DMEA Form 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

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DMEA Docket No. 4479

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USGS, BM

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DMEA Form 7
(12-56)

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Date	Surname	Code
1/8/57	ADL	500
	Truswell	500
1/9	Selfridge	130
1/9	Frank E. Johnson (for)	110
		~~100~~
1/10		225

1/9/57 Bishop Kiilsgaard

JAN 10 1957

Mr. Harley J. Walters, Manager
Walters and Hahn
Challis, Idaho

Re: Docket No. DMEA-4479 (Copper-Lead Zinc)
Walters and Hahn
Big Copper Nos. 1, 2, and 3 Claims
Custer County, Idaho

Dear Mr. Walters:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application have been reviewed.

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

Careful study of all our information, although noting a small amount of copper mineralization on your property, indicates to us that the probability of disclosing significant ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

Frank E. Johnson (for)
ACTING Administrator

JWAlt/er 1/8/57
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron.

R.G.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/9	ADD	500
1/9	Frank E. Johnson (for)	110
		225

1/9/57 Bach/s

500

January 8, 1957

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of application, Docket No. DMEA-479, Walters and Hahn, Big Copper Nos. 1, 2, and 3 Claims, Custer County, Idaho, Copper-Lead-Zinc.

The cited application, dated September 20, 1956, was received by this office on September 28. On October 10, the application was referred to the Field Team for their consideration, a field examination if warranted, and recommendations.

The exploration proposed by the Applicant consists of two stages: Stage I, 1,000 feet of diamond drilling; and Stage II, 1,000 feet of crosscutting and drifting, and 2.5 miles of access road. The Applicant estimated that the proposed work would cost $63,510.00.

The deposit crops out on the top of a round ridge. Five dozer trenches and one shallow pit have exposed the mineralized contact for a distance of approximately 460 feet. No other work has been done on the property except the access road.

Trenching has exposed a zone of oxidized copper minerals occurring as a disseminated replacement deposit in impure quartzite along a carbonaceous shale bed. The zone which has been exposed for about 250 feet along the strike, ranges in width from about 1 foot to 6 feet. The Field Team states:

> "The assay results from the samples cut across this zone indicate that the grade is about 1 percent copper, and exploration is not warranted."

They further state:

> "The outcrops cut by the trenches indicate that the copper occurs in small amounts disseminated within quartzite bordering a shale bed. The assays from samples cut indicate that the deposit is too low grade to be of economic importance."

There has been no previous production from this property.

We concur with the recommendations of the Field Team and the commodity members of the USGS and USBM that the application be denied.

W. R. Griswold

W. R. Griswold

JWAlt/er

Copy to: Docket
Base Metals
Chron.

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

OFFICIAL FILE COPY
D M E A
IN REPLY REFER TO:
RECEIVED JAN 4 1957

DATE	INITIALS	CODE
1/4	Jwa	500

January 2, 1957

Re: DMEA-4479 (copper-lead)
Walters & Hahn property
Custer County, Idaho

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of Field Team report

The field examiners have recommended denial of the applicant's property, their recommendations based on the weak showings of copper mineralization in the area the applicant wishes to explore.

Copper deposits in Central Idaho are very rare: there has never been a copper producer in the vicinity of the applicant's claims, despite the common occurrence of copper-stained outcrops.

The applicant's property does not appear to warrant further exploration. The vein is weak, copper mineralization is low in grade, and further work would most probably prove disappointing. I therefore concur with the field examiners and recommend denial of the property.

T. H. Kiilsgaard

T. H. Kiilsgaard

DMEA
JAN 3 1957
DATE | INITIALS | CODE
1/3 | JWA | 500

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

January 2, 1957

Re: DMEA 4479; Cu-Pb-Zn;
Walters & Hahn
Big Copper Claims, Nos. 1, 2, and 3
Custer County, Idaho

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Review of Field Team Report of December 12, 1956 received December 26, 1956.

The applicants proposed a 2-stage program to consist of 2.5 miles of access road, 1,000 feet of core drilling and 1,000 feet of crosscutting and drifting. The proposed work would further explore a shale-quartzite contact zone which on the outcrop shows minor copper, gold and silver mineralization.

