA
Ellis
DMEA Field Team, Region II

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

September 22, 1952

Memorandum

To: Mails and Files

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

Subject: Docket No. DMA-1628X (Copper)
Elmer Jernberg, Terreton, Idaho
Copper Mountain property,
Butte County, Idaho

On the basis of Region II Field Team report dated November 21, 1951, and Mr. Kiilsgaard's further memorandum to the Operating Committee dated September 11, 1952, we are removing this docket from our active file and returning it herewith to be considered closed inasmuch as the Regional Office has been unable to obtain further information from the applicant.

Ernest Wm. Ellis

FILE COPY
SURNAME:

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

September 22, 1952

Memorandum

To: Mails and Files

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

Subject: Docket No. DMA-1628X (Copper)
Elmer Jernberg, Terreton, Idaho
Copper Mountain property,
Butte County, Idaho

On the basis of Region II Field Team report dated November 21, 1951, and Mr. Kiilsgaard's further memorandum to the Operating Committee dated September 11, 1952, we are removing this docket from our active file and returning it herewith to be considered closed inasmuch as the Regional Office has been unable to obtain further information from the applicant.

GLAult/EWEllis/gla

9/19/52 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

So. 157 Howard Street
Spokane 4, Washington

SEP 20 1952

September 11, 1952

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

Re: DMEA Docket No. 1628X,
Copper Mountain property
Butte County, Idaho

Dear Sir:

The Copper Mountain property was examined by Mr. Thor H. Kiilsgaard, U. S. Geological Survey, in September 1951. It was found to be a small prospect with a meager showing of mineralization, but which had shipped a minor amount of copper ore. It did not appear to warrant further exploration; however, during the course of the examination the applicant advised Mr. Kiilsgaard that he would bulldoze the outcrop on his own account and if his findings were favorable he would submit a revised application for DMEA assistance.

In November 1951 the applicant notified this office that he had spent 2½ days bulldozing on the Copper Mountain property during the month of November but had been forced to stop because of early snowfall. He reported that bulldozing had uncovered a 7-foot vein but which had been relatively barren of copper mineralization. He stated that he would resume bulldozing as soon as possible in the spring of 1952.

We wrote the applicant on May 19, 1952, reminding him of his proposed bulldozing work, and again on July 23, 1952. In the latter letter we mentioned that if no further word was received from him by August 15, 1952, we would consider that he was no longer interested in DMEA assistance. We also offered at that time to have a field man visit his property and discuss any proposed dozing or examine any dozing which had been completed.

No word has been received from the applicant as of this date. We therefore assume that he is no longer interested in DMEA assistance and suggest that his application no longer be held in abeyance and given no further consideration.

Sincerely,

Thor H. Kiilsgaard

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

cc: USBM

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

No. 157 Howard Street
Spokane 4, Washington

September 11, 1952

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

Re: DMEA Project No. 1028,
Copper Mountain Property
White County, Idaho

Dear Sir:

The Copper Mountain property was examined by Mr. Thor H. Killsgaard, U. S. Geological Survey, in September 1951. It was found to be a small prospect with a meager showing of mineralization, but which has shipped a minor amount of copper ore. It did not appear to warrant further exploration; however, during the course of the examination the applicant advised Mr. Killsgaard that he would bulldoze the outcrop on his own account and if his findings were favorable he would submit a revised application for DMEA assistance.

In November 1951 the applicant notified this office that he had spent 2[illegible] days bulldozing on the Copper Mountain property during the month of November and had been forced to stop because of early snowfall. He reported that bulldozing had exposed a 7-foot vein that which had been relatively barren of copper mineralization. He stated that he would resume bulldozing as soon as possible in the spring of 1952.

He wrote this applicant on [illegible], 1952, requesting [illegible] his proposed bulldozing work, and again on July 2[illegible], 1952. In the latter letter we mentioned that if he [illegible] by August 15, 1952, we would consider [illegible] interested in DMEA assistance. A [illegible] would be made a field run visit to the property and discuss the [illegible] with him any [illegible] technical problems.

[illegible] the [illegible] date. We therefore assume that he is no longer interested in DMEA assistance [illegible] a [illegible] be taken in abeyance [illegible] further consideration.

Sincerely,

[illegible]
[illegible]
[illegible]
[illegible] Team, Region IV

cc. USBM

7/29/52 gla

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

So. 157 Howard Street
Spokane 4, Washington

July 23, 1952

DMA-1628X

Mr. Elmer Jornberg
Larreton,
Idaho

Dear Mr. Jornberg:

We wish to call attention to a letter from this office dated May 19, 1952, which inquired as to your intentions concerning your DMEA application on the Copper Mountain property. We have not received an answer to this letter and therefore wonder if you are still interested in such an application. We will assume that you are no longer interested and will recommend that no further consideration be given your application if we do not hear from you by August 15.

We would like to advise that Mr. Killsgaard will be in that part of Idaho during the next two weeks and would be glad to re-examine your property if you think such an examination is warranted. In the event you are interested in such an examination, you might contact Killsgaard by writing this office and specifying a proposed time and meeting place for the examination. We could then contact you for further details.

Sincerely yours,

Thor L. Killsgaard
For: A. J. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: JOBM
DMEA ✓

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

So. 157 Howard Street
Spokane 4, Washington

July 23, 1952

Mr. Elmer Jurnberg
Terreton,
Idaho

Dear Mr. Jurnberg:

We wish to call attention to a letter from this office dated May 19, 1952, which inquired as to your intentions concerning your DMA application on the Copper Mountain property. We have not received an answer to this letter and therefore wonder if you are still interested in such an application. We will assume that you are no longer interested and will recommend that no further consideration be given your application if we do not hear from you by August 15.

We would like to advise that Mr. Kilsgaard will be in that part of Idaho during the next two weeks and would be glad to re-examine your property if you think such an examination is warranted. In the event you are interested in such an examination, you might contact Kilsgaard by writing this office and specifying a proposed time and meeting place for the examination. He could then contact you for further details.

Sincerely yours,

Thor . Kilsgaard
For: A. . Weisenborn
Executive Officer, DMA
Field Team, Region 11

cc: GSA
DMA✓

5/26/52 gla

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

So. 157 Howard Street
Spokane 4, Washington

May 19, 1952

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 26 1952

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

Re: Docket No. DMA 1628X, Copper Mountain property, Butte County, Idaho.

Dear Sir:

Reference is made to a letter from the Chairman, Operating Committee, DMEA, dated May 15, 1952, concerning the present status of the Copper Mountain mining property, Butte County, Idaho.

On November 21, 1951, the Field Team wrote Mr. Elmer Jernberg, applicant of the Copper Mountain property, inquiring as to what bulldozing had been accomplished on the Copper Mountain property during the fall months of 1951. On November 24 Mr. Jernberg answered the Field Team's letter stating that he had been late in getting on the property with his bulldozer and had only put in two half-days of operating time exploring the Copper Mountain vein before an early snowfall forced him to abandon exploration work. He stated that the vein had been bulldozed in the area recommended by Mr. Kiilsgaard and that a vein about 7 feet thick had been uncovered; however, this vein was relatively barren of mineralization. He also stated that as soon as possible in the spring he would return to the Copper Mountain property and resume bulldozing.

The Field Team is writing Mr. Jernberg advising that he inform them of the date on which he will resume bulldozing and suggesting that he commence operations as soon as possible.

Sincerely yours,

A. E. Weissenborn

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

cc: USBM

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

So. 157 Howard Street
Spokane 4, Washington

May 19, 1952

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

Re: Docket No. DMA 1628X, Copper Mountain property, Butte County, Idaho.

Dear Sir:

Reference is made to a letter from the Chairman, Operating Committee, DMEA, dated May 15, 1952, concerning the present status of the Copper Mountain mining property, Butte County, Idaho.

On November 21, 1951, the Field Team wrote Mr. Elmer Jernberg, applicant of the Copper Mountain property, inquiring as to what bulldozing had been accomplished on the Copper Mountain property during the fall months of 1951. On November 24 Mr. Jernberg answered the Field Team's letter stating that he had been late in getting on the property with his bulldozer and had only put in two half-days of operating time exploring the Copper Mountain vein before an early snowfall forced him to abandon exploration work. He stated that the vein had been bulldozed in the area recommended by Mr. Kiilsgaard and that a vein about 7 feet thick had been uncovered; however, this vein was relatively barren of mineralization. He also stated that as soon as possible in the spring he would return to the Copper Mountain property and resume bulldozing.

