File Copy
Surname

Griswold
Bishop
Kilsgaard
Selfridge

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

OCT 26 1955

Mr. E. S. Bowen
Executive Vice President
Idaho Alta Metals Corporation
52 Wall Street, Room 2701
New York, New York

Re: Docket No. DMEA-3863 (Lead)
Idaho Alta Metals Corp.
Commodore Claim
Blaine County, Idaho

Dear Mr. Bowen:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-named property 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 lead-zinc mineralization on your property, indicates to us that the probability of disclosing minable 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
(By EST)
ACTING Administrator

WRGriswold/er 10/25/55
Copy to; Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron.

RCB.

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

October 25, 1955

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application on Docket No. DMEA-3863, Idaho Alta Metals Corporation, Commodore Claim, Blaine County, Idaho

The cited application refers to a large shear zone (apparently 40 to 60 feet wide) which is essentially barren. The Applicant has made exaggerated statements as to high grade and mill grade ore; however, actually the sampling of the Field Team shows no ore of any sort is present. A small amount of material is noted which is slightly mineralized with silver, lead and zinc in a few spots, but there is no reason to believe that anything of significance could be found. We therefore concur with the Field Team and reviewers in a denial.

W R Griswold

W. R. Griswold

File Copy
Surname

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

October 25, 1955

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W. R. Griswold
W. R. Griswold

WRG/er

Copy to: Docket
Base Metals
Chron.

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

RECEIVED
OCT 21 1955

October 21, 1955

Re: DMEA-3863
(Lead-Zinc, $92,152)
Idaho Alta Metals Corp.
Commodore Mine
Blaine County, Idaho

Memorandum

To: W. R. Griswold, DMEA

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

Griswold

Subject: Review of field team report dated September 30, 1955 and received October 7, 1955

The field examiners, D. C. Alvord and J. J. Quinlan conclude that although the Commodore workings and surface observations demonstrate a large fault structure near the northeast end of the Hailey-Bellevue mineral belt, there is no significant amount of mineralization exposed or any reason to believe that exploration would develop such.

The observations of the field examiners amply support this conclusion and I concur with them and the field team in recommending denial of the application.

O. M. Bishop
O. M. Bishop

Copy to - Div. of Minerals
Mr. Kiilsgaard, Rm. 5222
O. M. Bishop
Files

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

RECEIVED
OCT 21 1955

October 21, 1955

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(Lead-Zinc, $92,152)
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Blaine County, Idaho

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O. M. Bishop

O. M. Bishop

Copy to - Div. of Minerals
Mr. Kiilsgaard, Rm. 5222
O. M. Bishop
Files

IN REPLY REFER TO:

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

RECEIVED
OCT 12 1955

October 12, 1955

Re: DMEA 3863
Idaho Alta Metals Corp.
Commodore Claim
Blaine County, Idaho
$92,152.00 - Lead, zinc, silver

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report.

The application requested assistance in exploring down dip the Commodore shear zone. Work was to consist of:

Sinking, 300 feet at $60.00/ft.	$18,000.00	
Drifting, 600 " " $32.00/ft.	19,200.00	
		$37,200.00
Accessories, etc.		
Contingencies	$ 7,440.00	
Supervision, etc.	8,298.00	
Materials, etc.	4,085.00	
Equipment	35,129.00	
		$54,952.00
Total		$92,152.00

Considerable work had been done by the applicant, including stripping, driving of a short adit and sinking 200 feet of shaft. What would appear to be exaggerated ideas concerning the vein explored are given expression in the application.

The examiners failed to find material similar to that claimed by the applicant and after carefully mapping and sampling the openings concluded:--

"The Commodore structure, although large, does not contain significant amounts of ore minerals; thus there is no point in discussing the applicant's proposal. If there were an ore structure at the property, however, his proposal would be considered development rather than exploration.

"The Commodore structure is strong and persistent, but little ore has been found along it. In this regard, it is no different than any number of similar structures explored in the northeast part of the Hailey-Bellevue mineral belt. Furthermore, on the basis of present information there are no worthwhile exploration targets along it. Conceivably, if one drifted far enough or sank deep enough one might find an ore shoot, but, all factors considered, the chances are small and do not merit consideration by the DMEA.

"In conclusion, the writers would like to reiterate that the application presents a false picture of the deposit."

I consider the conclusions of the examiners well supported and concur with the recommendation of the Field Team that the application should be denied.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
OCT 12 1955

October 12, 1955

Re: DMEA 3863
Idaho Alta Metals Corp.
Commodore Claim
Blaine County, Idaho
$92,152.00 - Lead, zinc, silver

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N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/12/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)✓
Docket file
O. M. Bishop, 3617

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 7 - 1955

September 30, 1955

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

Re: Docket No. DMEA-3963
Idaho Alta Metals Corporation
Commodore property
Blaine County, Idaho

Dear Mr. Selfridge:

Enclosed are copies of an examination report by D. C. Alvord and J. J. Quinlan, U. S. Geological Survey, recommending denial of an application to explore the Commodore property. The authors conclude that the Commodore structure is strong and persistent, but that little ore has been found along it, and on the basis of present information they do not believe that there is a worth-while exploration target on the property. Samples and observations have failed to confirm the grade of ore claimed by the applicant in the winze and on the 90 level. The Field Team concurs with the recommendation for denial.

By Field Team, Region I, NW District

A. E. Weissenborn

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

Wing G. Agnew

Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosure as above

cc: USBM (2)
USGS (SRO)
Quinlan

Reviewed by
DMEA OPERATING COMMITTEE

10-12-55
(date)

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
OCT 7 - 1955

September 12, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: D. C. Alvord and J. J. Quinlan, Geologists, U. S. Geological Survey

Subject: Field Examination, Docket No. DMEA-3~~0~~63 (lead), Idaho Alta Metals Corporation, Commodore property, Blaine County, Idaho

Introduction

We examined the Commodore property on August 8 and 9, 1955. Mr. Rowland L. Hunter, mine foreman, assisted during a part of the examination.

Recommendation

We recommend that the application be denied.