The field examiners (Nickelson, USGS, and Walker, USBM) note that the four trenches bulldozed across the contact zone show copper mineralization in the quartzite which ranges from a trace to 1.18 percent copper. They conclude the outcrops do not indicate sufficient mineral to justify the exploration.

I agree with this viewpoint, noting that neither the occurrence or the geologic setting appear favorable. I recommend denial.

O. M. Bishop

O. M. Bishop

Copy to: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Mr. Bishop
Files

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

RECEIVED
DEC 17 1956
D.M.E.A.

December 12, 1956

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

Re: Docket No. DMEA-4479(Copper-Lead-Zinc)
Walters & Hahn, Big Copper Nos. 1, 2, and 3 Claims, Yankee Fork Mining District, Custer County, Idaho

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum examination report by Howard B. Nickelson of the Geological Survey and David Walker of the Bureau of Mines, on the referenced property.

The Field Team concurs in the recommendation of Nickelson and Walker that the application for exploration be denied.

By Field Team, Region I, NW District

Wing G. Agnew

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald R. MacLaren

Donald R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures

cc: USBM (2)
USGS (SRO)
Nickelson

Reviewed by
DMEA OPERATING COMMITTEE
12-24-56
(date)

DMEA

RECEIVED
DEC 17 1956
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

November 27, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Howard B. Nickelson, Geologist, U. S. Geological Survey
and David Walker, Mining Engineer, U. S. Bureau of Mines

Subject: Field Examination Report, Docket No. DMEA-4479 (Copper-Lead-Zinc)
Walters & Hahn, Big Copper Nos. 1, 2, and 3 Claims,
Yankee Fork Mining District, Custer County, Idaho

INTRODUCTION

On September 20, 1956, Oscar G. Hahn, Irvin, Idaho, and Harley J. Walters, Challis, Idaho, partners, submitted an application to explore for copper on the Big Copper claims at the headwaters of Muley Creek, Custer County, Idaho. The exploration proposed consists of two stages: Stage I, 1,000 feet of diamond drilling; and Stage II, 1,000 feet of crosscutting and drifting, and 2.5 miles of access road.

The property was examined on October 13, 1956, by the writers, accompanied by Mr. Harley J. Walters. The prospecting on the property consisted of bulldozer trenches, which were mapped and sampled.

SUMMARY

Trenching has exposed a zone of oxidized copper minerals occurring as a disseminated replacement deposit in impure quartzite along a carbonaceous shale bed. The zone which has been exposed for about 250 feet along the strike, ranges in width from about 1 foot to 6 feet (pl. 1). The assay results from the samples cut across this zone indicate that the grade is about 1 percent copper, and exploration is not warranted.

RECOMMENDATION

It is recommended that the application be denied.

Reviewed by
DMEA OPERATING COMMITTEE
12-20-56
(date)

LOCATION AND ACCESSIBILITY

The property is in T. 11 N., R. 15 E., on the divide between Yankee Fork and the headwaters of Muley Creek in the Yankee Fork Mining District, Custer County, Idaho.

The mine road starts from Robinson Bar, 15 miles west of Clayton, Idaho, on U. S. Highway 93 and continues in a northerly direction for 3.5 miles to the prospect. This road is accessible for jeeps or other 4-wheel drive vehicles in good weather, and impassible from December to June.

PROPERTY RIGHTS

The property is owned by Harley J. and Adelaide Walters, Arthur L. and Ruby McGowan, A. W. and Edna R. McGowan, all of Custer County, Idaho; and George and Edna Mae Jukich of White Pine County, Nevada, and it was leased to Oscar G. Hahn of Irwin, Idaho, on July 17, 1956. The land consists of three unpatented mining claims, Big Copper Nos. 1, 2 and 3, recorded in Book 15, pages 31, 46 and 47, Custer County Courthouse, Challis, Idaho.

DESCRIPTION OF THE PROPERTY

The deposit crops out on the top of a round ridge. Five dozer trenches and one shallow pit have exposed the mineralized contact for a distance of approximately 460 feet (pl. 1). No other work has been done on the property except the access road. The claim corners were not located, and the applicant did not include a claim map with the application.

GEOLOGY

The regional geology of the area has been mapped and described by Clyde P. Ross and Thomas H. Hite, Jr., (U. S. Geol. Bull. 877, 1937). The deposit is in Wood River formation (Pennsylvanian), and approximately a quarter of a mile south of the deposit, a quartz monzonite contact trending southeast was observed. Challis volcanic rock caps a knoll to the east of the deposit; Ross and Hite mapped a large area of these rocks north and east of the deposit.