The Field Team is writing Mr. Jernberg advising that he inform them of the date on which he will resume bulldozing and suggesting that he commence operations as soon as possible.

Sincerely yours,

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

cc: USBM

FILE COPY
SURNAME:

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

MAY 12 1952

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

AIR MAIL

Re: Docket No. DMA-1628X (Copper)
Elmer Jernberg
Copper Mountain Property,
Butte County, Idaho

Dear Mr. Weissenborn:

Reference is made to the report prepared by Thor A. Kiilsgaard, Geologist, U. S. Geological Survey, forwarded with your memorandum of November 21, 1951, to the Chairman of the Coordinating Committee, DMA. This report recommended that the above docketed application be placed in the inactive file and held in abeyance pending further notification from the applicant regarding his intentions of conducting a limited bulldozing program with his own means, to further explore the outcrop of the quartz vein.

Approximately eight months have elapsed since the Field Team examined the property in September 1951 and later reported that the mineralized showings of the property did not warrant exploration assistance, but that it did have some favorable features. However, without additional information from the applicant during the intervening months that would enable the DMEA to give further consideration to the merits of exploration possibilities, we are inclined to write a letter of denial and close the subject application. Before taking this action, we should like you to make further inquiry as to whether the applicant has carried out his proposed bulldozing program and, if so, the results.

We will continue to hold this docket in an inactive status until a further report is received from your office. It is suggested that the applicant be given a definite length of time (30 or 60 days) in which to submit the information.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee

APPROVED:

W. H. Hedges

For Bureau of Mines (NB)

D. M. Lemmon

For Geological Survey (NB)

GLAult/EWEllis/gla 5-9-52
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. C.H.Johnson, Rm. 3621
Ned Nelson, Rm. 4206 GS

Reviewed by Dmea Operating Committee 11/28/51 HB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C. NOV 26 9 07 AM '51

DEPARTMENT OF THE INTERIOR
RECEIVED
NOV 30 1951
Defense Minerals Administration, Production Expansion Division.

November 21, 1951

~~Through: Reports and Records Unit~~

MEMORANDUM

TO: ~~Tom Lyon~~, Chairman, Coordinating Committee

FROM: Field Team, Region II

SUBJECT: Copper Mountain Property, Butte County, Idaho: DMA Docket 1628x. - ELMER JERNBERG

Enclosed are four copies of a report on the Copper Mountain property prepared by Thor H. Kiilsgaard, Geologist, U. S. Geological Survey. Also enclosed are copies of the "Review of Application for Exploration Assistance", as well as other docket material received at this office from Washington, D. C.

The DMA examiner recommends that the subject application be placed in the inactive file and held in abeyance pending further notification from the applicant. At the time of the examination the applicant stated his intentions of conducting a limited bulldozing program with his own means. In the event this program uncovers sufficient geologic evidence, further consideration for DMA assistance on an additional exploration program might be justified.

A. E. Weissenborn
A. E. Weissenborn
Executive Officer
U. S. Geological Survey

Glenn A. Reed, Acting for
M. E. Volin, Member
U. S. Bureau of Mines

Enclosures

CC: USBM, Spokane

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
NOV 26 9 07 AM '51

November 21, 1951

Through: Reports and Records Unit

MEMORANDUM

TO: Tom Lyon, Chairman, Coordinating Committee

FROM: Field Team, Region II

SUBJECT: Copper Mountain Property, Butte County, Idaho: DMA Docket 1628x.

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A. E. Weissenborn
Executive Officer
U. S. Geological Survey

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

Enclosures

CC: USBM, Spokane

OFFICE OF THE ADMINISTRATOR

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
NOV 26 9 07 AM '51

So. 157 Howard Street
Spokane 4, Washington

November 19, 1951
Reviewed by
DMEA OPERATING COMMITTEE

11-28-51
(date) (JHB)

MEMORANDUM

TO: A. E. Weissenborn, Exec. Officer, DMA, Field Team, Region II

FROM: Thor H. Kiilsgaard, Geologist, U. S. Geological Survey

SUBJECT: Copper Mountain property, Butte County, Idaho, DMA docket 1628x.

RECOMMENDATIONS

It is recommended that the subject application be placed in the inactive file to be reconsidered if and when the applicant submits a revised explorative program to be based on results obtained from a pending bulldozer program.

INTRODUCTION

The Copper Mountain property was examined on September 18, 1951, in company with two of the applicants, Messrs. Elmer Jernberg and Edward Staley. Following the examination, it was pointed out to the applicants that on the basis of present mineralized showings the property did not warrant DMA exploration assistance, but that the property did have some favorable features. These included the fact that shipping-grade copper ore had been produced, and that one of the mine workings exposed a fairly strong copper-bearing quartz vein which warranted additional exploration. Various exploration possibilities were discussed and it was advised that the applicants conduct a limited bulldozing program with their own means to further explore the outcrop of the quartz vein. In the event the bulldozing program proved successful in determining the strength and continuity of the vein, a limited DMA exploration program might be warranted. The applicants agreed to this proposal and stated that they would move their own bulldozer to the property and commence dozing operations immediately. They advised that following completion of the program they would notify this office and if the dozing results were favorable an application for a revised exploration program would be submitted. To date, no word has been received from the applicants; therefore, it is suggested that the subject application and report be forwarded to Washington to be held in abeyance pending further notification from the applicants.

LOCATION

The Copper Mountain property is on the South Branch of Uncle Ike Creek, in sec. 8., T. 8 N., R. 29 E., about 22 miles north of Howe, Idaho. The property is comprised of the Copper Mountain and Copper Mountain No's. 1, 2, 3, 4, and 5 unpatented claims. All claims are adjoining.

MINE WORKINGS

A number of short adits have been driven on the property, most of which are now inaccessible. These adits have been randomly directed, most of them having different targets. At the present time there are four short adits open, as well as a 7-foot shaft and a large bulldozed pit (see accompanying field map).

GEOLOGY

Copper Mountain workings are near the contact of quartzite and massive gray dolomite, both of which are early Paleozoic in age, probably Cambrian and Ordovician respectively. Ore seen on the dump and in the southeast adit consists principally of malachite and minor amounts of chalcopyrite. Also noted were faint traces of galena and possibly some cerussite although the latter is doubtful.

In the southeast adit a flat-dipping, copper-bearing quartz vein in the dolomite was intersected but was not followed for any distance. This vein has not been intersected by any of the other mine workings. Some ore was shipped from this adit, and from a small undercut stope near the portal. A strong flat fault forms the hanging wall of the vein.

To the northwest, other short adits, as well as the large bulldozed pit are in the underlying white quartzite. None of these workings are very far beneath the top soil, and, none show any evidence of mineralization.

PROPOSED EXPLORATION PROGRAM

The applicants were of the opinion that continued exploration would uncover the "main lead" which would be a substantial ore producer. They proposed to do this work by various drifts. Following the examination it was suggested that they explore the southeast adit quartz vein to the northeast by a series of bulldozed trenches. These trenches would not have to be over 6 to 10 feet deep to penetrate the surface mantle, and they should readily tell how continuous the vein is to the northeast. In the event bulldozing should uncover more favorable features of the vein that would warrant further investigation, a more extensive exploration program might be considered by DMA.