Reviewed by
DMEA OPERATING COMMITTEE
10-12-55
(date)

Applicant

Idaho Alta Metals Corporation
Room 2701, 52 Wall Street
New York, N. Y.

Principal Officers

President	M. L. Blair	305 East 63 Street New York 21, N. Y.
Exec. Vice-Pres.	E. G. Bowen	Hailey, Idaho
Secty-Treas.	H. B. Jones	120 Broadway New York, N. Y.

Location

The Commodore property is in the eastern ½ sec. 19, T. 2 N., R. 18 E., B. M., Mineral Hill Mining District, Blaine County, Idaho. It is about 3 miles southwest of Hailey along State Highway 22, thence 0.3 mile south of the highway to the workings.

The workings are on a north-facing slope at an altitude of about 5,700 feet. Although the annual snowfall approaches 100 inches, the road to the property could be kept open the year around.

Property

The applicant holds the Commodore claim by lease with option to purchase. Consent to Lien agreement, requested on June 21, has not been received.

Workings

More than 1,000 feet of dozer cuts and trenches, together with a number of hand-dug pits, are present on the property (see attached map). Accessible underground workings include 240 feet of adit level drifts and crosscuts with subordinate deghole workings; 180 feet of inclined winze from the adit level; 70 feet of drift and 20 feet of crosscut on the 90 level; and 90 feet of drift on the 180 level. Most of the dozer trenching and all of the winze, 90, and 180 levels have been made by the applicant.

Geology

The geology of the area in the vicinity of the Commodore property is described by A. L. Anderson in "Geology and ore deposits of the Hailey-Bellevue mineral belt," Idaho Bureau of Mines and Geology Pamphlet No. 90, 1950, and by J. B. Umpleby and others in "Geology and ore deposits of the Wood River region, Idaho," U. S. Geol. Survey Bull. 814, 1930.

The property is principally underlain by thin-bedded black carbonaceous argillites and limy argillites of the Milligen formation of Mississippian age. The beds generally strike north or northwest and dip 40°-80° W. or SW. Locally, however, the beds are closely folded, crumpled and intensely sheared. A large diorite pluton lies about 2,000 feet south of the property.

The Commodore workings explore a large northwest-trending, northeast-dipping fault (see attached map). This structure lies near the northeastern end of the Hailey-Bellevue mineral belt described by Anderson. This belt extends northeastward from the Minnie Moore and Silver Star-Queens mines for a distance of about 7 miles and roughly parallels the Milligen-diorite contact. According to Anderson most of the mineralized fissures within the belt trend northwest and those which have been most productive dip southwest (opposite to that of the Commodore structure). Although the mineral belt covers a large area, the most productive deposits are confined to relatively small areas, the best being the Minnie Moore-Silver Star-Queens area. The only deposit of any consequence near the Commodore is the Climax, and total production from it is reported at only $80,000.00. The applicant states that the Commodore produced about $100,000.00 worth of ore about 60 years ago from shallow surface workings. None of the reports on the district mention this production, and production of this magnitude could not have come from the accessible workings. At best only a few tons, perhaps 50 to 100 tons, could have been mined from the small deghole workings. It is believed that the applicant is grossly mistaken in the amount of ore produced from the property.

At no point is the entire width of the Commodore structure exposed. Available information indicates, however, that it is 40 to 60 feet wide. Most of the underground work has been along the hanging wall of the structure.

Calcite and quartz veinlets occur within the structure and immediate hanging wall area. In places siderite is also evident. Pyrite is the dominant sulfide mineral, but small amounts of sphalerite, galena and tetrahedrite are also present. The sulfide minerals occur as disseminated grains in the country rock as well as in the calcite-quartz veinlets, and also as thin-banded veinlets in the country rock. Most of the sphalerite and galena occurs within small pod-like or lenticular bodies within, or in the immediate hanging wall area of, the Commodore structure. The better lenses, however, occur in the hanging wall zone in areas of structure anomalous to the trend of the fissure zone. The best lens of ore observed occurs in the winze a few feet above the 180-level sill. Here a minor gouge seam flattens away from the main shear zone to act as a dam or structural trap. This lens is 8 to 12 inches thick and has about 10 feet of dip length. Strike length could not be determined, but little ore mineral was observed in the south wall of the incline.

Discussion of sampling

The application refers to ore exposed in the shaft assaying as high as 70 percent lead and 65 ounces silver per ton with mill-grade ore averaging $40.00 per ton or better. Reference is also made to a mill-grade ore shoot on the 90 level which is 6 feet wide and 80 feet long. It is further stated that a footwall crosscut exposes an additional 18 feet of mill-grade ore on the 90 level. These statements are misleading or altogether false. To verify our visual impression of the structure 19 samples were taken during the examination (see attached map for sample locations).

Of the 13 samples taken underground the best, Sample No. 812A, 2 feet wide, assayed Tr. gold, 0.5 ounce silver per ton, 1.3 percent lead and 1.3 percent zinc. Of the 5 samples taken from surface croppings, only one contained an ounce of silver and none contained as much as 1 percent of combined lead and zinc. A sample of the applicant's stockpile of "milling ore" assayed 0.01 ounce gold per ton, 0.5 ounce silver per ton, 0.5 percent lead and 1 percent zinc.

Applicant's proposal

The applicant proposes to extend the incline from the 180 level an additional 300 feet on the shear zone hanging wall and then drift from the 280, 380, and 480 levels to explore more fully the hanging wall zone. Crosscuts to the footwall to expose the full width of the shear zone are proposed.

Evaluation of applicant's proposal

The Commodore structure, although large, does not contain significant amounts of ore minerals; thus there is no point in discussing the applicant's proposal. If there were an ore structure at the property, however, his proposal would be considered development rather than exploration.

Conclusions

The Commodore structure is strong and persistent, but little ore has been found along it. In this regard, it is no different than any number of similar structures explored in the northeast part of the Bailey-Bellevue mineral belt. Furthermore, on the basis of present information there are no worthwhile exploration targets along it. Conceivably, if one drifted far enough or sank deep enough one might find an ore shoot, but, all factors considered, the chances are small and do not merit consideration by the DMEA.