The mineralized rock occurs in an impure quartzite adjacent to a carbonaceous shale or argillite. The quartzite and the shale strike north to northeast and dips 30° to 70° east or southeast. The shale exposed in the dozer trenches is soft and crushed indicating some movement along the quartzite contact.

In the trench between station 1 and 2, only a few specks of malachite were found along small fractures across approximately a 2-foot width. No samples were cut from this trench because the material was obviously low grade.

In the next trench to the south sample 442C, cut across 1 foot, contained 0.03 ounce gold, 0.2 ounce silver and 0.74 percent copper. The visual copper mineral included in the sample was malachite, but near the bottom of the trench partially oxidized chalcopyrite was found as blebs and small stringers. Near station 4, a yellow-red iron gossan was exposed which the applicant reported contained a small amount of lead. A grab sample taken here, 443 C, assayed a trace gold, 0.1 ounce silver, and a trace lead and copper.

In the next trench between stations 5 and 6, the mineralized contact widens to approximately 5 feet. A sample across this width, 444 C, contained 0.02 ounce gold, trace silver and 0.96 percent copper. The gossan near station 4, continues into the trench near station 5, (pl. 1).

The contact between the quartzite and the shale swings to the southwest in trench between stations 7 and 8. The vein widens to about 8 feet in this trench. A sample cut across this width contained a trace gold, 0.3 ounce silver and 1.18 percent copper.

A long trench down the side of the hill in the vicinity of station 11 exposed a few specks of malachite on the shale-quartzite contact. The applicant stated that the bank along this trench had been sampled, and the assay returns showed a trace to a few tenths percent copper.

A trench about 300 feet north of station 1, was bulldozed but failed to cut the bedrock.

The outcrops cut by the trenches indicate that the copper occurs in small amounts disseminated within quartzite bordering a shale bed. The assays from the samples cut indicate that the deposit is too low grade to be of economic importance.

PAST PRODUCTION

There has been no previous production from this property.

AVAILABILITY OF SUPPLIES AND MANPOWER

The property is located about midway between Clayton and Stanley, Idaho. Necessary manpower for this project could be found without difficulty in the immediate vicinity. Supplies could be

obtained from Salmon, 91 miles north, or Mackay, 78 miles south. Mackay is the closest shipping point.

CONCLUSION

The method of exploration proposed by the applicant is sound, but the outcrops do not indicate sufficient mineral to justify the undertaking.

The writers recommend that the application for exploration be denied.

Enclosure

Distribution:
- DMEA (4)
- USBM (5)
- USGS (SRO)
- Docket
- Nickelson

File Copy
Surname

J. Allen
Dingwall
Selfridge

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

500

Mr. A. K. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

OCT 10 1956

Re: Docket No. DMEA-4479 (Copper-Lead-Zinc)
Walters & Nahu
Big Copper Nos. 1, 2, and 3 Claims
Custer County, Idaho

Dear Mr. Weissenborn:

The cited application is being referred to your office for consideration, a field examination if warranted, and recommendation.

We realize that the information contained in the application is very meager and incomplete but rather than write to the Applicant for additional information and delaying the processing of the application, we are referring it directly to you.

In the event that you should consider the application favorably, the Applicant should be requested to furnish a property map and on this map should be shown the location of the proposed work.

The Applicant's estimated costs are excessively high and should be carefully reviewed by the Field Team. The Applicant should be requested to obtain, if possible, three independent bids for the diamond drilling. Furthermore, the estimate of $5,000.00 for an access road for the proposed amount of drilling is excessive.

In item 7(b) of the application, it is stated: "And use of equipment presently owned." There is no listing of the equipment and its present value.

We note that all of the persons mentioned in the Mine Lease as locators of the three claims have joined in the lease except Ken Austin. We will require clarification of this and if he owns an interest in the two claims, Big Copper No. 1 and Big Copper No. 3, we will require his Consent to Lien. In the lease it is also noted that

R.R.L.

the second claim is listed as Big Cooper No. 2 Mining Claim. We are wondering if this is a typographical error and that it should read Big Copper No. 2 Mining Claim.