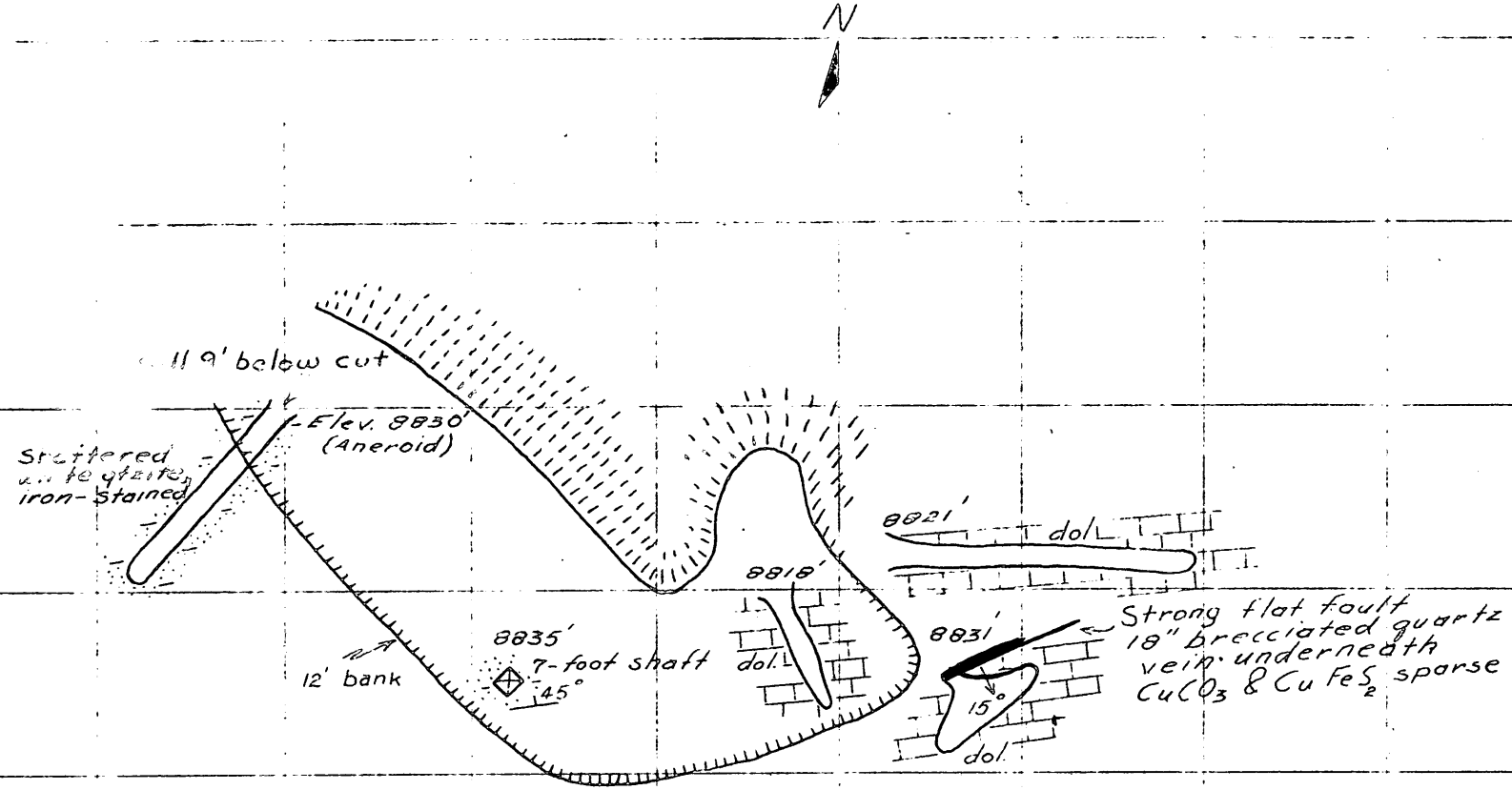
COMPETENCE OF APPLICANTS

The applicants are farmers living in the area around Terreton, Idaho. Two of them, Mr. Elmer Jernberg and Mr. Edward Staley, have had considerable experience as miners in various western mining camps. They have also had experience handling heavy machinery and are quite capable of conducting the proposed bulldozing program. In the event a more extensive exploration program is entered into, the applicants will either have to engage a more technically trained man to manage the operations or retain a consultant.

CONCLUSIONS

The Copper Mountain property is a marginal prospect. It has produced some ore and has one copper-bearing quartz vein that warrants limited exploration. If the proposed bulldozing program does not indicate that the quartz vein is continuous and strong enough to warrant further exploration, no further consideration should be given the property.

cc: U.S.B.M.



Copper Mountain property
Butte Co., Idaho
1" = 40'
Sept. 18, 1951

Thor H. Kiilsgaard

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 26 8 07 AM '51

No. 197 [illegible]
[illegible], [illegible]

November 19, 1951

[illegible]

To: A. L. [illegible], [illegible], [illegible], [illegible], [illegible] [illegible]

Cc: [illegible] R. [illegible], [illegible], U. S. Geological Survey

Subject: Copper [illegible] property, [illegible], [illegible], [illegible] [illegible]

[illegible]

It is recommended that the subject application be placed in the inactive file to be reconsidered if and when the applicant submits a revised exploration program to be based on results obtained from a drilling [illegible] program.

[illegible]

The [illegible] property was visited on [illegible] 19, 1951, in company with two of the applicants, [illegible] [illegible] and [illegible] [illegible]. Following the inspection, it was pointed out to the applicants that at the time of present knowledge the property did not warrant DMA exploration assistance, but that the property did have some favorable features. These included the fact that [illegible] copper ore had been produced, and that one of the nine workings exposed a fairly strong copper-bearing quartz vein which warranted additional exploration. Various exploration possibilities were discussed and it was advised that the applicants contact a limited drilling program with their own funds to further explore the extent of the quartz vein. In the event the drilling program proved successful in determining the strength and continuity of the vein, a limited DMA exploration program might be warranted. The applicants agreed to this proposal and stated that they would use their own bulldozer to the property and continue their operations vigorously. They stated that following completion of the program they would notify this office and if the drill results were favorable an application for a revised exploration program would be submitted. To date, no word has been received from the applicants therefore, it is suggested that the subject application and report be forwarded to Washington to be held in abeyance pending further notification from the applicants.

[illegible]

The Copper Mountain property is on the South Branch of Uncle Ike Creek, in sec. [illegible], T. 8 N., R. 29 E., about 22 miles north of Howe, Idaho. The property is comprised of the Copper Mountain and Copper Mountain No's. 1, 2, 3, 4, and 5 unpatented claims. All claims are adjoining.

MINE WORKINGS

A number of short adits have been driven on the property, most of which are now inaccessible. These adits have been randomly directed, most of them having different targets. At the present time there are four short adits open, as well as a 7-foot shaft and a large bulldozed pit (see accompanying field map).

GEOLOGY

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To the northwest, other short adits, as well as the large bulldozed pit are in the underlying white quartzite. None of these workings are very far beneath the top soil, and, none show any evidence of mineralization.

PROPOSED EXPLORATION PROGRAM

The applicants were of the opinion that continued exploration would uncover the "main lead" which would be a substantial ore producer. They proposed to do this work by various drifts. Following the examination it was suggested that they explore the southeast adit quartz vein to the northeast by a series of bulldozed trenches. These trenches would not have to be over 6 to 10 feet deep to penetrate the surface mantle, and they should readily tell how continuous the vein is to the northeast. In the event bulldozing should uncover more favorable features of the vein that would warrant further investigation, a more extensive exploration program might be considered by DMM.