In conclusion, the writers would like to reiterate that the application presents a false picture of the deposit.

Attachment - 1

Distribution:
✓DMEA (4)
USBM (2)
USGS (SRO)
Docket
Quinlan
Alvord

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

No. 157 Howard Street
Spokane 4, Washington

RECEIVED
OCT 7 - 1955

September 30, 1955

Grunwald
Betty

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

3863

Re: Docket No. DMEA-3863
Idaho Alta Metals Corporation
Commodore property
Blaine County, Idaho

Dear Mr. Selfridge:

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By Field Team, Region I, NW District

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

Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosure as above

cc: USGS (2)
USBS (SRO)
Quinlan

Reviewed by
Operating Committee
10/12/55

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
OCT 7 - 1955

September 12, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: D. C. Alvord and J. J. Quinlan, Geologists, U. S. Geological Survey

Subject: Field Examination, Docket No. DMEA-3863 (lead), Idaho Alta Metals Corporation, Commodore property, Blaine County, Idaho

Introduction

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Recommendation

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Distribution:
DMEA (4)
USBM (2)
USGS (SRO)
Docket
Quinlan
Alvord

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
AUG 1 1955

Approved
Betty

July 26, 1955

Mr. E. G. Bowen
Executive Vice President
Idaho Alta Metals Corp.
52 Wall Street, Room 2701
New York, New York

Docket

Re: Docket No. DMEA-3863 (lead)
Commodore Mine
Blaine County, Idaho

Dear Mr. Bowen:

With reference to your telegram of July 22, 1955, this is to advise you that we are scheduling an examination of the Commodore shortly after August 1 and will be glad to talk with you at any time.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, N.W. Dist.

cc: DMEA (2)
USBM (2)
Quinlan

File Copy
Surname

Griswold
Selfridge
Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

JUL - 5 1955

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

Re: Docket No. DMEA-3863 (Lead)
Idaho Alta Metals Corporation
Commodore Mine
Blaine County, Idaho

Dear Mr. Weissenborn:

Referring to the cited application, we are enclosing copies of a memorandum dated June 24 by Mr. J. H. Hedges, USBM. Mr. Thor H. Kiilsgaard, USGS, has already written you regarding it under date of June 22. It appears that a field examination is indicated and we recommend that one be arranged when convenient.

We endorse the various points outlined in Mr. Kiilsgaard's letter; certainly the two contiguous unpatented claims should be included in any contract which might be recommended. Likewise, we should avoid participating in equipment purchases, if it is possible.

For your information, we are also enclosing copies of a letter written by Mr. Kiilsgaard to the Applicant, dated June 23.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

WRGriswold/er 6/29/55

Enclosures

APPROVED:

/s/ Robert W. Geehan (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

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

R.G.S.

File Copy
Surname
Griswold
Kulsgaard
Bishop
Selfridge
Jones

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

JUL - 5 1955

Mr. E. G. Bowen
Executive Vice President
Idaho Alta Metals Corp.
Room 2701, 52 Wall Street
New York, New York

Re: Docket No. DMEA-3863 (Lead)
Idaho Alta Metals Corporation
Commodore Mine
Blaine County, Idaho

Dear Mr. Bowen:

Your application for Government assistance to explore your property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration, and has been referred for a field examination to:

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

The Regional Office will contact you at an early date as to when an examination is to be made. Any assistance that you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

WRGriswold/er 6/29/55

Copy to: Docket
Admr & File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I (2), N.W. Dist.
Chron.

R.C.L.

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

RECEIVED
JUN 24 1955

June 24, 1955

Memorandum

To: W. R. Griswold, Chief, Base Metals Division, DMEA

From: J. H. Hedges

Subject: DMEA 3863 - Lead
Idaho Alta Metals Corporation
Commodore mine

The proposal submitted by the applicants (deepen the shaft 300 feet and drift on the vein at 100 foot intervals) smacks strongly of development.

Claims regarding ore exposures in existing mine openings are unsupported by assay maps or sample data. However, if inspection substantiates these claims, some modified program of exploration may be justified. Perhaps a few drill holes from surface would do the job at relatively small cost.

Refer to the field team for investigation and an examination if they consider it necessary.

J. H. Hedges

J. H. Hedges

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

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J. H. Hedges
J. H. Hedges

C
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Y

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

June 23, 1955

Mr. E. G. Bowen
Room 2701, 52 Wall Street
New York, New York

Dear Mr. Bowen:

Since conferring with you and your attorney on the Commodore mine, I have had time to read the lease and various attached assignments under which your property is held.

You will recall that I discussed with you the fact that a Consent to Lien Agreement, signed by Mrs. Hedrick, will be needed, if a DMEA contract is negotiated. I now note that Stan Johnson, the first lessee, is also to receive a 10 percent royalty. This agreement makes it necessary to require he and his wife to sign a Subordination Agreement, subordinating their interests to those of the Government.

I am enclosing six copies of the Subordination Agreement to be signed by Johnson and wife, and suggest you obtain their signatures and give the instruments to the DMEA Field examiners when they visit your property.

You should also try and obtain a plat of your patented Commodore claim and have it available when the field examiners arrive.

Sincerely,

Thor M. Kiilsgaard

CC: : W. R. Griswold

IN REPLY REFER TO:

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

RECEIVED
JUN 24 1955

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Thor N. Kiilsgaard

CC:: W. R. Griswold

IN REPLY REFER TO:

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

RECEIVED JUN 4

June 22, 1955

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

DMEA-3863

Dear Al:

On June 21 Mr. E. G. Bowen, of the Idaho Alta Metals Corporation, accompanied by an attorney for that company, called at my office to present a DMEA application on the Commodore mine, Blaine County, Idaho. I discussed the application in considerable detail with both men and informed them that I would send one copy of the application to your office and that any further business they might have concerning the application should be conducted with the Field Team.