Copies of memoranda dated October 3 and October 4, 1956, by J. W. Pennington, Bureau of Mines, and T. H. Kiilsgaard, Geological Survey, respectively, relating to the project, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

Frank D. Lamb

(GCS)

Member, Bureau of Mines

Thor H. Kiilsgaard

(GCS)

Member, Geological Survey

JWAlt/er 10/9/56

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Chron.

File Copy
Surname

J. Lee
Kenwood
Lamb
Kilgoore
Selfridge

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

OCT 10 1956

Mr. Harley J. Walters, Manager
Walters and Hahn
Challis, Idaho

Re: Docket No. DMEA-4479 (Copper-Lead-Zinc)
Walters and Hahn
Big Copper Nos. 1, 2, and 3 Claims
Custer County, Idaho

Dear Mr. Walters:

Your application for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and is referred to:

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

If additional information concerning your application is needed, the Field Team will get in touch with you at an early date.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JWAlt/er 10/9/56
Copy to: Docket
Admr R File
Oper Committee
Base Metals
Mr. Pennington, USBM
Mr. Miilsgaard, USGS
Chron.
Reg 1, N.W. Dist. (2)

R.C.L.

IN REPLY REFER TO:
RECEIVED
OCT - 5 1956
Received by Jerome 10/8/56

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

October 4, 1956

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, DMEA Docket 4479, Big Copper property, Custer County, Idaho

The applicant proposes to explore his property by 1,000 feet of diamond drilling and 1,000 feet of drifting and crosscutting. He also requests 2.5 miles of road construction. Estimated cost of the project is $63,510.00.

The property has been explored by a 20-foot shaft and a number of shallow trenches, all of which were caved in 1956. During the past summer seven trenches were bulldozed at the outcrop.

The Big Copper prospect either is a relatively new prospect or else one that has received very little attention. It lies immediately south of the Yankee Fork district, which was studied extensively by the writer in 1947, but he has never heard of it. Copper mineralization, particularly copper carbonates, is widespread in the Yankee Fork and adjoining Bayhorse districts; however, there has been little copper production. Where found in the Challis volcanics the copper-bearing outcrops invariably have not warranted prospecting. Although considerable copper coloring is found on the outcrop, the chalcopyrite - usually at or very close to the surface - is found scattered in trace amounts in epithermal quartz veins. The older sedimentary rocks, however, usually contain mineral deposits of a different type that are pre-Challis volcanics, e.g., the Red Bird, Clayton, South Butte, etc. While no copper deposits are known in either district, the Big Copper prospect would appear to warrant some attention for it apparently occurs in the Wood River quartzite at the head of Muley Creek, in rocks that could contain the more favorable pre-volcanic type of mineralization.

As we have such a limited amount of geologic information on the property it is recommended that field examiners carefully map and sample the vein reportedly exposed in the bulldozed trenches. They should also obtain from the applicant a map showing the location of the claim boundaries with respect to the outcrop and the exploration site. Should they consider the property favorably they might review

the proposed drilling to see if more drilling might not be warranted. The 1,000 feet of drifting also seems like an excessive amount. The condition of the jeep road should be checked; it might be adequate for an exploration program.

No copy of the Consent to Lien Agreement was attached to the application, as indicated in the applicant's letter of September 16, 1956.

I recommend this application be referred to the field for a report. The referral should be made very promptly for the property may be expected to become covered with snow any time after the 1st of October.

T. H. Kiilsgaard

T. H. Kiilsgaard

IN REPLY REFER TO:

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

RECEIVED
OCT - 5 1956

October 4, 1956

Memorandum

To: W. R. Grimsold, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, DMEA Docket 4479, Big Copper property, Custer County, Idaho

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T. N. Kiilsgaard

TNKiilsgaard:jch
10/4/56
cc: Director's reading 4212
Branch reading 4212
BMRA (3)
Docket file
J. W. Pennington, 3623

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

Call Betty

RECEIVED
OCT - 3 1956

October 3, 1956

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4479 (copper-lead-zinc), Walters and Hahn, Big Copper #1, #2, and #3 Claims, Custer County, Idaho. $63,510.00

The applicant proposes to explore the downward extension of mineralization by 1,000 feet of diamond drilling in Stage I and by 1,000 feet of drifting and crosscutting in Stage II at an estimated total cost of $63,510.00.