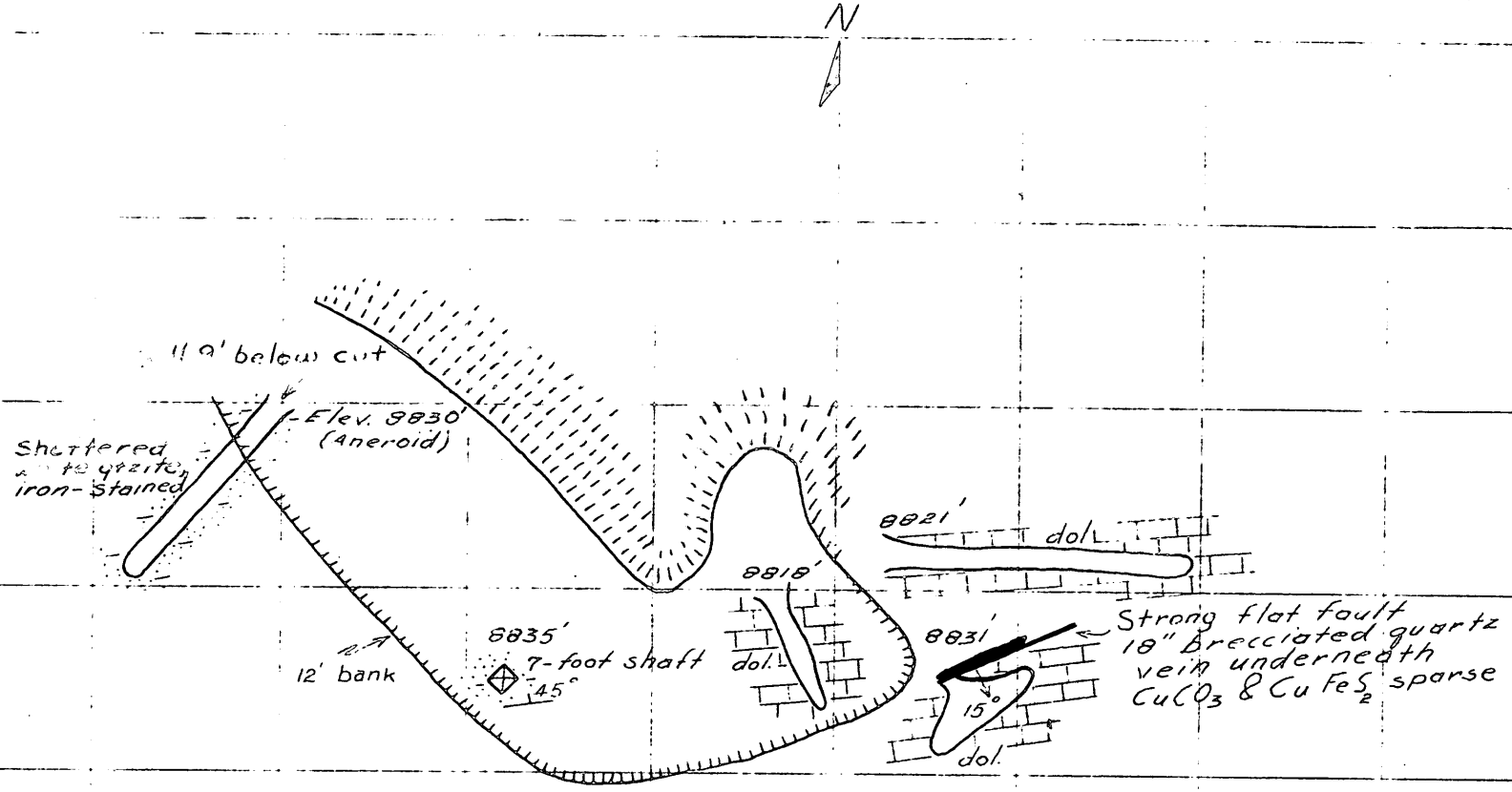
COMPETENCE OF APPLICANTS

The applicants are farmers living in the area around Terreton, Idaho. Two of them, Mr. Elmer Jernberg and Mr. Edward Staley, have had considerable experience as miners in various western mining camps. They have also had experience handling heavy machinery and are quite capable of conducting the proposed bulldozing program. In the event a more extensive exploration program is entered into, the applicants will either have to engage a more technically trained man to manage the operations or retain a consultant.

CONCLUSION

The Copper Mountain property is a marginal prospect. It has produced some ore and has one copper-bearing quartz vein that warrants limited exploration. If the proposed bulldozing program does not indicate that the quartz vein is continuous and strong enough to warrant further exploration, no further consideration should be given the property.

cc: G...B...



Copper Mountain property
Butte Co., Idaho
1" = 40'
Sept. 18, 1951

Thor H. Kiilsgaard

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

AUG 27 1951

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 1628X

Commodity Copper

Applicant Mr. Elmer Jernberg

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon

Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

T. P. Thayer
For Geological Survey

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 26 9 07 AM '51

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1628X

Commodity COPPER

Total Amount $28,900

Govt. Participation $14,450

1. Name and Address of Applicant ELMER JERNBERG
TERRETON IDAHO

2. Location of Property SEC 8, T 8N, R29E
BUTTE COUNTY, IDAHO

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

If not, application will be rejected.

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

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

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

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

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

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

productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? —

b) MF-202 —

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

a) Available manpower YES

b) Equipment and supplies YES
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* YES

d) Water (question 13)* Yes apparently

e) Power (question 13)* No MENTION

Is a field check needed on any of these points? Yes - power & amt. of water ?

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

Is a field check needed on this point? No

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

a) Is the project adequately described? No

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

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

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

If not, what part of it is?

Is this part a worthwhile exploration project? –

d) Are the cost estimates detailed? No.

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

e) Are the cost estimates reasonable? Rents too low.

f) Should more information be requested from applicant? Yes.

g) Is a field examination necessary to complete Exhibit A? Yes - check costs and rentals. Also consider technical suitability of proposed work. A sketch is needed to show location

11. Exhibit B (question 23-d)*

a) Is it applicable? No

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

c) Is a field check needed? No

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

a) Is it applicable? Not e.

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

c) Are rents and charges reasonable? Rents too low.

d) Is a field check needed? Yes. Check on suitability and condition of equipment to be used, and proposed rental rates.

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

a) Are there sufficient data? No - Does not state No. of days a week work is to be done

b) Is the schedule adequate for the work proposed? Project not outlined enough

c) Is the schedule excessive for the work proposed? same as above

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes

EXHIBIT A

The applicant proposes to do 200 hours of stripping and sinking drift using place that looks promising

23. LABOR	$44.50/DAY	
REROOF HOUSE		$250.00
RENT COMPRESSOR, JACK HAMMER, STOPER AND STEEL	$12/DAY	
D8 BULLDOZER - 200 HOURS - RENT TO PROJECT	$11/HR.	2200.00
MATERIAL + SUPPLIES	$10/DAY	
23d. NOT APPLICABLE		
23e. NOT APPLICABLE		
23f. RENT COMPRESSOR, JACK HAMMER, STOPER, STEEL.	$12/DAY	
23g. D-8 CAT. + DOZER FOR 200 HOURS AT $11/HR.		$2200.00
23h. MATERIAL + SUPPLIES	$10/DAY	
23.a. 2 MINERS	$11.75/DAY	
2 MUCKERS	$10/day	
b. NO cost for exploration		
23c. REROOF HOUSE		$250.00

14. Exhibit E (question 23-c)*

a) Is it applicable? YES

b) Sufficient data? YES

c) Reasonable? YES

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? Project not outlined enough to tell.

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? A rough estimate would put this steamgirl costs above his estimated cost. Ascertain feasibility of project. and geologic probabilities

Reviewed by: [illegible]

[illegible]

[illegible]

Date 8/22/51 [illegible]

97692

Field Reports

DMA-1628X
Copper
Region II

ELMER JERNBERG, TERRETON, IDAHO. Copper Mountain Property, Butte County, Idaho.

Field recommends application be held in abeyance pending further notification from applicant. Committee reviewed. Case referred to Examining Division.

Copper
Region II

Butte County, Idaho.

Field recommends application be held in abeyance pending further notification from applicant.