I have known Mr. Bowen for several years, having met him while working in the Hailey vicinity. Mr. Bowen is an old operator who has been intermittently active in the Hailey region and in other western camps since 1907. In the present instance he appears to have acquired control of the Commodore mine and then to have gone to New York where he has obtained financial backing for mine development. As the company headquarters is in New York and as he knew me personally, he believed he could save time in processing the application by bringing it directly to Washington.

The Commodore mine is an old patented claim which has been inactive so long that it has been all but forgotten but which has been under exploration during the past winter by Bowen's company. This work has consisted of a short adit, a 200 foot winze, and some drifting. Mr. Bowen showed me a crude map of the mine workings but it was in part plan and in part cross section and so illegible as to be useless. I made no attempt to obtain this map from him. Mr. Bowen reports that the vein being explored is a strongly mineralized structure striking northwest and dipping northeast. The vein is reportedly 16 feet wide and, according to Mr. Bowen, there is a parallel vein a short distance to the northeast in the hanging wall. He showed me high-grade specimens of galena which he said were obtained from the mine and two sample reports, one of which assayed 76.3 ozs. of silver and 78.1 percent lead, the other assaying 11.9 silver and 17.5 lead. These were obviously hand picked specimens although Mr. Bowen insisted they were channel samples and that ore of this grade extending across the walls of the winze.

Mr. Bowen plans to explore the property by continuing the present winze 300 feet and by 600 feet of drifts therefrom with 200 feet of drift on each of 3 levels. I explained to him that the drifting on the 300, 400 and 500 levels as he proposed would be more development than exploration and would undoubtedly be modified by the Field Team, that is assuming they might approve a contract. I also instructed Mr. Bowen to obtain consent to lien agreements and gave him blanks for that purpose.

Mr. Bowen did not have a claim map but stated he controlled 2 unpatented claims contiguous to the Commodore. I informed him that he should be able to point out the location of these two claims to the field examiners as DMEA would probably want them assigned to the contract, if one was approved.

It will be noted that Bowen expects the Government to participate in the purchase of some $35,000.00 of operating equipment. I advised Mr. Bowen that while the Government occasionally participates in the purchase of equipment they do so with reluctance and that in the present instance they would prefer the company to own their own equipment but that if any was bought on joint account sufficient money would be withheld from payment to protect any equity the Government might acquire. Mr. Bowen stated that the company tentatively planned on purchasing the equipment regardless of whether they got a contract and I therefore suggested that he discuss this matter thoroughly with the field examiners while they were on the property. If a contract is approved I suggest we stay out of the equipment business as much as possible.

If one believed Mr. Bowen, the Commodore would have to be considered as another Triumph mine. Knowing him from before, however, I am prone to take his statements with a grain of salt. The Commodore is favorably located in that it appears to be an extension of the vein pattern extending from the Minnie Moore and Silver Star-Queens on to the northwest. There are many mines and prospects in this belt; however, few of them have been producers.

I am distributing the other 3 copies of this application to DMEA and have informed Mr. Griswold that this letter is to serve as the Survey commodity review of the application. I recommend that you schedule a field examination for the property and examine it the next time the Field Team has a party in that vicinity. The Operating Committee may also request you to make a field examination although it is hoped this letter will suffice for that purpose.

Sincerely,

Thor H. Kiilsgaard
Staff Assistant for DMEA

CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617 Int.
Wing Agnew

THKiilsgaard:hlm
G-6/22/55

IN REPLY REFER TO:

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

RECEIVED
JUN 24 1955

June 22, 1955

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Executive Officer, DMEA, Region I
South 157 Howard Street
Spokane 4, Washington

DmEA-3863

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Staff Assistant for DMEA

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Branch reading, 4212
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Docket file
O. M. Bishop, 3617 Int.
Wing Agnew

TNKiilsgaard:hlm
G-6/22/55

IN REPLY REFER TO:

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

June 22, 1955

DMEA-3863

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Executive Officer, DMEA, Region I
South 157 Howard Street
Spokane 4, Washington

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O. M. Bishop, 3617 Int.
Wing Agnew

THKiilsgaard:hlm
G-6/22/55

IN REPLY REFER TO:

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

June 22, 1955

Omeh-3863

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

Dear Al:

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I have known Mr. Bowen for several years, having met him while working in the Bailey vicinity. Mr. Bowen is an old operator who has been intermittently active in the Bailey region and in other western camps since 1907. In the present instance he appears to have acquired control of the Commodore mine and then to have gone to New York where he has obtained financial backing for mine development. As the company headquarters is in New York and as he knew me personally, he believed he could save time in processing the application by bringing it directly to Washington.

The Commodore mine is an old patented claim which has been inactive so long that it has been all but forgotten but which has been under exploration during the past winter by Bowen's company. This work has consisted of a short adit, a 800 foot winze, and some drifting. Mr. Bowen showed me a crude map of the mine workings but it was in part plan and in part cross section and so illegible as to be useless. I made no attempt to obtain this map from him. Mr. Bowen reports that the vein being explored is a strongly mineralized structure striking northwest and dipping northeast. The vein is reportedly 16 feet wide and, according to Mr. Bowen, there is a parallel vein a short distance to the northeast in the hanging wall. He showed me high-grade specimens of galena which he said were obtained from the mine and two sample reports, one of which averaged 76.3 ozs. of silver and 78.1 percent lead, the other averaging 11.9 silver and 17.5 lead. These were obviously hand picked specimens although Mr. Bowen insisted they were channel samples and that ore of this grade extending across the walls of the winze.

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Thor K. Kiilsgaard
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Branch reading, 4212
RMEA (3)
Docket file
O. M. Bishop, 3617 Int.
Wing Agnew

TKKiilsgaard:hlm
G-6/22/55

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

June 22, 1955
Subject: DMEA-3863
Re: Exploration Assistance
The Commodore

Idaho Alta Metals Corp.
52 Wall St., Rm. 2701
New York, New York

Gentlemen:

The receipt of your application dated June 21, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3863 and referred to the Base Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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. 3863
Metal or Mineral Lead
Date Received 6/22/55
Estimated Cost $92,152
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: IDAHO ALTA METALS CORPORATION
Room 2701, 52 Wall Street
New York, N. Y.