No data are given on the extent of the mineralization. Although lead and zinc are included in the Field Team's letter of transmittal, only copper minerals are noted in the application.

All estimated costs seem high and should be checked. As Stage II will be dependent upon the results obtained in Stage I, the major cost of the program (Stage II) may be unnecessary. In any event, the results of Stage I should be carefully evaluated before deciding on Stage II.

The exploration program is very indefinite and additional data must be known before the project can be evaluated.

Referral of the application to the Field Team is recommended. Particular attention should be given the selection of drill sites, the number of holes and total footage of the drilling required in Stage I, the drifting and crosscutting required in Stage II, if necessary, and unit costs.

J. W. Pennington

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

RECEIVED
OCT - 3 1956

RECEIVED
OCT - 3 1956

October 3, 1956

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

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J. W. Pennington

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
Files

RECEIVED
OCT - 3 1956

October 3, 1956

Memorandum

To: W. R. Grimwald, Defense Minerals Exploration Administration

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4479 (copper-lead-zinc), Walters and Hahn, Big Copper #1, #2, and #3 Claims, Custer County, Idaho. $63,510.00

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J. W. Pennington

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

September 28, 1956

Mr. Harley J. Walters
Challis,
Idaho

Subject: DMEA-4479
Re: Exploration Assistance
Big Copper #1,2,and 3

Dear Mr. Walters

Your application for exploration assistance, dated September 20, 1956 submitted to our office at Spokane, has been assigned Docket Number DMEA-4479 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region I,NW. Spokane, Washington

Code 500

3571

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP 28 1956

September 27, 1956

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

Re: New application (Copper-Lead-Zinc)
Walters & Hahn
Big Copper #1, #2, and #3 Claims
Custer County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Mr. Oscar G. Hahn, Irwin, Idaho, and Mr. Harley J. Walters, Challis, Idaho. We have retained one copy for our files.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

Enclosures as indicated

cc: USBM (2)
Nickelson

So. 157 Howard Street
Spokane 4, Washington

RECEIVED
OCT - 1 1956

September 27, 1956

Mr. Harley J. Walters, Manager
Walters & Hahn
Challis, Idaho

Re: New application (Copper-Lead-Zinc)
Big Copper #1, #2, and #3 Claims
Custer County, Idaho

Dear Mr. Walters:

This will acknowledge receipt of your letter of September 25, 1956, enclosing an application in quadruplicate for Defense Minerals Exploration Administration assistance. We have forwarded your application to Washington for review by the commodity group.

Enclosed are seven copies of the Consent to Lien and Subordination Agreement form which you request. Please see that all copies are signed, retain one copy for your files, and return the rest to this office.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

Enclosures

cc: DMEA (2)
USBM (2)
Nickelson

RECEIVED
OCT - 1 1956

xxxxxxxxxxxxxxxx
No. 157 Howard Street
Spokane 4, Washington

September 28, 1956

Mr. Harley J. Walters, Manager
Walters & Sons
Challis, Idaho

Re: New application (Copper-Lead-Zinc)
Big Copper #1, #2, and #3 Claims
Custer County, Idaho

Dear Mr. Walters:

This will acknowledge receipt of your letter of September 21, 1956, enclosing an application in quadruplicate for Defense Minerals Exploration Administration assistance. We have forwarded your application to Washington for review by the commodity group.

Enclosed are seven copies of the Consent to Lien and Subrogation Agreement form which you request. Please see that all copies are signed, retain one copy for your files, and return the rest to this office.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region 2, DM District

Enclosures

cc: DMEA (2)
USBM (2)
Nickelson

RECEIVED
SEP 28 1956

Challis, Idaho
September 16, 1956

Mr. A. E. Weisenborn
Regional Director
Defense Minerals Exploration Administration
South 157 Howard Street
Spokane, Washington

Dear Mr. Weisenborn:

Please accept the attached Application for Aid in exploring our "Big Copper" copper deposit. This application consists of the following:

Form MF-103 with Addenda
Lease and Option Agreement
Consent to Lien.

No formal description of the property is available, however, the area is included in the area covered by U.S.G.S. Bulletin #877, Geology and Ore Deposits of the Bayhorse Region, Custer County, Idaho.