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

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 1620X

Commodity Copper

Applicant Mr. Elmer Jernberg

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

RVWaugh:rw
8-22-51

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

AUG 27 1951

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 1628X

Commodity Copper

Applicant Mr. Elmer Jernberg

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

FILE COPY
SURNAME:

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

A. E. C.

AUG 27 1951

Mr. Elmer Jernberg

Terreton, Idaho

Re: DMA Docket 1628X

Dear Mr. Jernberg:

This is to inform you that your application for exploration aid has been referred to the field team for further study. You will hear from Mr. A. E. Weissenborn, Executive Officer, DMA Field Team, Region II, South 157 Howard Street, Spokane 8, Washington, or one of his staff when they are ready to visit your property.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

JF 8/27

RVWaugh:rw
8-22-51

Copy to: Administrator's Reading File
Reports and Records Branch
Executive Officer, DMA Field Team II
Coordinating Committee
Mr. Gowen
Mr. MacLaren
Files - DMA Docket

AUG 27 1951

Mr. Elmer Jernberg

Terreton, Idaho

Re: DMA Docket 1628X

Dear Mr. Jernberg:

This is to inform you that your application for exploration aid has been referred to the field team for further study. You will hear from Mr. A. E. Weissenborn, Executive Officer, DMA Field Team, Region II, South 157 Howard Street, Spokane 8, Washington, or one of his staff when they are ready to visit your property.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

EVBaugh:rw
8-22-51

Copy to: Administrator's Reading File
Reports and Records Branch
Executive Officer, DMA Field Team II
Coordinating Committee
Mr. Gowen
Mr. MacLaren
Files - DMA Docket

FILE COPY
SURNAME:

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

June 20, 1951

Mr. Elmer Jernberg
Terreton, Idaho

Subject: DMA-1628X
Re: Exploration Loan
Copper Mountains

My dear Mr. Jernberg:

Receipt is acknowledged of your application and attachments of May 25, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1628X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on June 11, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1628X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

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

DMA 1628X

856

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1628X

Commodity COPPER

Total Amount $26,900

Govt. Participation $14,450

1. Name and Address of Applicant ELMER JERNBERG
TERRETON IDAHO

2. Location of Property SEC 8, T 8N, R29E
BUTTE COUNTY IDAHO

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

If not, application will be rejected.

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

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

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

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

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

Does the lease have sufficient time to run to cover a future productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? –

b) MF-202 –

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

a) Available manpower Yes

b) Equipment and supplies Yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes.

e) Power (question 13)* No mention

Is a field check needed on any of these points? Yes, Power and amt. of water.

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

Is a field check needed on this point? No

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

a) Is the project adequately described? No

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

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

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

If not, what part of it is?

Is this part a worthwhile exploration project? –

d) Are the cost estimates detailed? No

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

e) Are the cost estimates reasonable? Rents too low.

f) Should more information be requested from applicant? Yes

g) Is a field examination necessary to complete Exhibit A? Yes, check costs and rentals. Also consider suitability of proposed work. Sketch is needed to show location.

11. Exhibit B (question 23-d)*

a) Is it applicable? No

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

c) Is a field check needed? No

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

a) Is it applicable? Not [illegible]

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

c) Are rents and charges reasonable? Rents too low

d) Is a field check needed? Yes. Check on suitability and condition of equipment to be used, and proposed rented rates.

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

a) Are there sufficient data? No. Does not state No. of work days a week

b) Is the schedule adequate for the work proposed? Project not [illegible] [illegible]

c) Is the schedule excessive for the work proposed? same as above

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes

EXHIBIT A

The applicant proposes to do 200 hours of stripping and sinking drift any place that looks promising

23.	LABOR	$450/DAY	
	REROOF HOUSE		$150.00
	RENT COMPRESSOR, JACK HAMMER, STOPER AND STEEL	$12/DAY	
	D8 BULLDOZER · 200 HOURS - RENT TO PROJECT	$11/HR	2200.00
	MATERIAL / SUPPLIES	$10/DAY	
23d	NOT APPLICABLE		
23e	NOT APPLICABLE		
23f	RENT COMPRESSOR, JACK HAMMER, STOPER, STEEL	$12/DAY	
23g	D-8 CAT & DOZER FOR 200 HOURS AT $11/HR		$2200.00
23h	MATERIAL & SUPPLIES	$10/DAY	
23a	2 MINERS	$175/DAY	
	2 MINERS	$10/day	
b	NO [illegible]		
23c	REROOF HOUSE		$250.00

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? Yes

c) Reasonable? Yes

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? Project not outlined enough to tell

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Crude estimate would put this project costs above the estimated cost. Question feasibility of project and geologic probabilities

Reviewed by: [illegible]

D R Mackoven

C Holman

Date 8/22/51 J B Gowen

97692

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1628X

Date received 6/5/51

Participation

ELMER JERNBERG
Terreton IDAHO

Name and address of applicant

Date 5-25-51

FILL IN THIS BLOCK

Date of application 5-25-1951

Estimated cost For a Period of 20 Months $28,900

Mineral or metal Copper

Percentage of Government participation 50%

Location of mine Sec 8, T. 8 N., R 29 E. On South Branch of Unkle Ike creek, Hamilton Mining Dist. Butte County Idaho

Date of filing MF-100 5-25-51

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

ELMER JERNBERG Terreton IDAHO
EDWARD STALEY " " " "
RALPH TAYLOR IONA " "
NEAL POOLE IDAHO FALLS IDAHO

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. ELMER JERNBERG MINING AND PROSPECTING EXPERIENCE 26 years
EDWARD STALEY same
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none
7. If lessee, attach a copy of the lease and state if it is in good standing.

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Log House 18x24 Needs some Repairs - Gasoline Hoist, And other Small Hand tools, Needed For A Small Prospect

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

*16. History:

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

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

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

*17. Production:

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

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold	Not in Production			

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

See Letter

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

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

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

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

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

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

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

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

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

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

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

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.

Copper Mountain
(Name of company)

By Elmer Grimberg
(Signature of authorized official)

5-25-51
(Date)

Partner
(Title)

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

*Same as footnote on page 1.

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

FORM C.Q. 77-1.

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah,

Provisional Settlement
7274-a

December 4, 1941

ELMER JERNBERG AND M. E. STALEY, c/o Elmer Jernberg, Terreton, Idaho

Pay Shipper: Elmer Jernberg SP: Terreton, Idaho

Ore Crude Lot No. 2 Gold License No.

Sampled by Midvale Received 11-25-41 Sampled 11-30-41 Assayed 12-1-41

Metal Quotations—Gold Silver 70.625 Copper, N. Y. 11.650 Lead, N. Y. Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay	.0075	1.95	18.43		6.4	21.8	.70	.70	6.60	

CAR NOS.	WET WEIGHT
Own Truck	3 loads
Total Wet Weight	
Sacks	
Net Weight	21780
Less H_2O 15.8 %	3442

METAL VALUE		
Gold 100% @		
Silver 100% Less ½ oz.	1	02
Copper	30	59
Lead		
Zinc		
Total Metal Value	31	61
Less 5 % of value of silver		05
Gross Value	31	56
Less Working Charge	5	16

WORKING CHARGE		
Treatment Base 30% Lead		
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge; excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit		
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 18338 Payment for 9.169 tons @ 26 40 per ton 242.06

Freight advanced @ per ton		
Handling Charge Acct. Less Than 10 Tons		
Assay Charges		
Sampling Charges		
Hauling Charges:		
		242.06
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment		

Checked by

Approved by

FORM C.O. 77-1

Final Settlement
7274-a

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 22, 1941

Pay ELMER JERNBERG AND M. E. STALEY, c/o Elmer Jernberg, Terreton, Idaho

Shipper: Elmer Jernberg SP: Terreton, Idaho

Ore Crude Lot No. 2 Gold License No.

Sampled by Midvale Received 11-25-41 Sampled 11-30-41 Assayed 12-1-41

Metal Quotations—Gold Silver 70.625 Copper, N. Y. Lead, N. Y. Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay		1.95								

CAR NOS.	WET WEIGHT
Total Wet Weight	
Sacks	
Net Weight	
Less H_2O %	

METAL VALUE		
Gold 100% @		
Silver 100% Less ½ oz.		
Copper		
Lead		
Zinc		
Total Metal Value		
Less % of value of silver		
Gross Value		
Less Working Charge		

WORKING CHARGE		
Treatment Base 30% Lead		
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit		
Iron Credit		
Net Working Charge		

Dry Weight, lbs. Payment for 9.169 tons @ 49 per ton 4.49

Freight advanced @ per ton

Handling Charge Acct. Less Than 10 Tons

Assay Charges Final Silver Pay Per Ton .97

Sampling Charges Prov. " " " " .48

Hauling Charges: .49

Checked by Amount Withheld Pending Receipt of Silver Affidavit

Approved by Net Payment

FORM NO. 77-1

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Provisional Settlement
7245-a

Salt Lake City, Utah, November 19, 1941

Pay ELMER JERNBERG, Terreton, Idaho

SP: Terreton, Idaho

Ore Crude Lot No. 1 Gold License No.