(*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. Delaware corporation

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

(*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 The Commodore patented mining claim, Survey No. 189, situate in Section 19, Township 2 N.R. 18 E.B.M., Mineral Hill Mining District, Blaine County, Idaho.

(*b*) State any mine name by which the property is known. The Commodore

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee with option to purchase.

(*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. Exhibit B, attached.

(*e*) If you own the land, describe any liens or encumbrances on it

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

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.

(*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.

Exhibit C, attached

RECEIVED
JUN 22 1955

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Lead with additional values in silver

(*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. Exhibit D, attached

(*c*) The work will start within 5 days and be completed within 6 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. Exhibit D, attached

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: Exhibit E

(*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.

(*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.

(*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?

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

Explain in detail on acompanying paper. Exhibit F, attached

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 June 21, 1955

IDAHO ALTA METALS CORPORATION
(Applicant)

By E. G. Brown

Executive Vice President

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

AMERICAN SMELTING AND REFINING COMPANY

120 BROADWAY

NEW YORK 5, N. Y.

R. L. JOURDAN,
MANAGER
ORE DEPARTMENT

June 10, 1955

Dr. Harry Miller
1119 Hamilton Street
Allentown, Pa

Dear Sir:

Please find listed below the results of the ore samples which were sent to us for assay by your brother Mr. Isadore Miller. He has requested that we send the results of our assays to you.

	Ozs. Per Ton		Per Cent	
Sample No.	Gold	Silver	Lead	Copper
1	.08	3.2	.2	22.65
2	3.3	14.7	3.6	65.87
3	.02	5.0	.5	74.81
4	1.08	34.7	.2	24.3
5	.08	76.3	78.1	.8
6	.02	11.9	17.6	.05

All of these samples appeared to be mineralogical specimens. Sample No. 2 was actually too small in size to get a good gold and silver and our report covers the averages of two beads weighed on a 1/10 assay ton.

Yours very truly,

AMERICAN SMELTING AND REFINING COMPANY

Original signed by
A. L. Hatch

A. L. HATCH

ALH/lc
cc: Mr. Isadore Miller
930 Hamilton St.
Allentown, Pa

~~Mr.~~ E. G. Bowen
Room 2701
52 Wall St.

EXHIBIT A

Instruction 1. (c).

IDAHO ALTA METALS CORPORATION

Room 2701, 52 Wall Street, New York, N. Y.

Officers

President	Matthew L. Blair*	305 East 63 Street New York 21, N. Y.
Executive Vice President	E. G. Bowen*	Hailey, Idaho
Vice President	Harry E. Benedict*	52 Wall Street New York, N. Y.
Vice President	E. H. Wardwell	305 East 63 Street New York 21, N. Y.
Secretary & Treasurer	Herbert B. Jones*	120 Broadway New York, N. Y.
Assistant Secretary	Arthur Ensign, Jr.	Hailey, Idaho

* Also Directors.

MINE LEASE AND OPTION AGREEMENT

THIS INDENTURE, Made and entered into this 8th day of May, 1954, by and between LOLA A. HEDRICK, a widow, of Hailey, Blaine County, Idaho, the party of the first part, Lessor, and STANLEY G. JOHNSON, of Hailey, Blaine County, Idaho, the party of the second part, Lessee,

W I T N E S S E T H :

That the said Lessor, for and in consideration of the royalties and payments hereinafter reserved and the covenants and agreements hereinafter expressed and by said Lessee to be kept and performed, has granted, demised and let, and by these presents does grant, demise and let unto the said lessee, the following described patented mine, situate in Mineral Hill Mining District, Blaine County, Idaho, to-wit:

The COMMODORE, Survey No. 189, and situate in Section 19, Township 2 N.R. 18 E.B.M.,

to have and to hold unto the said Lessee for the term of five years from the date hereof, expiring at noon on the 8 day of May, 1959, unless sooner forfeited or determined through the violation of any covenant or covenants against the said Lessee reserved.

And in consideration of such demise, the said Lessees do covenant and agree with the said Lessor as follows, to-wit:

1. To enter upon said mine or premises and work the same mining claims and premises in a minerlike fashion and in a manner necessary to good and economical mining so as to take out the greatest amount of ore possible with due regard to the development and preservation of the same as a workable mine, and to the special covenants hereinafter reserved, it being

agreed that Lessee's operations shall be in the form of pit operations and possibly some tunnelling.

2. To work and mine said premises as aforesaid with not less than $500.00 work per annum and in computation of the said $500.00, the said Lessee shall be entitled to claim wages for his services and depreciation on his equipment with all fuels, powder and other equipment being used.

3. To well and sufficiently timber said mine at all points where proper in accordance with good mining, and to repair all old timbering wherever it may be necessary, and to carry on all mining activity in accordance with the laws of the State of Idaho.

4. To occupy and hold all cross or parallel lodes, spurs, or mineral deposits of any kind which may be discovered by the said Lessee or any person under them in any manner by said Lessee, with the privilege to said Lessee of working the same as parcel of said demised premises.

5. To pay to said Lessor as royalty Ten per cent (10%) of all ores mined, removed, and marketed, based on net value, which term shall mean the gross value of each lot of ore shipped to the smelter, less smelter treatment, assay and sampling charges and less railroad freight from Hailey, Idaho, to smelter; said Ten per cent royalty shall also apply to all ores milled. And in addition thereto, of any premium or bonus payments made to Lessee by or on behalf of any governmental agency under any premium or bonus price plan for lead, zinc, copper or other metal produced from said premises, to the extent that the regulations applicable to such premiums or bonus payments do not prohibit the payment of Lessor of royalties based thereon. Lessee shall ship all ores produced from said premises as "Commodore Lease Ores", and lessor is hereby given a lien upon all ores extracted from the premises during the term of this lease to secure to him any and all sums due or owing by Lessee.

The said smelter shall have copies of this agreement and shall make royalty payments directly to Lessor.

6. To at all times comply with the provisions of the workmen's Compensation Laws of the State of Idaho; and to make and account for all necessary withholding tax, unemployment security, and other laws and regulations of the Federal Government and State of Idaho, regarding the employment by Lessee of individuals.