Respectfully submitted,

WALTERS & MAHN
Challis, Idaho

By Harley Walters

Harley J. Walters
Manager

Enclosure

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP 28 1956

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 4479
Metal or Mineral Cop. Lead. Zinc
Date Received 9-28-56
Estimated Cost $63,510
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Walters & Hahn Challis, Idaho
Oscar G. Hahn Irwin, Idaho
Harley J. Walters Challis, Idaho

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Big Copper #1, Big Copper #2 & Big Copper #3 Mining Claims in Custer County, Idaho - See accompanying Lease Agreement.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee 25% owned by Harley J. Walters

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

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

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

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore copper, lead and zinc

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within currently in progress days and be completed within 12 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

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

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. None

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes. assaying 3 samples/round x x

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

(*b*) How do you propose to furnish your share of the costs? Private funds

[x] Money [x] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated September 20, 1956

Walters & Hahn

By [signature] (Applicant)

By Harley Walters

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

RECEIVED
SEP 28 1956

Addenda to MF-103
Walters & Hahn, Challis, Idaho

4. Physical Description.

(a) During the summer of 1956, the following exploration was completed:

1. Seven bulldozer trenches were dug in the outcrop area.

2. A Jeep access road from the mouth of Muley Creek.

Prior to 1956 the property had been tested by a number of shallow trenches and a 20 foot shaft. All were caved in the spring of 1956.

(b) No past production or reserves.

(c) Copper minerals, including azurite, malachite, chrysocolla and chalcopyrite, occur as films and blebs in a sheared schistose fine-grained quartzite horizon. Mineralization is sporadic in the horizon but appears encouragingly strong near the axis of a sharp anticlinal fold exposed in bulldozing.

The purpose of the proposed project is to explore the downward extension of mineralization along the pitch of the fold.

(d) Property presently accessible by 3.8 mile Jeep road. Approximately 2.5 miles of access road at an estimated cost of Five Thousand Dollars ($5,000.00) will be required for operation.
Residence point, Stanley, Idaho, 15 miles distant.
Supply point, Challis, Idaho, 45 miles distant.
Rail head, Mackay, Idaho, 3 miles access road and 100 miles of oiled highway.

(e) Manpower potentially ample for purposes of immediate project.
Materials and supplies available from Challis by truck.
Water is available in Muley Creek and potentially from springs in the area.
Power requirements will have to be met by diesel or gasoline driven equipment.

Addenda to MF-103
Walters & Hahn, Challis, Idaho

5. The Exploration Project.

(b) The proposed project will be accomplished in two stages:

1. Test the area in and near the axis of the fold by diamond drilling

900 feet Ex hole
100 feet Ax hole

Total 1000 feet

2. Drift to the area of most promising mineralization exposed by drilling and determine width and uniformity of ore-body by crosscutting

Total drift and x-cut 1000 feet

3. In addition to drifting, Stage #2 will require the building of approximately 2.5 miles of access road for haulage of men and supplies.

(c) Weather permitting, work can be started after May 1.

(d) Mr. Harley Walters has a number of years of experience in mining, as a miner, in several of the western states and as a leaser. Both Mr. Walters and Mr. Hahn have experience in the field of construction and the organization of manpower and equipment for efficient operation.

Addenda to MF-103
Walters & Hahn, Challis, Idaho

6. Estimate of Costs.

1000 feet of Diamond Drilling including 900 feet of Ex and 100 feet of Ax hole contingencies, supervision and assaying	Total Stage #1	$12,010.00
2.5 miles of access road		5,000.00
Portal Preparation		1,000.00
Unforeseen timbering 500 feet @ $7.00/foot		3,500.00
Assaying 200 samples @ $4.00/sample		800.00
Compressor house and shop building 42'x16'		1,200.00
1000 feet of Drift and cross cutting at $40.00 per foot		40,000.00
	Total cost of Exploration Project	$63,510.00

(a) None
(b) Included in unit costs
(c) Included in unit costs
(d) Included in unit costs
(e) None
(f) One building 42'x16' frame with metal covering for compressor, shop and office.
(g) $800.00 assaying, other items covered in unit cost.
(h) 500 feet of possible timbering @ $7.00 per foot, $3,500.00.

7. (a) Yes. Money in payment for equipment, supplies and labor.
(b) And use of equipment presently owned.