Sampled by Midvale Received 11-11-41 Sampled 11-14-41 Assayed 11-17-41

Metal Quotations—Gold 34.9125 Silver 70.625 Copper, N. Y. 11.650 Lead, N. Y. Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay	.03	2.15	19.10		8.6	21.3		.20	5.4	

CAR NOS.	WET WEIGHT
Own Truck	
Total Wet Weight	
Sacks	
Net Weight	9200
Less H_2O 17.6 %	1620

METAL VALUE		
Gold 100% @ 31.8183		95
Silver 100% Less ½ oz.	1	17
Copper	31	75
Lead		
Zinc		
Total Metal Value	33	87
Less 5% of value of silver		06
Gross Value	33	81
Less Working Charge	5	38

WORKING CHARGE		
Treatment Base 30% Lead		
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit		
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 7580	Payment for 3.790	tons @	28	43	per ton	107.75
Freight advanced @	per ton					
Handling Charge Acct. Less Than 10 Tons					7.50	7.50
Assay Charges						
Sampling Charges						
Hauling Charges:						
						100.25
Checked by	Amount Withheld Pending Receipt of Silver Affidavit					
Approved by	Net Payment					

FORM C.O. 77-1 .®

Final Settlement
7245-a

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah December 22, 1941

Pay ELMER JERNBERG AND M. E. STALEY, c/o Elmer Jernberg, Terreton, Idaho

Shipper: Elmer Jernberg SP: Terreton, Idaho

Ore Crude Lot No. 1 Gold License No.

Sampled by Midvale Received 11-11-41 Sampled 11-14-41 Assayed 11-17-41

Metal Quotations—Gold Silver 70.625 Copper, N. Y. Lead, N. Y. Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay		2.15								

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead		
		Silver 100% Less ½ oz.			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
		Total Metal Value			Sulphur Charge, excess over 2%		
		Less % of value of silver			Arsenic Charge, excess over 2%		
Total Wet Weight							
Sacks					Total Debit		
Net Weight		Gross Value			Iron Credit		
Less H_2O %		Less Working Charge			Net Working Charge		

Dry Weight, lbs. Payment for 3.790 tons @ 57 per ton $ 2.16

Freight advanced @ per ton

Handling Charge Acct. Less Than 10 Tons

Assay Charges Final Silver Pay Per Ton 1.11

Sampling Charges Prov. " " " " .54

Hauling Charges: .57

Checked by Amount Withheld Pending Receipt of Silver Affidavit

Approved by Net Payme

- FORM. M.F.-103 -

(9.)

This property that we are putting in for a loan is called the Copper Mountain.
We have no actual cash to put in on project
We have a D-8 Caterpiller and dozer to do stripping, we also have hoisting equipment hand tools, and other prospect-ing equipment.
There are four of us that are partners in deal, and we can have the help of two more men, making six in all on this prospect, against this possible loan.
We need to rent mining equipment to work property.
We will need a compressor, drill steel, powder, subsistence, some repairs on house, and other things necessary to do this work

We want to do about 200 hrs of stripping at $11.00 per hr
From what we can see after stripping we would want to drift on exposed ore bodies to try to find the main lead.

(10)

(9) Copper MOUNTAIN - Name of Claim to be worked at present, there are five other claims adjoining that will be in on loan

FORM. M.F. - 103 -

(G) Sec 8, T. 8N. R 29.E.
HAMILTON MINING distric.
Butte COUNTY. IDAHO.
This includes All of the properties.

(11) Present NAME of properties.
Copper MOUNTAIN.
Copper MOUNTAINS No -1- 2- 3- 4- and 5, all ajoining.

(12) Property Located 52 Miles from Arco IDAHO in A south westerly diretion
Thirty Miles of road oiled, sixteen Miles of graveled road, six Miles of fair MOUNTAIN road, we have hauled ore over same with trucks, We have Cat AND doger road could be fixed in four days.

(16) (a) This propery was first worked on by JOHN LOTT in 1906, then by IKE-FALLERT from 1914 to 1937 we have had the property from 1937.
We have run About 300 to 500 feet of drifts and have done About 50 hours of stripping.
There is float Every wheres, some fracture fissings, ore pockets, but have NOT AS yet contacted MAIN lead.
Amsending inclosed, geological information, ALSO information on Ore shipped.

Form M.F.-103-

We have been short of cash to work this property, so have done some work and kept up our assessments, we have other property a lead prospect on the same hill that we have also been working.

(21)

We would like to do about 200 hours of stripping, then follow up on any exposed leads, to sink or drift any place that looks good enough.

We would like to put up the work of two miners, and four muckers if needed, We would like to have twenty months to complete project with chances of striking ore in 60 days after receiving loan

(23) (a) Two Miners at $11.75 per day = 2350
Two Muckers at 1050 " " 2100
Have two more muckers if needed-
b Do own supervising
c Roof house $250.00
d.
e
f Compressor Jack Hamer stoper & steel per day $12.00
g. D.8. Cat and dozer for two Hundred hrs per hr $ 1.00 per hr
h materials and supplies per day $10.00
X This compressor and equipment could be bought for half of what it would rent for a period of 20 months
Elmer Jerstberg Terrton Idaho.

applications pending could be granted. To date, no word has been received from the applicants therefore, it is suggested that the subject applications and report be forwarded to Washington to be held in abeyance until further notification from the applicants.

Location

The Copper Mountain property is on the North Branch of Wood River Creek, in Sec. 8, T. 8 N., R. 19 E., about 22 miles north of Bayne, Idaho. The Copper Mountain and Copper Mountain No's. 1, 2, 3, 4, and 5 unpatented claims comprise the property. Old claims are adjoining.

Mine Workings.

A number of short adits have been driven on the property, most of them now inaccessible. These adits have been randomly driven, most of them having different targets. At the present time there are 4 short adits open, as well as a 7-shaft and a

it was pointed out to the applicants that ~~upon~~ the terms of permit mineralized showings the property did not warrant DMA application here assistance. Hammers and foremen of the company were that it had approved shipping grade copper and that one of the mine workings exposed a fairly large copper bearing quartz vein which warranted additional exploration.

Re 8 (d) and (e)

I think there is some confusion about these questions. They are meant to apply only to the exploration project and not to a possible future mine operation. The power and water requirements for an exploration project are usually very small, and often are met by gasoline engines and ~~trucks~~ by hauling water in tank trucks.

10 (g) A field exam is necessary also for purpose of obtaining a satisfactory answer to 10 (a) + (b)

12 (d) Maybe in all cases where Applicant runs and proposes to charge rental for equipment, the FT should be asked to check up on suitability of equipment and proposed rental rates.

Macdaren failed to sign original.

Form MF-100
(March 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma-1628X

Date received 6/5/51

ELMer JerNBerg
Terreton Idaho

Name and address of applicant

Date 5-25-51

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Copper
   (*b*) What are the byproducts, if any? silver gold
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. 300
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly) Considerable stripping done
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Don't Know
3. For each operation listed above supply the following: None
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production Prospect Trifled on in 1937
   If not in production or operation, estimated date when production will begin 60 days after Govt aid
6. Experience of operators: 26 yrs mining and Prospecting experience
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. 26 yrs experience
7. History: not much business experience
   (*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.

Sent with Form M.F. 103

16—63792-1

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)
Elmer Jernberg	Partner	Ø	17000				
Edward Staley			8000				
Ralph Taylor			30000				
Neil Poole			6000				
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

Prospect

*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 [illegible]osit briefly. Accompany the application by [illegible] available report on the geology and ore reserves.

(*b*) If deposits 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)	Prospect				
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.