7. Lessee will post and keep posted in a conspicuous place on said premises necessary notices notifying all persons said premises are held by Lessee under lease, and that Lessee are liable for all labor performed, supplies and material s used, and Lessee (and not Lessor) shall be responsible for all debts and expenses incurred in mining operations, proper copy of said notice to be recorded by Lessee.

8. This lease may be assigned by Lessee upon furnishing copy of assignment to said Lessor.

9. And in consideration of the acceptance of the foregoing lease and the well and faithful keeping of the covenants thereof, the said Lessee or their assigns shall have the right to purchase the said demised premises by payment of the sum of Five Thousand Dollars ($5,000.00)at any time during the term of this lease; and it is expressly understood and agreed that the above referred to royalties to be paid to said Lessor shall apply on said purchase price, and to be deducted therefrom in the event that the said Lessees or their assigns should exercise this option, and upon the tender of such payment, the Lessor will make, execute, acknowledge, and deliver, at his own cost and charges, good and sufficient deed or deeds to be delivered to the Lessee or his assigns, conveying the said premises free and clear of incumbrances. The forfeiture, surrender or termination

of the above lease for any cause shall render this option void, and the above mentioned payment or payments may not thereafter be tendered.

During the life of this agreement the Lessee shall pay all state and county taxes lawfully levied or assessed against said claim and improvements, machinery, and other property placed upon said mining claims by him, or upon any operations carried on hereunder, including all severance or operations taxes assessed against said premises or products of such operation.

In the event the Lessee shall fail to keep, observe and perform each and all of the terms and conditions hereof on their part, as and when required by this agreement, the Lessor may give the Lessee thirty (30) days written notice of his intention to declare a forfeiture hereof, stating in such notice the alleged grounds of forfeiture; and if the Lessee shall fail to cure and correct any defaults of which they may then be guilty, within thirty (30) day safter service of such then this option and lease shall become null and void at the expiration of said period; but if they shall remedy all such defaults within said time, then this contract shall continue in full force and effect as though such notice had not been given.

Further, Lessee, at termination of the foregoing lease, by lapse of time or otherwise agree to peacefully surrender possession to Lessor, and to deliver said premises in good condition, together with all permanent improvements affixed thereto, including all rails, airpipe, ties, any other items affixed to premises.

That Lessee is independent contractor, and there is no privity of interest between him and Lessor, and that he is in full and complete control of said premises and all parties employed thereon.

Lessor, however, shall have right by herself, or her

employees or agents, to at all times inspect all workings, and be present at any sampling or otherwise inspect for purpose of seeing there is full compliance with all terms of this agreement, all at her own expenses, however,

Each and every clause and covenant of this indenture shall extend to the heirs, executors, administrators, and lawful assigns of all parties hereto,

IN WITNESS WHEREOF, the said parties have hereunto set their hands the day and year first appearing in this instrument.

Lola A. Hedrick
LESSOR

Stanley G. Johnson
LESSEE

STATE OF IDAHO, }
County of Blaine. } SS.

On this 8th day of May, 1954, before me, the undersigned, a Notary Public, in and for said State, personally appeared LOLA A. HEDRICK, known to me to be the person whose name is subscribed to the withininstrument, and acknowledged to me that she executed the same.

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

Joseph M. Hadley
Notary Public for Idaho.
Residing at Hailey, Idaho.

STATE OF IDAHO,
County of Blaine. } SS.

On this 10th day of May, 1954, before me, the undersigned, a Notary Public, in and for said State, personally appeared STANLEY G. JOHNSON, 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 official seal on the day and year in this certificate above written.

Joseph M. Walker
Notary Public for Idaho.
Residing at Hailey, Idaho.

KNOW ALL MEN BY THESE PRESENTS, that we, Stanley G. Johnson and Estella D. Johnson, husband and wife, of Hailey, Idaho, in consideration of the sum of _____ Ten ($10.00)--- _____ Dollars, lawful money of the United States, and other good and valuable consideration, to us paid, the receipt and adequacy whereof is hereby acknowledged, do hereby sell, assign, transfer and quit claim to E. G. Bowen of Hailey, Idaho, a contract for the lease and option to buy a certain patented mine, situate in the Mineral Hill Mining District, Blaine County, Idaho, to-wit:

> The Commodore, Survey No. 189, and situate in Section 19, Township 2 N., R. 18 E, B. M.

which contract was made and executed by Lola A. Hedrick, a widow, the lessor, and Stanley G. Johnson, the lessee, and bears the date May 8, 1954, to have and to hold the same unto the said E. G. Bowen, his heirs, successors and assigns, for his or their use and benefit forever, subject, nevertheless, to the conditions and covenants therein mentioned, all of which covenants and conditions are assumed by the said E. G. Bowen, or his heirs, successors or assigns.

This assignment is further conditioned upon the following:

I.

The said assignee, his heirs, successors or assigns, shall do Five Thousand Dollars ($5,000.00) worth of work on the above mentioned claim each year, during the life of the lease and option.

II.

If the said assignee, his heirs, successors and assigns, shall exercise the option to purchase the above mentioned mining claims, the said assignee, his heirs, successors or assigns, shall pay to the assignor herein the sum of Fifteen Thousand Dollars ($15,000.00) lawful money of the United States.

III.

The assignee, his heirs, successors or assigns, shall pay to the assignor as royalty 10% of all ores mined, removed and marketed based on net value, upon the same terms and conditions as the royalty provided for in paragraph 5 of the assigned lease; this royalty payment shall be additional to the royalty paid to the original lessor which shall be paid by the assignee, his heirs, successors or assigns, directly to said lessor. All payments made to assignor under this paragraph shall apply upon the purchase price in the event the option is exercised.

And we hereby authorize and empower the said E. G. Bowen, his heirs, successors or assigns, upon his or their performance of the said covenants and conditions, to demand and receive all of the rights and privileges given in said contract in the same manner to all intents and purposes as we ourselves might do or could do were these presents not executed.

IN WITNESS WHEREOF, We have hereunto set our hands and seals this 12th day of November, 1954.

Stanley L. [illegible]

[illegible]

STATE OF IDAHO,)
County of Blaine.) ss.

On this 18th day of November, 1954, before me, the undersigned, a Notary Public in and for said State, personally appeared Stanley G. Johnson and Estella D. Johnson 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.

Notary Public for Idaho
Residing at Sun Valley, Idaho

Accepted by:

E. G. Bowen

KNOW ALL MEN BY THESE PRESENTS, that I, E. G. Bowen of Hailey, Idaho, in consideration of the sum of Ten Dollars ($10.00), lawful money of the United States, and other good and valuable consideration, to me paid, the receipt and adequacy whereof is hereby acknowledged, do hereby sell, assign, transfer and quit claim to the Wood River Syndicate a contract for the lease and option of a certain patented lode mining claim situated in the Mineral Hill Mining District, Blaine County, Idaho, to-wit: Commodore, Survey No. 189, situate in Section 19, Tnp. 2 N, R 18 E, B.M., which contract was made and executed by Lola A. Hedrick, a widow, the lessor, and Stanley G. Johnson, the lessee, and bears the date May 8, 1954, and which contract was heretofore on the 18th day of November, 1954, assigned to the said E. G. Bowen, to have and to hold the same unto the said Wood River Syndicate, its successors and assigns, for its and their use and benefit forever, subject, nevertheless, to the covenants and conditions therein mentioned, and the further covenants and conditions of the aforesaid assignment dated 18 November, 1954, from Stanley G. Johnson and Estessa D. Johnson to the said E. G. Bowen.

And I hereby authorize and empower the said Wood River Syndicate, its successors and assigns, upon its and their performance of the said covenants and conditions to demand and receive all of the rights and privileges given in said contract in the same manner to all intents and purposes as I myself might or could do were these presents not executed.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 22nd day of November, 1954.

E. G. Bowen

SUBSCRIBED AND SWORN TO before me this 22nd day of November, 1954.

C. M. Breeland
Notary Public for Idaho
Residing at Sun Valley, Idaho

KNOW ALL MEN BY THESE PRESENTS, that Wood River Syndicate, acting by E. G. Bowen, its attorney in fact, of Hailey, Idaho, in consideration of the sum of Ten Dollars ($10.00), lawful money of the United States, and other good and valuable consideration, to it paid, the receipt and adequacy whereof is hereby acknowledged, does hereby sell, assign, transfer and quit claim to Idaho Alta Metals Corporation, a Delaware corporation, a contract for the lease and option to buy a certain patented mine, situate in the Mineral Hill Mining District, Blaine County, Idaho, to-wit:

The Commodore, Survey No. 189,
and situate in Section 19, Township 2 N.,
R. 18 E, B. M.

which contract was made and executed by Lola A. Hedrick, a widow, the lessor, and Stanley G. Johnson, the lessee, and bears the date May 8, 1954, and which was assigned to said E. G. Bowen by said Stanley G. Johnson and his wife, Estella D. Johnson, under date of November 18, 1954, and further assigned by said E. G. Bowen to Wood River Syndicate under date of NOVEMBER 22, 1954, to have and to hold the same unto the said Idaho Alta Metals Corporation, its successors and assigns, for its or their use and benefit forever, subject, nevertheless, to the conditions and covenants therein mentioned, all of which covenants and conditions are assumed by the said Idaho Alta Metals Corporation, its successors or assigns.

This assignment is further conditioned upon the following:

I.

The said assignee, its successors or assigns, shall do Five Thousand Dollars ($5,000.00) worth of work on the above mentioned claim each year, during the life of the lease and option.

II.

If the said assignee, its successors and assigns, shall exercise the option to purchase the above mentioned mining claims, the said assignee, its successors or assigns, shall pay to the assignor herein, the sum of Fifteen Thousand Dollars ($15,000.00), lawful money of the United States.

III.

The assignee, its successors or assigns, shall pay to the assignor as royalty 10% of all ores mined, removed and marketed based on net value, upon the same terms and conditions as the royalty provided for in paragraph 5 of the assigned lease; this royalty payment shall be additional to the royalty paid to the original lessor which shall be paid by the assignee, his heirs, successors or assigns, directly to said lessor. All payments made to assignor under this paragraph shall apply upon the purchase price in the event the option is exercised.

And we hereby authorize and empower the said Idaho Alta Metals Corporation, its successors or assigns, upon its or their performance of the said covenants and conditions, to demand and receive all of the rights and privileges given in said contract in the same manner to all intents and purposes as the assignor might do or could

do were these presents not executed.

IN WITNESS WHEREOF, the assignor has caused these presents to be executed this 18th day of February, 1955.

WOOD RIVER SYNDICATE

By E. G. Bowen
E. G. Bowen
Attorney in Fact

STATE OF NEW YORK)
: ss.:
COUNTY OF NEW YORK)

On this 18 day of February, 1955, before me, the undersigned, a Notary Public in and for said State, personally appeared E. G. Bowen 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.

Elizabeth M. Jordan

ELIZABETH M. JORDAN
Notary Public, State of New York
No. 43-7122300
Qualified in Kings and County
Certificate filed with N. Y. Co. Clk.
Commission expires March 30, 1956

Accepted by:

IDAHO ALTA METALS CORPORATION

By Herbert A. Jones
Treas.

No. 105 614

Mine Lease and Option
Agreement

Lola A. Hedrick

To

Stanley G. Johnson

STATE OF IDAHO, }
COUNTY OF BLAINE } ss
I HEREBY CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN MY OFFICE AT THE REQUEST OF
G. R. Kneeland
AT 2:30 O'CLOCK P. M.
February 23, 1955
RECORDED IN BOOK 3 OF PAGE 19 OF Leases
George F. McCoy
EX-OFFICIO RECORDER
BY Goedie Rayborn
DEPUTY
FEES $ 7.00 Paid

ENTERED ✓ ENTERED ON INDEX ○
RECORDED ✓ INDEXED 1st PARTY ✓
COMPARED ✓ INDEXED 2nd PARTY ✓

EXHIBIT C

Instruction 4

IDAHO ALTA METALS CORPORATION

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4. (a) When the present operators took over this claim, they exposed a vein approximately 30 feet in width by bull-dozer work. Rich silver-lead ore was found in a 6 foot section of this vein. A short adit was driven 40 feet into the hill, and a shaft has been sunk at an angle of about 68° approximately 200 feet in depth on this portion of the vein. Ore has been exposed throughout the shaft, to a width of 20 feet, some samples running 70% or better in lead and 65 ounces of silver to the ton, while the mill grade has run generally $40 per ton or better at current prices. A drift on the vein from the 100 foot level of the shaft has exposed 6 feet of good mill ore for a distance of 80 feet, and a foot wall cross cut has exposed an additional 18 feet of mill ore.

These workings are accessible and open for examination.

(b) Approximately 60 years ago the property had a production of about $100,000 from shallow surface workings. There is no production at the present time, but it is planned to commence production as soon as the development work has progressed to a point which will insure continuous

efficient production of shipping grades of ore.

(c) This is a virgin claim, mapped in U.S.G.S. Bulletin 814. It is part of a vein system which over a period of 80 years has produced approximately $20,000,000 in value of rich silver-lead ores to a depth of 3,000 feet. These ore bodies have been solid, running generally from 3 to 30 feet in width and up to 1,000 feet in length. The shipping grades in 10,000 ton lots has varied from 50% to 70% lead and from 50 ounces to 150 ounces of silver per ton.

The ore occurs in sedimentary rocks, known as the "Milligan Formation". These rocks, with a known thickness of 7,000 feet, overlay the basic igneous rocks of the Central Idaho batholith. These igneous rocks, with their surface exposures, are probably the ore magmas. The ore sources are deep seated in origin. The present manager has seen rich ore 10 to 15 feet in width at 3,000 feet on the dip of one of the veins which has been explored.

The area has produced $100,000,000 of ore, and many experts feel that it is probably only 5% explored. It is the belief of the management of applicant that the Commodore will prove to be an important part of this rich vein system.

IDAHO ALTA METALS CORPORATION

Room 2701, 52 Wall Street, New York, N. Y.

(d) The property is located on a good road 2 miles westerly of Hailey, Idaho. The Union Pacific Railroad serves Hailey with direct lines to smelters at Salt Lake City, Utah. Mining suppliers are available at Hailey, where local labor is plentiful, the men driving to and from the mine from their houses.

(e) Labor, material and supplies are available in Hailey. Equipment is purchased from dealers in Salt Lake City. Croy Creek, a few hundred yards from the mine workings, supplies ample water. Electric power is available from a trunk line 1/8 of a mile from the mine.

EXHIBIT D

Instruction 5. (b) and (d)

IDAHO ALTA METALS CORPORATION

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5. (b) It is proposed to sink the new shaft on the vein from the present 200 foot level to 500 feet. It will then be necessary to drift on this vein to open up ore from the 300, 400, and 500 foot levels. From each of these levels cross cuts will be run to the foot wall to expose the full width of the vein and the ore body. Drifts will be carried from 6 to 7 feet in width on the hanging wall segment of the vein. A drift is now being extended at the 200 foot level on good ore and under the ore exposed in the 100 foot level drift.

(d) E. G. Bowen, Executive Vice President and Manager of the applicant, will personally supervise the project. He has been mining for 47 years, during the last 35 years of which he has been in complete charge of various mines over the greater part of western America. He has successfully developed seven mines from the prospect stage to the profitable stage. He has an intimate knowledge dating back 35 years of this Mineral Hill Mining District.

EXHIBIT E

Instruction 6.

IDAHO ALTA METALS CORPORATION

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6. (a) Independent Contracts. (Labor will be contracted. Applicant will supply other items.)

300 ft. shaft sinking @ $60 p/ft.	$18,000.00
200 ft. drifting at 300 ft. level @ $32 p/ft.	6,400.00
200 ft. drifting at 400 ft. level @ $32 p/ft.	6,400.00
200 ft. drifting at 500 ft. level @ $32 p/ft.	6,400.00
20% of the above for contingencies	7,440.00
	$44,640.00

(b) Labor, supervision, consultants.

2 hoist men @ $783 per mo.	$4,698.00
1 foreman @ $450 per mo.	2,700.00
Manager-Geologist to supervise operations	None
Labor to service equipment.	900.00
	$8,298.00

IDAHO ALTA METALS CORPORATION

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(c) Operating materials and supplies.

Axes and saws	$ 50.00
Picks and shovels	250.00
Drill steel	600.00
Drill bits	450.00
Dynamite	750.00
Blasting caps	200.00
Mine lighting	60.00
Lubricating Oils	75.00
Spare parts	300.00
Electric power service	1,350.00
	$4,085.00

(d) Operating equipment.

3,500 cu. ft. p.m. Air Compressor - completely installed and housed	$11,739.00
2 Leyner drills	2,690.00
1 stoper drill	750.00
Ore bin	6,500.00
Fresh water supply from Croy Creek - storage tank and pump	1,150.00
Extend electric power line from trunk to property approximately 1/8 mi. Transformer and master meter	3,500.00
Deposit on power service	1,000.00
2nd hand hoist local source	7,500.00
Bit grinder	300.00
	$35,129.00

IDAHO ALTA METALS CORPORATION

Room 2701, 52 Wall Street, New York, N. Y.

(e) None - present equipment in operating condition.

(f) None other than those listed in (d) above.

(g) Included in allowance for contingencies in (a) above.

(h) Included in (a) above.

Total costs listed above $92,152.00

EXHIBIT F

Instruction 7. (b)

IDAHO ALTA METALS CORPORATION

Room 2701, 52 Wall Street, New York, N. Y.

7. (b) Equipment owned or leased by applicant and located at the mine will be used in the development work. Money representing applicant's share of the costs in excess of the value of the use of applicant's present equipment will be furnished from applicant's Treasury and will consist of cash on hand, proceeds from future sales of applicant's securities, and earnings from production at the mine.