MINE LEASE

THIS MINE LEASE, Made and entered into this [illegible] day of July, 1956, by and between HARLEY WALTERS and [illegible], husband and wife, ARTHUR L. McGOWN and KEN DUSTIN, [illegible] and wife, and A. W. McGOWN and [illegible] McGOWN, husband and wife, all of the County of Custer, State of Idaho, and [illegible] JUKICH and MAE JUKICH, husband and wife, of the County of White Pine, State of Nevada, parties of the First Part, hereinafter referred to as "Lessors", and OSCAR [illegible], of the County of Bonneville, State of Idaho, party of the Second Part, hereinafter referred to as "Lessee";

W I T N E S S E T H:

That the Lessors, for and in consideration of the royalties, covenants and agreements hereinafter specified to be paid, kept and performed by the Lessee, have leased, let and demised, and by these presents do lease, let and demise unto the Lessee those certain unpatented lode mining claims situated and located in the Yankee Fork Mining District, County of Custer, State of Idaho, described as follows, to-wit:

> Big Copper Mining Claim, also known as Big Cooper No. 1 Mining Claim, located by Harley Walters, George Jukich, Arthur L. McGown and Ken Dustin by Location Notice recorded in Book 15 of Quartz Mining Claims at page 31, records of Custer County, Idaho;
>
> Big Cooper No. 2 Mining Claim, located by Ken Dustin, Harley Walters, George Jukich and Arthur L. McGown, by Location Notice recorded in Book 15 of Quartz Mining Claims at page 46, records of Custer County, Idaho;
>
> Big Copper No. 3 Mining Claim, located by Arthur L. McGown, Ken Dustin, Harley Walters, and George Jukich, by Location Notice recorded in Book 15, of Quartz Mining Claims at page 47, records of Custer County, Idaho;

said premises being leased to the Lessee for the purpose of exploring for, mining, taking out and removing therefrom, the merchantable ore, which is or which may hereafter be found on, in or under the said land, together with the right to construct all buildings and to make all excavations, openings, ditches, drains, roads and the

sole and exclusive right of digging, boring and otherwise prospecting for mineral substances.

TO HAVE AND TO HOLD The above described mining claims for the purpose of mining for the period of ten years from the date hereof, and for so long thereafter as merchantable mineral ores are located and produced from said premises.

The Lessee, in consideration of the premises, has covenanted, contracted and agreed, and by these presents does covenant, contract and agree to and with the Lessors, their heirs, executors, administrators and assigns as follows:

1. To post and keep posted on said premises notices to the effect that said mining claims or premises are leased by Oscar Hahn, as Lessee, or his heirs or assigns, and to comply with Section 44-501 and Section 44-502 of the Idaho Code relative to mine laborers.

2. That he will not permit any liens of any kind or nature for labor or materials to be filed against said property or any part thereof and agrees to hold and keep the Lessors harmless from any and all liability from such liens by him made or suffered. It is understood and agreed, however, that the limitations of paragraph 2 herein contained shall not in any way restrict the Lessee from applying for and obtaining a government financed DMEA loan and Lessors hereby specifically covenant with the Lessee that Lessee may obtain a DMEA loan from the U. S. Government and that they will execute any and all papers and instruments relative thereto including a consent to lien.

3. To comply with all federal and state laws and in particular, the Workmen's Compensation law of the State of Idaho.

4. To pay and discharge, when the same become due and payable, all taxes of whatsoever kind or nature levied, assessed or imposed upon and against improvements placed by the Lessee on said premises during the term hereof, and any and all taxes and assess-

ments levied, assessed or imposed upon and against the ores and minerals or other values mined and extracted from said premises or any part thereof.

5. To pay to the Lessors a royalty of Ten per cent (10%) of the gross smelter, mint and mill returns on all mine products, ores or values extracted and sold from said mining claims or any part thereof.

The Lessee agrees to give such instructions and directions to the smelter, mint or other purchaser of values so that said royalty payments above specified shall be paid by said smelter, mint or other purchaser direct to the Lessors as follows:

> To the account of Edna R. McGown at the Idaho First National Bank, Salmon Branch, at Salmon, Idaho;

that with each royalty payment there shall be furnished to the Lessors through Edna R. McGown, a duplicate smelter or mint return or statement from any of the purchasers to whom said products shall be sold; and no ore, concentrates, bullion, refined metal or other values shall be marketed, sold or disposed of in any way other than by direct shipment to the purchaser thereof, nor so shipped that the above specified royalties are not promptly credited to the Lessors.

6. That the Lessee, during the term of this Mine Lease, will do all things and perform all work required and necessary for properly holding said mining claims in the name of the Lessors, including the placing on record of all affidavits of assessment work and labor and will save and keep Lessors harmless and indemnified against any and all loss or losses resulting from his failure to properly hold said claims in the name of the Lessors, for so long as this Mine Lease is effective.

7. That in the event Lessors locate any other quartz mining claims in the general area of the above described mining claims during the term of this Mine Lease, they will lease said quartz

mining claims unto the Lessee under the same terms and conditions as herein contained.

8. It is specifically understood and agreed by and between the Lessors and Lessee that time is of the essence of this agreement and in the event the Lessee fails to make or cause to be made any of the payments as herein provided or fails to perform any of the covenants herein contained, then and in that event, the Lessors shall have the right to declare this Mine Lease forfeited by giving written notice to the Lessee, by registered mail, specifying the particulars wherein this Mine Lease is not being carried out. The Lessee shall have the period of thirty (30) days from the mailing of said notice within which to fully comply with the violated covenant. If such violation be not so overcome at the expiration of thirty (30) days from the mailing of said notice, then, without further demand and notice, the Lessors, by their agents or attorneys, may enter upon and into the leased premises and dispossess all persons occupying the same, with or without force and without or without process of law.

And the Lessors, in consideration of the covenants and agreements on the part of the Lessee to be kept and performed, have covenanted, contracted and agreed to and with the Lessee, his heirs and assigns, as follows:

1. That the Lessors will deliver immediately to Lessee the quiet and peaceable possession of said demised premises and warrant that the Lessors hold good and sufficient possessory title to said unpatented mining claims above described for the purpose of executing the herein contained Mine Lease.

It is further mutually covenanted, contracted, and agreed by and between all parties hereto, that the Lessee, his heirs, executors, administrators of assigns, may, at any time during the

continuance of this Mine Lease, remove or cause to be removed from the demised premises, any buildings, fixtures, machinery, or materials which said Lessee or his agents shall have placed upon said premises, and that, in the event the Lessee fails to find such minerals as would, in his judgment, justify a further development, or from any cause desires to forfeit and terminate this Mine Lease, Lessee shall have the right to do so upon first giving notice in writing to the said Lessors, their heirs, executors, administrators or assigns, and upon payment in full of any and all royalties which may have become due, this Mine Lease shall then be considered ended and of no further binding force on any of the parties hereto.

It is further understood, covenanted and agreed that every obligation hereof shall extend to and be binding upon and every benefit hereof shall inure to the heirs, executors, administrators and assigns of all parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

Harley Walters

Adelaide Walters

Arthur R. McGowan

Ruby McGowan

Arthur R. McGowan

Edna R. McGowan

Edna Mae Jukich

Lessors

Lessee

STATE OF IDAHO)
) ss.
County of Custer)

On this 17th day of July, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared HARLEY WALTERS and ADELAIDE WALTERS, husband and wife, and A. W. McGOWN and EDNA R. McGOWN, husband and wife, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Jack B. Turner
Notary Public for Idaho
Residing at Challis, therein
My commission expires:

STATE OF IDAHO)
) ss.
County of Bonneville)

On this 24 day of July, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared ARTHUR L. McGOWN and RUBY McGOWN, husband and wife, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Dale Mitchell
Notary Public for Idaho
Residing at Idaho Falls Idaho
My commission expires: Aug 25, 1956

STATE OF NEVADA)
) ss.
County of White Pine)

On this 3rd day of AUGUST, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared GEORGE JUKICH and EDNA MAE JUKICH, husband and wife, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Earl H. Finch
Notary Public for Nevada
Residing at ELKO, NEVADA
My commission expires:
My Commission Expires Feb. 23, 1958

STATE OF IDAHO)
) ss.
County of Bonneville)

On this 24th day of Aug, in the year 1956, before me, the undersigned, a Notary Public in and for said State, personally appeared OSCAR HAHN, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

R. Merrill
Notary Public for Idaho
Residing at Idaho Falls
My commission expires:
2/9/58