Copper Mountain
(Name of company)

By Elmer Jernberg
(Signature of authorized official)

5-25-51
(Date)

Partner
(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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 5 - 1951
LANDON F. STAUBEL
Executive Secretary

Form M.F.-100

1. Materials Produced.
   (A) Copper
   (b) Silver, Gold.

2.
   (A) No SHAFTS
   (b) Drifts. 300 ft.
   (d) considerable amount of striping done
   - No water

3.
   (A) Arco, Idaho, 52 miles. S.W.
   (b) Hamilton Mining Dist.
   (c) Sec 8, T. 8N., R. 29E.
   (d) Butte Co. Idaho

4.
   (A) We have run 300 to 500 ft of drifts prospecting
   Some of drifts are now caved.
   Our ore has been in pockets, we are in a faulted zone, There is considerable float every where in the section that we are working. We have a quartzite contact
   The country rock is a dolomite Lime gray in color
   The Geologists that have looked it over say the following about the property
   The ore consists principally of Malachite with small amounts of Galena and Lead carbonate.
   They say the ore occurs as fracture fillings and bedding plane replacements -

FORM M.F.-100

— in the gray dolomite diretly overlying white quartzite

We have shipped some ore to the U.S. Smelters at Midvale and the ore that we shipped or rather got payed for assayed 19 and 18 % copper, some silver and a small amount of gold.

We have some lead property over the hill we have been working this property and keeping up our assessments on the copper. Never had enough money to work both properties.

The Geologists say that it is possible that the copper could be a continuation of the Black Canyon Faulti.

(G) The Wilbert mine is in the Black Canyon Fault it is a lead property it has prouduced several millions dollers in lead, The Wilbert is about 7 miles from our property

Elmer Jensberg
Terreton Idaho.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

All of the lead-containing outcrops are weathered at and near the surface to a white or light gray sandy lead carbonate (cerussite) with minor amounts of sulfate (anglesite).

The cerussite, locally called "gray lead" or "sand carbonate," is a heavy, white to gray material having a somewhat pearly or resinous luster. It is of surprisingly wide occurrence and is found in the outcrops of all ore bodies. It is often mined as an ore of lead and may contain native silver if the primary galena was silver-bearing. Prominent outcroppings of cerussite occur on the Great Western and Wilbert ore bodies. Anglesite is not abundant in the region, although it was noted as a white to gray, somewhat nodular material.

On the Sentinel property, wulfenite (lead molybdate) occurs rather sparingly. It is found as tabular, pale yellowish plates.

Small pockets of orange and yellow lead oxides also occur at the Sentinel. These minerals are probably massicot and minium.

An outcrop of smithsonite (zinc carbonate) was observed near the Johnson property. This mineral usually occurs as nodular, crystalline incrustations.

The carbonates of copper are the weathered products of copper-bearing minerals and may constitute ore. Bright green malachite and azure-blue azurite are the copper carbonates which occur in the outcrops of copper minerals in this district.

DESCRIPTION OF MINING PROPERTIES

AJAX

This property is located in Sec. 21, T. 7 N., R. 29 E., on the south side of South Creek canyon. The country rock is a white quartzite which is in part carbonatized. Fractures trend in a general northeast direction and show striations in all directions. The dip of the fractures varies from horizontal to vertical. Galena mineralization occurs as fracture fillings and small masses up to a few inches in diameter as replacements in carbonatized quartzite. Carbonatization of the fault gouge is a common feature. Some copper mineralization accompanied the lead.

Workings consist of some 500 feet of drift and a few surface cuts.

Structurally, the mineralization is localized within fractured zones in the quartzite.

BUCKHORN

This property has shipped ore

This property is often referred to as the Bighorn. It is located in Sec. 17, T. 8 N., R. 29 E. and is in the area known as the Metta Basin, northwest of Gloved Peak.

The ore body is a bedding plane replacement of a carbonatized quartize member of the black siliceous shale series. It has a maximum width of about ten feet exposed at the surface. The ore minerals are galena, barite, and smithsonite. Limonite is fairly abundant. Quartz veins were noted extending through the ore body and following fault planes of relatively small displacement. A small amount of deposition took place along these vertical planes, but the principal deposition occurred as replacement in the carbonatized quartzite.

Although no igneous rock was noted in the immediate area, the country rock appears to have been affected by hydrothermal solutions.

The vein has been opened for a distance of about 500 feet along the strike and about 200 feet down the dip. At the time of the visit, the workings were inaccessible.

This is Property we are putting in for Loan

COPPER MOUNTAIN

Ore has bee shipped from this property

This property lies within Sec. 8, T. 8 N., R. 29 E. on a south branch of Uncle Ike Creek. The ore consists principally of malachite with possible small amounts of galena and lead carbonate. Several tunnels and surface openings had been driven, but they are now caved at the surface. Sorted ore on the dumps indicated that the ore occurs as fracture fillings and bedding plane replacements in the gray dolomite directly overlying white quartzite. It is possible that the Black Canyon fault extends as far north as this property although no detailed mapping was done in the vicinity of this prospect.

DAISY BLACK

The Daisy Black lies in Sec. 32, T. 8 N., R. 29 E. Extensive tunnels and surface workings, now largely caved, mark this locality which was the original outcrop discovery of the present Wilbert ore body. The ore occurs partly in a carbonatized member of the white quartzite and in part along an overthrust

They have taken Several Millions from this Property in The Form of Lead

fault plane. The mineralization and structural relationships have been described by Umpleby[23], and Ross[24], and Anderson[25]. No work other than a cursory surface examination was done at the Daisy Black.

GREAT WESTERN

This property lies in Sec. 8, T. 7 N., R. 29 E. It has been briefly discussed by Umpleby[26] and was given a quick examination at this time. The mineralization occurs in a carbonatized zone of white quartzite about 300 feet thick. Deposition occurs on the west wall side of the Great Western fault and within the zone of movement. The ore consists essentially of argentiferous galena. Some copper-stained outcrops were noted. Ore has been shipped from this property

JOHNSON PROPERTY

This property lies in Sec. 29, T. 8 N., R. 29 E. Both Ross[27] and Umpleby[28] mention this property. Galena and smithsonite occur as replacement deposits within a bed of carbonatized quartzite which in turn lies in the gray dolomite near the contact with the underlying quartzite. There are about 500 feet of workings some 50 feet of which is an inclined shaft.

The smithsonite outcrop described by Umpleby[29] occurs in this same bed of carbonatized quartzite several hundred yards to the southeast at the main workings.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Returned 6/5/51
JUN 5 - 1951
LANDON F. SIMSEL
Executive Secretary

PROTECTION

The Protection is in Sec. 27, T. 7 N., R. 29 E. The workings consist of about 100 feet of drift along the strike of the Black Canyon fault. On the east side or hanging wall side of the fault is white quartzite and on the footwall side, gray dolomite. A slight amount of mineralization was noted in the fault gouge which consisted of limonite with some lead and copper mineralization.

SENTINEL

Some ore shipped from this property

This property lies in the North Creek canyon about one mile upstream from the Wilbert camp. It is in Sec. 33, T. 8 N., R. 29 E. Mineralization exposed by the workings consists of galena, sphalerite, cerussite, smithsonite, and wulfenite. The ore body is a replacement deposit following in part the bedding planes of the dolomite and partly the west branch of the Black Canyon fault. Development work consists of approximately 150 feet of drift, 50 feet of cross-cut at a lower level, and about 50 feet of raise connecting the two levels.

This is our Lead Property, just over Hill from Copper

WHITEBIRD

We have shipped some ore from this property

This property lies in the Metta basin, Sec. 17, T. 8 N., R. 29 E. It is near the northward projection of the Black Canyon fault in the shaly limestone formation. Mineralization occurs in a vertical fault zone which trends approximately east-west. The ore consists of galena in a gangue of barite. The ore body is somewhat irregular in shape, being more or less spotted along the fault zone and extending for short distances along the limestone beds on either side. The workings consist of a 110-foot shaft and a 100-foot cross-cut farther down the hill. The two workings are not connected. At the bottom of the shaft, the breccia zone is wider than it is nearer the surface, although the values are not as apparent. Considerable limonite is found in the bottom of the shaft.

The existence of the mineralized fault plane suggests that this structure may have been the course along which the ore solutions migrated from depth. This fault plane can be traced into the siliceous black shale formation where wider zones of limonite stained material are found.

WHITEROCK

This property lies in Sec. 34, T. 7 N., R. 29 E. Mineralization consists of galena in the fractured white quartzite and is associated with east-west trending shear zones. Striations along the fault plane are horizontal.

---

[23] Umpleby, J. B., op. cit. pp. 115-117.
[24] Ross, C. P., op. cit. pp. 7-12.
[25] Anderson, A. L., op. cit.
[26] Umpleby, J. B., op. cit. pp. 117-118.
[27] Ross, C. P., op. cit. pp. 8, 9.
[28] Umpleby, J. B., op. cit. p. 117.
[29] Umpleby, J. B., op. cit. p 117.

Elmer Jernberg
Terreton Idaho

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1628X

Date received 6/5/51

Participation

Elmer Jernberg
Terreton Idaho

Name and address of applicant

Date 5-25-51

FILL IN THIS BLOCK

Date of application 5-25-51

Estimated cost 28,900

Mineral or metal Copper

Percentage of Government participation 50%

Location of mine Sec 8, T8N., R29E on South branch of Uncle Sam Creek. Hamilton Mining Dist Butte County Idaho.

Date of filing MF-100 5-25-51

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

Elmer Jernberg Terreton Ida
Edward Staley " " "
Ralph Taylor Jona " "
Neal Poole Ida Falls " "

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

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

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

See Letter form enclosed.

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Log house 18 X 24 in need of some repairs, Gasoline hoist and

15. State in detail how the ore could be shipped and how and where milled. hand tools, needed for a small Prospect

*16. History:

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

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

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

*17. Production:

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

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

Not in production

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LAMOON F. STROBEL
Executive Secretary

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

See Letter

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

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

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

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

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

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

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

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

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

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

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

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.

Copper Mountain
(Name of company)

By Elmer Jernberg.
(Signature of authorized official)

5-25-51
(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.

*Same as footnote on page 1.

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

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1628X

Date received 6/5/51

ELMER JERNBERG
TERRETON
IDAHO

Name and address of applicant

Date 5-25-51

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (a) What are the chief mine, mill, or smelter products? copper Silver Gold
   (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. 50
   (b) Linear feet of drifts and crosscuts. 300
   (c) Linear feet of tunnels or adits.
   (d) Linear feet of other mine openings (explain briefly). considerable Amount of Striping done
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. none dont know
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. By our selves
   (b) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production Prospect Filled on in 1937
   If not in production or operation, estimated date when production will begin 60 days after Govt Aid
6. Experience of operators: 26 yrs experience
   Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who manage the project. ELMER JERNBERG 26 yrs Prospecting and MINING EXPERIENCE
7. History: EDWARD STALEY " " " " " " " "
   (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.

Sent with Form M.F. 103 -

16—63792-1

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)
Elmer Jernberg	Partner	Y	12,000				
Edward Staley	" "	Y	8,000				
Ralph Taylor	" "	Y	30,000				
Neal Poole	" "	X	6,000				
	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	$	$	$		
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.)	Prospect				
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)	Prospect				
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.

Copper Mountain
(Name of company)

By Elmer Jernberg
(Signature of authorized official)

5-25-1951
(Date)

Partner
(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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma-1628X

Date received 6/5/51

Participation

Name and address of applicant

ELMe JerNBerg
Terreton IdAHo

Date 5-25-51

FILL IN THIS BLOCK

Date of application 5-25-51

Estimated cost For Period of 20 Months $28,900

Mineral or metal Copper

Percentage of Government participation 50%

Location of mine Sec 8, T. 8N., R29E, ON South BRANCH of UNcle JKe Creek HAMILTON MINING Dist Butte County IdAHo

Date of filing MF-100 5-25-51

DMA Docket Number, if available

INSTRUCTIONS

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

ELMer JerNBerg TerretoN IdA
Edward STALey " " "
RALph TAYlor IdNO " "
NeAL Poole IdA FALLS " "

THE APPLICANT

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

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

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

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. Elmer Jensberg 1 6 yrs experience Prospecting and mining Edward Staley — same

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

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

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

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Log House 18 x 24 - in need of some repairs. Gasoline Hoist, and other

15. State in detail how the ore could be shipped and how and where milled. hand tools needed in a small prospect

*16. History:

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

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

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

*17. Production:

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

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

Not in production

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

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

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

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

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

DEPARTMENT OF THE INTERIOR
Petroleum Administration
RECEIVED
JUN 5 - 1951
LANDON F. SINGEL
Executive Secretary

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

See Letter Inclosed

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

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

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

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

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

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

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

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

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

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

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

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.

Copper Mountain
(Name of company)

By Elmer Jernberg
(Signature of authorized official)

5-25-51
(Date)

Partner
(Title)

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

*Same as footnote on page 1.

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

Form MF-100
(March 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma - 1628X

Date received 6/5/51

ELMER JERNBERG
TERRETON IDAHO

Name and address of applicant

Date 5-25-51

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? copper
   (*b*) What are the byproducts, if any? silver gold
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. 300
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly) Considerable stripping done
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. none Don't know
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production Prospect
   If not in production or operation, estimated date when production will begin 60 days after Govt aid
6. Experience of operators: 26 yrs Prospecting and mining experience
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. 26 yrs mining and Prospecting experience
7. History: not much business experience
   (*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.

Sent with M.F. 103 -

16—63792-1

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)
Elmer Jernberg	Partners		$12000				
Edward Staley	"		8000				
Ralph Taylor	"		30000				
Neal Porter	"		6000				
	"						
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

Prospect

*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)	Prospect				
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.

Copper Mountain
(Name of company)

By Elmer Jungberg
(Signature of authorized official)

5-25-51
(Date)

Partner
(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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Petroleum Section
JUN 5 - 1951
LANDON F. STREBEL
Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma-1628X

Date received 6/5/51

Participation

Name and address of applicant

ELmer JerNBerg
Terreton
IdAHo

Date 5-25-51

FILL IN THIS BLOCK

Date of application 5-25-1951

Estimated cost For a period of 20 months $8,900

Mineral or metal Copper

Percentage of Government participation 50%

Location of mine Sec 8., T.8N., R.29E. ON SOUTH BRANCH of Uncle Ike Creek. HAMILTON Dist., Butte County IdAHo

Date of filing MF-100 5-25-51

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

Ralph Taylor, IONA Idaho
NeAL Poole IdAHo Falls IdAHo
ELmer JerNBerg Terreton IdAHo
EdWARD Staley Terreton IdAHo

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. ELmer JerNBerg - MINING AND PROSPECTING EXPERIENCE, 26 yrs
*5. Are you the owner or the lessee of the property? EdWARD Staley 26 yrs
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

*13. State source and quantity of water available for operations and its sufficiency at all seasons. ~~Prob~~ Unese Ike creek State amount of power to be used, rate per hour or other cost, and source. RUNS WINTER AND SUMMER

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Log House 18 X 24 Needs SOME repairs, Gasoline Hoist. HAND

15. State in detail how the ore could be shipped and how and where milled. Steel And ALL HAND tools Needed

*16. History: SMELTER SALT LAKE CITY. UTAH, FOR SMALL Prospect.

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

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

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

*17. Production:

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

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

NOT IN PRODUCTION

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

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

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

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

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

FILE COPY OF THE DIRECTOR
DEPARTMENT OF THE INTERIOR
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

See Letter

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

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

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

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

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

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

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

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

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

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

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

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.

Copper Mountain
(Name of company)

By Elmer Jernberg
(Signature of authorized official)

5-25-51
(Date)

Partner
(Title)

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

*Same as footnote on page 1.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA-1628X

Date received 6/5/51

ELMER JERNBERG
TERRETON IDAHO

Name and address of applicant

Date 5-25-51

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Copper
   (*b*) What are the byproducts, if any? Silver Gold.
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. 300
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly). Considerable stripping done
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Don't Know
3. For each operation listed above supply the following: None
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production Prospect Filled on in 1937
   If not in production or operation, estimated date when production will begin 60 Days after Govt aid
6. Experience of operators: 26 yrs mining and Prospecting experience
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. 26 yrs mining and prospecting experience not much business experience
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.

Sent with Form M.F. 103 -

16—63792-1

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)
Elmer Jarnberg	Partner		$12000				
Edward Slately	" "		8000				
Ralph Taylor	" "		30,000				
Neal Poole	" "		6,000				
	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	$	$	$		
Preferred stock	$	$	$		

Prospect

*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)	Prospect				
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.

Copper Mountain
(Name of company)

By Elmer Jernberg
(Signature of authorized official)

5-25-51
(Date)

Partner
(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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary