DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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CONTROLLED DOCUMENT

DMA Docket No. 3957

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Cys to USBM AND USGS

This document has been recorded as

Exploration

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Routing Slip

To:	Base Metals Div	Date	8-30-55
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Surname
Griswold
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Selfridge

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

NOV - 3 1955

Mr. Jay Roy Jones
Court House
Newport, Washington

Re: Docket No. DMEA-3957 (Lead-Zinc)
Edwin O. Dressel, Jr., and
Jay Roy Jones, Partnership
Oriole Property
Pend Oreille County, Washington

Dear Mr. Jones:

Your application for aid for an exploration project and other reports available to us in Washington concerning the subject mine 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 small lenses of low grade ore 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

ACTING Administrator

WRGriswold/er 11/1/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron.

R.E.G.

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

November 1, 1955

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application on Docket No. DMEA-3957, Edwin O. Dressel, Jr., and Jay Roy Jones, Partnership, Oriole Property, Pend Oreille County, Washington

An application, dated November 17, 1952, was originally presented for this Oriole mine. The application was made by Arthur F. Betchart and E. O. Dressel, Jr., under Docket No. DMEA-2779.

On February 20, 1953, the Administrator wrote a letter of denial.

We now have an application on the same mine by Edwin A. Dressel, Jr., and Jay Roy Jones. While some additional work has been done, the over-all picture yet remains the same. The ores occur as short lenses of low-grade ore (approximate grade .02 gold, 5 oz. silver and 5% combined Pb - Zn.). A small 30-40 ton mill was build at the property in 1953 and a few hundred tons of ore were milled.

A typical stope has a length along strike of about ten feet. Ore widths are reported as being from 4 to 15 inches.

There seems to be no indication that further work could expose anything of significance and we concur in the recommendation for denial

W. R. Griswold

W. R. Griswold

File Copy
Surname

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

500

November 1, 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.

October 31, 1955

Re: DMEA-3957 (Pb-Zn; $21,080)
Edwin O. Dressel, Jr.
Jay Roy Jones
Oriole Property
Metaline Falls Mining District
Pend Oreille County, Wash.

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, U. S. Bureau of Mines

Subject: Review of Field Examination Report and Field Team Recommendation dated September 30, 1955, and received October 7, 1955

The field examination by J. J. Quinlan (USGS) shows that subsequent to the denial of his previous application (DMEA-2779), the applicant unwatered the winze connecting the No. 2 Adit level with the No. 3 level and gained access to the face of the No. 3 level where he had previously proposed exploration. The narrow exposure of mineralized rock was insufficiently attractive to hold the applicant's attentention, however, and he proceeded to mine some 400 tons of approximately 5 percent combined lead and zinc ore from minor showing in the upper level crosscut. The low grade of this ore in combination with the limited dimensions of the lens, of necessity, made the operation uneconomic. Quinlan concludes that other minor oreshoots might be discovered along the fault structure, but that such shoots would be too small and lean to constitute a significant discovery. He, therefore, opposes the proposed 3,500 feet of diamond drilling.

I concur with this conclusion and recommend denial of the application.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kilsgaard, Room 5222
O.M. Bishop
Files

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

October 31, 1955

Re: DMEA-3957 (Pb-Zn; $21,080)
Edwin O. Dressel, Jr.
Jay Roy Jones
Oriole Property
Metaline Falls Mining District
Pend Oreille County, Wash.

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O. M. Bishop

Copy to - Division of Minerals
Mr. Kilsgaard, Room 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
Griswold

October 12, 1955

Re: DMEA 3957
Edwin O. Dressel, Jr.
Oriole property
Pend Oreille Co., Wash.
$21,080 - Lead, Zinc

Memorandum

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

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

Subject: Review of Field Team report.

This little mine was the subject of an application in 1952 (DMEA 2779). The application was denied.

Since then underground work has been done and some ore mined and milled.

The examiner concludes that little change in the outlook has been wrought and the recommendation of 1952 is still applicable.

I concur with the recommendation of the Field Team that this application also 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 3957
Edwin O. Dressel, Jr.
Oriole property
Pend Oreille Co., Wash.
$21,080 - Lead, Zinc

Memorandum

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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-3957 (lead-zinc)
Edwin O. Dressel, Jr., and Jay Roy Jones
Oriole property
Pend Oreille County, Washington

Dear Mr. Selfridge:

Enclosed is a memorandum by J. J. Quinlan, U. S. Geological Survey, recommending denial of a second application on the Oriole property. The first application was presented to us in late 1952 and was denied in February of 1953.

Since that time, some additional work has been done on the property. This consists mostly of driving a raise and related working on an ore showing in the 4-X crosscut, and from which about 400 tons of ore was mined and milled. In addition, about 400 tons of ore broken by past operators was milled.

It was estimated that the grade of ore milled from the stope averages somewhere around 5 ounces of silver per ton and perhaps 5 percent combined lead and zinc. Because the ore-bearing structure is narrow and short, it is not believed that ore of this grade is of any interest. Quinlan concludes that work completed since the Oriole property was examined in 1952 has in no way changed the outlook as to the economic potential of the property. There appears to be little chance of finding a significant amount of ore on the property and, therefore, he recommends that the new application be denied. The Field Team concurs with this conclusion.

Enclosure as above
cc: USBM (2) w/encl.
USGS (SRO) Quinlan

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

By Field Team, Region I, NW District

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

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

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 26, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: J. J. Quinlan, Geologist, U. S. Geological Survey

Subject: Field examination report, Docket No. DMEA-3957 (lead-zinc), Edwin O. Dressel, Jr., and Jay Roy Jones, Oriole property, Pend Oreille County, Washington.

A. B. Gibbons, U. S. Geological Survey, and I examined the property September 20, 1955. Mr. Wallace Frick, a mining engineer regularly employed by the American Zinc Company and hired as a consultant by the applicants, assisted during the examination.

This is the second application filed on the Oriole property; the first, Docket No. DMEA-2779 (lead-zinc), was filed by Arthur F. Betchart and Edwin O. Dressel, Jr. The first application was denied February 20, 1953, because there appeared to be little chance of finding a significant amount of ore on the property.

Messrs. Kirkemo's and Nickelson's memorandum of December 28, 1952, evaluating the first application is very complete and contains an excellent set of geologic maps. This memorandum is, therefore, intended to supplement Kirkemo's and Nickelson's memorandum. Work completed since Kirkemo and Nickelson examined the property has not changed the geologic picture (see accompanying map of new workings) or altered the conclusion that there appears to be little chance of finding a significant amount of ore.

The first application, by Betchart and Dressel, requested DMEA assistance in unwatering and rehabilitating the winze from the No. 2 adit level to the No. 3 level, rehabilitating the No. 3 level, and drifting 100 feet on the No. 3 level to test for the downward projection of a small ore body exposed in the 4-x crosscut on the No. 2 adit level (see maps accompanying Kirkemo's and Nickelson's memorandum). Shortly after this application was denied the applicants unwatered the winze and gained access to the No. 3 level but no work was done on the level. Mr. Dressel

Reviewed by
PROGRAM OPERATIONS COMMITTEE
10-12-55
(Date)

reports that the pump broke down shortly after the level had been reopened so it had to be abandoned. No geologic map of the level was made nor were the workings sampled. Dressel reports seeing a narrow high-grade vein on the lower level, but it is evident that it could have been of little interest or the level would have been reopened.

Since the property was last examined a raise has been driven on the small ore showing in the 4-x crosscut (see sketch map attached to the memorandum and the maps accompanying Kirkemo's and Nickelson's memorandum). The raise with attendant stope follows up the plunge (N. 20°-45° W.) of a small ore lense for about 95 feet. The lense occurs along the footwall strand of the fault which localized the ore at the property. In the raise the fault strikes N. 65°-70° W. and dips 35°-55° NE., the steeper dip being near the bottom of the raise. The ore has been mined from the raise and for the most part all that can now be seen is a shear 4 to 15 inches wide with some limonitic staining and in places quartz and some sulfides. The length of the lense along the strike of the fault must have been about 10 feet. Twenty-eight to thirty-eight feet vertically above the No. 2 adit level sill a dog hole type working extends into the hanging wall of the fault. At this place 5 to 12 inches of quartz with some sulfide can be seen on the hanging wall strand of the fault. No records were kept on the tonnage and grade of ore from this raise. The applicant estimates, however, that about 400 tons of ore were obtained from it. The grade of the ore was perhaps 5 ounces of silver and 5 percent combined lead and zinc. This is discussed in more detail in the next paragraph dealing with the milling of ore.

A 30- to 40-ton mill, designed to produce both a lead and zinc concentrate, was built at the property in 1953. The lead is concentrated by tabling and the zinc by flotation methods. The mill operated for a brief period in 1953 and 1954, but no detailed records were kept of the milling operation. In all, the applicants estimated that about 850 tons of ore were milled; 400 tons from the "4-x crosscut" raise, and 450 tons of ore broken by past operators. Smelter returns show that 19.5 tons of lead and 49 tons of zinc concentrates were marketed. The lead concentrates contained 33 ounces of gold, 1,194 ounces of silver, 9.645 tons of lead, and 1.592 tons of zinc. The zinc concentrates contained 9 ounces of gold, 2,331 ounces of silver, 6.892 tons of lead, and 21.544 tons of zinc. Assuming that the applicants' tonnage estimate is correct but not allowing for a milling loss this would indicate an average mill head of about 0.05 ounce gold per ton, 3.2 ounces per ton silver, 1.9 percent lead, and 2.7 percent zinc. The only guide to the grade of the ore from the two sources are four grab samples taken by Kirkemo and Nickelson of broken ore and rock in stopes (see page 5 of Kirkemo's and Nickelson's memorandum). These four samples averaged 0.025 ounce of gold per ton, 3.25 ounces of silver, 1.5 percent lead, and 2.5 percent zinc. Assuming that this grade is representative of the ore broken and left by past operators, the grade of ore from the stope would be about 5 ounces of silver per ton and 5 percent combined lead and zinc. I realize that because of the many assumptions that have to be made in arriving at this

estimate, it may be in considerable error. It does, however, provide some guide to the grade of ore from the two sources.

The applicants propose to do 3,500 feet of diamond drilling at a cost of $21,080. The applicants propose to furnish their share of the costs by the use of equipment and rental of their compressor and mill equipment to others. As the exploration did not seem warranted, the matter of how the applicants were to furnish their share of the costs was not discussed.

It is of interest to note that a part of the No. 2 adit level appears to be in the hanging wall of the vein. It would be an easy matter, however, to test the fault for other small ore lenses in this area by long-hole drilling. The cost of such a project would be small and not worth the administrative cost to DMEA nor are the targets of such a size to be of sufficient interest to DMEA.

Work completed since the Oriole property was examined by Kirkemo and Nickelson has in no way changed the outlook as to the economic potential of the property. There appears to be little chance of finding a significant amount of ore on the property and, therefore, it is recommended that the new application be denied.

Distribution:
DMEA (orig. & 3)
USBM (2)
USGS (SRO)
Docket
Quinlan

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

Griswold
Betty

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

Re: Docket No. DMEA-3957 (lead-zinc)
Edwin O. Dressel, Jr., and Jay
Roy Jones
Oriole property
Pend Oreille County, Washington

Dear Mr. Selfridge:

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cc: USBM (2) w/encl.
USGS (SRC) Quinlan

By Field Team, Region I, NW District

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

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

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 26, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: J. J. Quinlan, Geologist, U. S. Geological Survey

Subject: Field examination report, Docket No. DMEA-3957 (lead-zinc), Edwin O. Dressel, Jr., and Jay Roy Jones, Oriole property, Pend Oreille County, Washington.

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Distribution:
DMEA (orig. & 3)
USBM (2)
USGS (SRC)
Lockat
Quinlan

File Copy
Surname
Brown
Selfridge
Ferguson

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

SEP 20 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-3957 (Lead-Zinc)
Edwin O. Dressel, Jr., and
Jay Roy Jones, Partnership
Oriole Mine
Pend Oreille County, Washington

Dear Mr. Weissenborn:

With reference to the cited application, we are enclosing the memorandums of Mr. O. M. Bishop, USBM, dated September 1 and Mr. N. E. Nelson, USGS, dated September 13.

We note in your letter of August 19 that you are scheduling a new examination.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (WB)

Enclosures

WRGriswold/er 9/16/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

APPROVED:

P. F. Yopes (WB)
Member, Bureau of Mines

/s/ N. E. Nelson (WB)
Member, Geological Survey

RGS

File Copy
Surname

Transmit
yes
Selfridge
Nelson
Johnson

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

SEP 20 1955

Mr. Jay Roy Jones
Court House
Newport, Washington

Re: Docket No. DMEA-3957 (Lead-Zinc)
Edwin O. Dressel, Jr, and
Jay Roy Jones, Partnership
Oriole Mine
Pend Oreille County, Washington

Dear Mr. Jones:

The application made by yourself and Edwin O. Dressel, Jr. to explore the Oriole Mine 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 (for)

Administrator

WRGriswold/er 9/16/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, (2), NW Dist.
Chron

R.C.S.

IN REPLY REFER TO:

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

RECEIVED
SEP 14 1955

September 13, 1955 Griswold

Re: DMEA 3957
Edwin O. Dressel
Jay Roy Jones
Oriole Mine
Pend Oreille Co., Wash.
$21,080.00 - Lead, Zinc

Memorandum

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

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

Subject: Review of application.

The Field Team suspects work at this property may have changed the outlook since 1952 at which time an application, DMEA-2779, was denied.

I concur with the conclusions of the Field Team and the opinion that an examination is warranted.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
SEP 14 1955

September 13, 1955

Re: DMEA 3957
Edwin G. Dressel
Jay Roy Jones
Orinla Mine
Pend Oreille Co., Wash.
$21,000.00 - Lead, Zinc

Memorandum

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

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

Subject: Review of application.

The Field Team suggests work at this property may have changed the outlook since 1952 at which time an application, DMEA-2779, was denied.

I concur with the conclusions of the Field Team and the opinion that an examination is warranted.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-9/13/55

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

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

RECEIVED
SEP - 1 1955

September 1, 1955

Griswold

Re: DMEA-3957
(Lead-Zinc,
$21,080)
Edwin O. Dressel, &
Jay Ray Jones
Oriole Mine
Pend Oreille County,
Washington

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Review of application of August 29, 1955

The Oriole Mine was the site of proposed exploration under Docket No. DMEA-2779 which was denied in 1952, on the grounds that the geologic evidence available did not indicate the likelihood of a significant oreshoot between the No. 2 and No. 3 levels where it was proposed to explore.

The present application, unlike the earlier one, is limited to diamond drilling. The applicant claims that work done since 1953 in area No. 1 gives evidence that the "vein" is offset. He suggests 3,500 feet of Ex diamond drilling, the exact location, direction and angle of the holes to be worked out in cooperation with DMEA field examiners.

I note that the Region I field team has scheduled an examination of the property. I concur in this procedure for the merit of the proposal cannot be determined from the application and its supporting data.

O. M. Bishop

O. M. Bishop
P.F

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

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

RECEIVED
SEP - 1 1955

September 1, 1955

Re: DMEA-3957
(Lead-Zinc,
$21,080)
Edwin O. Dressel, &
Jay Ray Jones
Oriole Mine
Pend Oreille County,
Washington

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Review of application of August 29, 1955

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I note that the Region I field team has scheduled an examination of the property. I concur in this procedure for the merit of the proposal cannot be determined from the application and its supporting data.

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Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
AUG 29 1955

3957

August 25, 1955

Mr. Jay Roy Jones
Court House
Newport, Washington

Re: Application for Aid
Oriole Mine
Pend Oreille County, Washington

Dear Mr. Jones:

Reference is made to your letter of August 8, 1955, transmitting your application for aid on the Oriole mine located in Pend Oreille County, Washington.

Since you have the property under lease, it will be necessary to complete the enclosed consent to lien forms. Enclosed are seven copies of this form, six of which should be returned to this office at your earliest convenience.

Sincerely yours,

James J. Quinlan
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Enclosures (7)

cc: DMEA (2)
[illegible] (2)
Geologist

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

RECEIVED
AUG 29 1955

August 19, 1955

AUG 25 1955

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

Re: Application for Aid
Edwin O. Dressel, Jr., and
Jay Roy Jones, Partnership
d.b.a. Oriole Mine
Pend Oreille County, Washington

Dear Mr. Selfridge:

Enclosed are three copies of an application for aid to explore the Oriole mine, Pend Oreille County, Washington. A previous application (Docket No. DMEA-2779--lead-zinc-silver) on this property was denied in 1952. There is a possibility that the applicant has done work since 1952 that would justify exploration at this time, and a new examination will be scheduled.

Consent to lien forms will be sent to the applicant.

Sincerely yours,

James J. Quinlan

James J. Quinlan
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Enclosures

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

August 19, 1955

AUG 25 1955

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

Re: Application for Aid
Edwin O. Dressel, Jr., and
Jay Roy James, Partnership
d.b.a. Oriole Mine
Pend Oreille County, Washington

Dear Mr. Selfridge:

Enclosed are three copies of an application for aid to explore the Oriole mine, Pend Oreille County, Washington. A previous application (Docket No. DMEA-2779--lead-zinc-silver) on this property was denied in 1952. There is a possibility that the applicant has done work since 1952 that would justify exploration at this time, and a new examination will be scheduled.

Consent to lien forms will be sent to the applicant.

Sincerely yours,

James J. Quinlan
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Enclosures

cc: [illegible] (2)
~~Quinlan~~
Hellum

August 30, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region I (NW)

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region I (NW).

DMEA-3957 Oriole Mine, Partnership, Edwin O. Dressel and Jay Roy Jones

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

Subject: Exploration
Re: Oriole Mine

August 30, 1955

Oriole Mine- Partnership,
Edwin O. Dressel, Jr. and
Jay Roy Jones
Metaline Falls, Washington

The receipt of your application dated August 8, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3957 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

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form A[illegible]
Budget Bureau No. [illegible]035.2.

RECEIVED
AUG 29 1955

RECEIVED
AUG 10 1955
U.S. G. S.
SPOKANE, WASH.

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. 3957
Metal or Mineral Lead-Zinc
Date Received Aug 29 1955
Estimated Cost 21,080.00
Participation (Government %) 50

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: Oriole Mine-Partnership-Metaline Falls, Washington
Edwin O. Dressel, Jr.-Metaline Falls, Washington
Jay Roy Jones-Newport, Washington

(*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

(*b*) State any mine name by which the property is known. Known generally as the "Oriole Mine".

(*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. Enclosed herewith.

(*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. Attached herewith is 1955 Proof of Labor

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.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Lead + 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 30 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.

(*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?

☐ Money ☒ 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 Aug 8, 1955

"Oriole Mine"
Partnership Edwin O. Dressel, Jr., Jay Roy Jones
(Applicant)

By Jay Roy Jones

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

Supplemental Sheets to MF-103 (Oriole Mine)

RECEIVED
AUG 29 1955

Item 3 A

All of those mining claims in the Metaline Falls Mining District, Pend Oreille County, Washington, named respectively as: "Oriole Lode Claim"; "Red Cloud Lode Claim"; "Silver Queen Lode Claim"; "Daisy Lode Claim"; "Oriole Annex Lode Claim"; "Eastern Star No. 1 Lode Claim"; "Eastern Star No. 2 Lode Claim"; "Protectors No. 1, 2, 4, 6"; all located contiguously in Sections 19, 20, 29, and 30, Township 39 North, Range 43, E.W.M., together with all mines, minerals, lodes and veins within the lines of said claims and their dips and spurs and all appurtenances belonging to the same.

Item 3 F

Oriole Lode Claim, Book A, Page 60, Transcribed Record of Location Notices.
Also Book A, Page 169, Transcribed Quartz Record.

Silver Queen Lode Claim, Book B, Page 513, Transcribed Quartz Record.

Daisy Lode Claim, Book B, Page 514, Transcribed Quartz Record.

Eastern Star No. 1 Lode Claim, Book 2, Quartz Records of Pend Oreille County, Page 55.

Eastern Star No. 2 Lode Claim, Book 2, Page 56, Quartz Records of Pend Oreille County.

Protector No. 1, 2, 4, all in Book 1, Pages 611 and 612 respectively, Quartz Records of Pend Oreille County.

Protector No. 6, Book 5, Page 47, Quartz Records of Pend Oreille County.

PROOF OF LABOR

RECEIVED
AUG 29 1955

State of Washington)
County of Pend Oreille) ss.

Before me the subscriber personally appeared Jay Roy Jones who being first duly sworn on oath, deposes and says: That he has caused to be performed labor and made improvements upon the following described mining claims, to-wit:

All of those mining claims in the Metaline Falls Mining District, Pend Oreille County, Washington, named respectively are: "Oriole Lode Claim"; "Red Cloud Lode Claim"; "Silver Queen Lode Claim"; "Daisy Lode Claim"; "Oriole Annex Lode Claim"; "Eastern Star No. 1 Lode Claim"; "Eastern Star No. 2 Lode Claim"; Protectors No. 1, 2, 4, 6; all located contiguously in Sections 19, 20, 29, and 30, Township 39 North, Range 43, E.W.M. (These claims are all contiguous)

situated in the Metaline Falls Mining District, in Pend Oreille County, State of Washington during the year ending July 1, 1955, for and on behalf of Gertrude P. Amick, Executor of the Estate of William S. Schulz, deceased; Gertrude P. Amick; Louise M. Paulin; and Alma T. Jacobson, Edwin O. Dressel, Jr.-Jay Roy Jones, Partnership, the owner of said mining claims in the sum and value of ONE THOUSAND THREE HUNDRED ($1300.00) Dollars, that such labor and improvements consisted of ¼ mile road maintenance work; re-opening, repairing and timbering 20 feet of the main tunnel; new prospect raise of 20 feet; development work in stope No. 1 including 30 feet of raise mining; additional stope mining of 600 cubic feet in area; 15 feet of drift in No. 2 cross cut; 3 two man days surface work of repairing water supply and compressor; 2 days survey work. This work was done by the Dressel-Jones partnership who hold a lease on the described claims, and extended over 17 days' time.

Jay Roy Jones

Subscribed and sworn to before me this 30th day of June, 1955.

(SEAL)

Ann Holst
Deputy Pend Oreille County Clerk

86839 Indexed x
Recorded x
Verified x
Paged Out x

State of Washington)
County of Pend Oreille) ss.

This certifies that this instrument was filed for record in the Auditor's office in said county on June 30, 1955, at 8 o'clock and 30 min. A.M. at the request of Jay Roy Jones and recorded in vol. 3, page 280 Book of Affidavit of Assessment, Pend Oreille County, Washington. Ruth H. Swanson, Auditor of Pend Oreille County, By Edna Weigelt, Deputy.

Supplemental Sheets to MF-103 (Oriole Mine)

RECEIVED
AUG 29 1955

Par. 1, 2, & 3 answered on Form MF-103

Par. 4 (A & B)

The Oriole property includes seven unpatented claims which lie mostly in Sec. 19 & 20, T. 39 N., R. 43 E. Some production is reported in Mineral Resources for the years 1911, 1917, 1925 and 1926. No production records are available but it is estimated that about 5,000 ton of 15% combined Pb. and Zn. have been mined. In recent years until 1953 nothing but assessment work has been done. In 1953 a lease was taken on the property by the Bechart Dressel partnership. From 1953 on all the mining activity has been confined to the area marked # 1 on the map. Two short cross-cuts were driven which encountered ore. About 400 ton were mined from this area. This tonnage along with about 450 ton Of broken muck which was in the drift below the stoped area, from which the high grade had been sorted, yielded 42.72 oz. Au., 3,525.51 oz. Ag. 16.540 ton Pb., 23.131 ton Zn. and a little Cu.

The total workings cosist of approximately 1600 feet od drifts and crosscuts of which 120 feet is on the bottom level which is reached via a 90 foot winze from the main level. The main level has 840 feet and the upper level 640 feet which is connected to the main level via stoped out area. Elevations of these levels are given on the map. There are also some surface workings which consist of a caved shaft of unknown depth and some stoped area. No ore reserve is claimed
*

Par. 4 (C)

The country rock is dolomite of the Monk formation just below the Gypsy quartzite. The ore is along a gouge breccia seam that trends N. 65° W. and dips plus or minus 60° N. E. The ore deposit is a series of lenses elongated down the dip and connected by narrow quartz stringers. The ore consists of sheared quartz that contains sulfides, galena, shalerite, pyrite and chalcopyrite with some silver and in places some gold.

Par. 4 (D)

The property is located 2 miles west of Metaline Falls. It is accessible by two roads one of which the county maintains most of the way and perhaps the entire distance. The nearest rail head is at Metaline Falls 3 miles by road.

Par. 4 (E)

There is sufficient water at the mine. Supplies, equipment and man power are available. There is a power line to the property. A mill of 50 ton capacity and a compressor are on the premisis.

Par. 5 (B)

See 4 (C)

Par. 5 (D)

The person who will supervise the work is a graduate mining engineer with 20 years experience in mining, engineering and exploration.

* Smelter settlement sheets for 1953 production available for examination upon request.

Supplement to 4 (C) MF-103 (Oriole Mine)

Three hundred feet from the portal of the main level, near area one the drift intersects the vein at a cross fault. At this point it is believed that the vein is offset. As evidence of this the newly stoped area in area number one (see map) which is in the footwall of the drift. Diamond drilling could reveal a considerable body of ore between area #1 and the portal of the main level. It should be drilled at closely spaced intervals because the ore lensen are narrow and elongated down the dip. Further drilling should done into the footwall side of the main level bbetween area # 1 and the point where the ore pinches out just past the stoped area to determine whether a parallel strusture exists. Special attention should be given to the are where structures A and B intersect. Some drilling should be done from the top level on structure A between the upper level and the main level. Also portions of structure B shuold be drilled from the upper level. To accomplish the above prospecting would require about 3,500 feet of diamond drilling. The exact location, direction and angle of the holes could possibly be worked out best with the D. M. E. A. field men while on the property.

Par. 6 (A)
All this work would be let out on contract.

3,500 feet of EX diamond drilling @ $6.00/ft.	$21,000.00
Analytical work	80.00
Total	21,080.00

Par. 7 (B).
Rental of compressor and mill equipment on described premises to contractors and labor.

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AUG 2 0 1935

LEASE AND OPTION AGREEMENT

The purpose of this document is to state the terms and conditions under which the persons hereinafter designated as Lessees may occupy, work and remove and sell ore from certain mining claims below described; also to give them an option whereby them may, if they deisre, purchase and receive title to the subject matter of this contract. Present owners of the property are hereinafter called the Lessors; these are Gertrude P. Amick, Executrix of the Estate of William S. Schulz, deceased; Gertrude P. Amick; Louise M. Paulin; and Alma T. Jacobson; said Lessors are contracting with Edwin O. Dressel, Jr., Jay Roy Jones, ~~Cline E. Tedrow, and Doles A. Underwood~~, who are hereinafter called the Lessees.

The subject matter of this agreement consists of the following:

1. All of those mining claims in the Metaline Falls Mining District, Pend Oreille County, Washington, named respectively are; "Oriole Lode Claim"; "Red Cloud Lode Claim"; "Silver Queen Lode Claim"; "Daisy Lode Claim"; "Oriole Annex Lode Claim"; "Eastern Star No. 1 Lode Claim"; "Eastern Star No. 2 Lode Claim"; all located contiguously in Sections 19, 20, 29, and 30, Township 39 North, Range 43, E.W.M., together with all mines, minerals, lodes and veins within the lines of said claims and their dips and spurs and all appurtenances belonging to the same.

2. The following personal property, located on the above described land; compressor, steam engine, boiler, shop tools, pipe vise, blacksmith vise, post drill, blacksmith blower and forge, anvil, two shaking tables, hoist, pump, skip, three mine cars, rails, and two inch pipe either installed or on hand.

In consideration of the mutual covenants herein contained, the Lessors grant to the Lessees an option for the purchase of the above subject matter, as well as the Lease beginning upon the execution of this instrument, and to continue for a period of ten (10) years from that date. Such lease shall apply to all the subject matter above specified. Rental payments shall be as follows: Ten per cent (10%), in lawful money of the United States of America, of all net smelter returns as well as ten per cent (10%) of any sums that may be realized by any other or different disposition of ores or minerals, shall be paid to

the Lessors; Provided these ores or minerals were mined from the group of claims as described on page one of this instrument; monthly reports will be made during the term of this lease, by the Lessees to the Lessors, and prompt accounting and settlement will be made of all funds received by Lessees pursuant to this agreement, As to ores mined from other properties and milled by the Lessees in the mill which is located on the above described property, Lessees shall pay Lessors ten per cent (10%) of any net profit derived from said operation; the net profit will be computed by substracting the entire expense (but such deductable "expenses" are not to include any "compensation" to any of said Lessors) of milling said ore from the gross return of said operation. If the sum of $10,000.00 has not been paid to Lessors by the first day of October, 1960, this agreement may be terminated at the option of either party hereto, without further resulting liability of any party hereto. Commencing the first day of October, 1961, the Lessees shall pay the Lessor the sum of $5,000.00, and an identical sum the first day of October of each year thereafter; provided that ten per cent (10%) of net smelter returns (and of the said "net profit" from said mill) and other sums derived by other or different disposition of ores or minerals of the claims herein described, shall be a credit against the said beginning $10,000.00 payment, and also against the yearly $5,000.00 payments; and provided further, if the amount so paid shall exceed the required payments, such excess shall be credited against the annual payment for the following year. The right now granted to remove and sell ore or other valuable minerals from the mining claims herein described shall begin upon the execution of this instrument.

The Lessees shall conduct all their operations on the described property in a competent and good miner-like manner, with due regard to preserving sound and workable conditions on the property. The Lessors shall have the right of inspection at all reasonable times.

In addition to the lease hereby granted, the Lessors do further grant to the Lessees an irrevocable option for the term of ten (10) years

from the date of the execution of this instrument, to purchase the herein described property. This option may be executed at any time within the ten year period of this Lease by a written notice, personally delivered to Gertrude P. Amick or by registered mail. If the option be exercised, the purchase price shall be $60,000.00, subject however, to reduction by the total payments made since the date of the execution of this instrument. Although paid originally as rent reserved, all such payments made in account with the terms of this instrument shall apply, in full, upon the purchase price if the option be exercised. The balance of the purchase price remaining unpaid, after applications of such credits shall be paid in cash within six (6) months after the giving of the notice. If this option be exercised before the normal expiration of the term of the lease, completion of purchase through the exercise of the option shall terminate the lease automatically.

The Abstract of Title, No. 10810, of the Pend Oreille County Abstract Company, Newport, Washington, containing 127 pages, to, and including, its certificate No. 11113, dated October 13, 1953, at 5:00 o'clock P.M., be, and it is, hereby, accepted as sufficient hereunder to show proper title in the said Lessors, and it is to be deposited in the escrow, in the Ione State Bank, Ione, Washington, together with this said document.

The Lessees assume liability for the 1954 assessment work and agree to perform same in a timely and adequate fashion. The Lessees must give the Lessors proof of the required annual assessment work, for filing by Lessors; if the Lessors fail to perform the required assessment work, on or before June 1st of each year, then the Lessors may enter and have the right to perform such assessment work, in order to protect the property. In such event the Lessees shall pay the Lessors $700.00 additional to other payments herein required, on or before July 1st of that year in which Lessors were so required to perform required annual assessment work, together with interest thereon at the rate of six per cent (6%) per annum from said July 1st until paid in full; Provided further be-

ginning with the annual assessment work of the year 1955, Lessees may be released from further assessment work on the claims described herein, and from other obligations of this instrument, by giving a notice, by registered mail, to Gertrude P. Amick, no less than ninety (90) days prior to the required completion of assessment work, to-wit: June 1st of any such year.

It is understood and agreed amont the parties hereto, that the Lessees herein named, contemplate the formation of a corporation under the laws of the State of Washington, to pursue the general business of mining in all of its ramifications. Lessors hereby expressly authorize the assignment of the lease and option herein set forth to said corporation, in the event the Lessees so desire; provided, that if any other parties join in the corporation proceeding, then express written consent must be obtained from the Lessors, herein named, before any such assignment can be made; no other assignment of this lease, nor of the option herein contained, nor any part thereof, may be made by the Lessees without the written consent of the Lessors. But it is further provided that the Lessors will not withhold consent unreasonably, if assignment be desired for the purpose of hypothication, if that will pay the agreed purchase price herein, or if further associates are desired by the Lessees, and they are responsible persons of good reputation. And provided further, that any proper and accepted, assignment of this lease, and/or of said option, in whole or in part does not, and will not, relieve any of the said Lessees named herein from any of the Lessees' obligations herein, and also, that any proper, and accepted, assignee thereby is automatically bound to perform any and all of the Lessees' obligations herein, and hereunder.

Time is of the essence of this agreement and a faithful compliance with all the obligations herein assumed by Lessee (with exception of buildings). If they shall fail to make any payment on the day when the same becomes due, (including "annual assessment work" and/or payments) or shall fail to maintain the premises in a proper and good miner-like

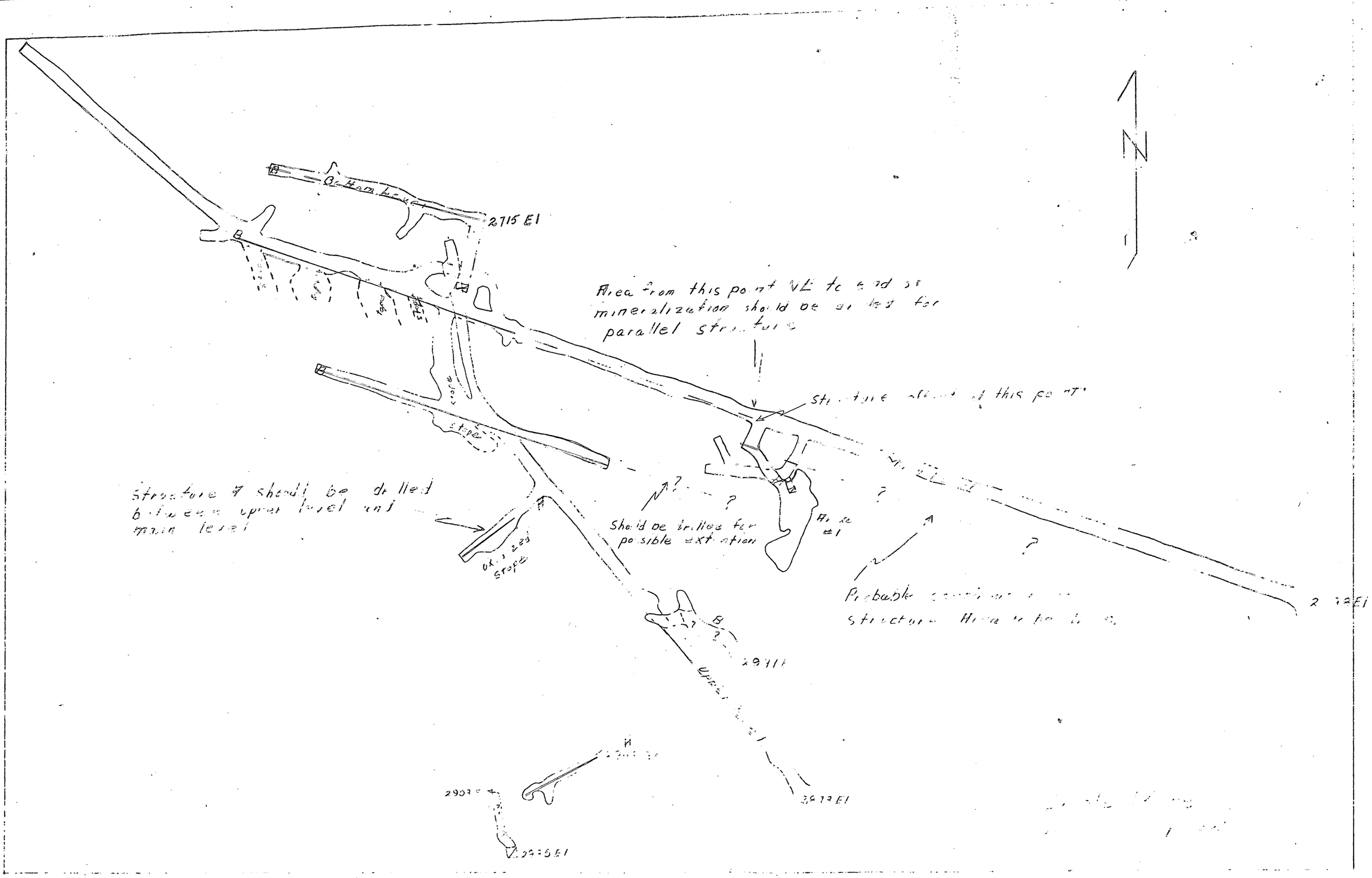
manner, including the dumping of mill tailings on the described property, (provided, the Lessees, assume no responsibility for the condition of the buildings presently on the property, but, Lessees must not intentionally destroy, or remove, or knowingly permit intentional destruction of, or removal of, said buildings) the Lessors may declare a forfeiture of this contract and all rights granted hereunder. If the Lessors so elect, they must give a notice in writing, addressed and sent individually to the Lessees in Metaline Falls, Washington, by registered mail, or deliver to them personally; such notice must specify the particulars in which the default or breach is claimed, and allow a period of ninety (90) days within which said breach or defaults may be cured, If within the stated period the Lessees fail to correct or cure the breaches complained of or to bring the contract out of default, the forfeiture may then be made final and complete by giving Lessees written notice that the forfeiture is final. Such notice to be delivered personally or sent by registered mail. In such event, all rights of the Lessees created herein shall immediately cease, and possession of the property as set forth on page one herein, shall at once be surrendered to the Lessors; all payments theretofore made by the Lessees to the Lessors shall remain the property of the Lessors by way of liquidated damages, with no additional liability to Lessees.

This transaction shall be carried out through escrow agreement. The original signed copy of this lease and option, together with a suitable deed and bill of sale covering the subject matter, shall be deposited with the Ione State Bank at Ione, Washington, for delivery to the Lessees if and when they exercise their option of purchase, and complete the same as herein required. Also, Lessees shall deposit with the said Ione State Bank escrow a quit claim deed to the property described herein, for delivery to the Lessors in the event a default is claimed and a forfeiture consumated under the terms of this lease. The escrow holder is hereby authorized to deliver said quit claim deed to

the Lessors herein, provided satisfactory evidence is presented said escrow holder, showing forfeiture requirements to be completed. Also, if the assignment, as contemplated herein, by the Lessees to the proposed corporation, is completed, said corporation shall execute a similar quit claim deed for deposit in the escrow, and this deed shall be so deposited within ten (10) days after the completion of said assignment, and Lessors shall be notified by the escrow holder. Escrow fees shall be divided equally. All payments required hereunder shall be made at the office of the Ione State Bank at Ione, Washington.

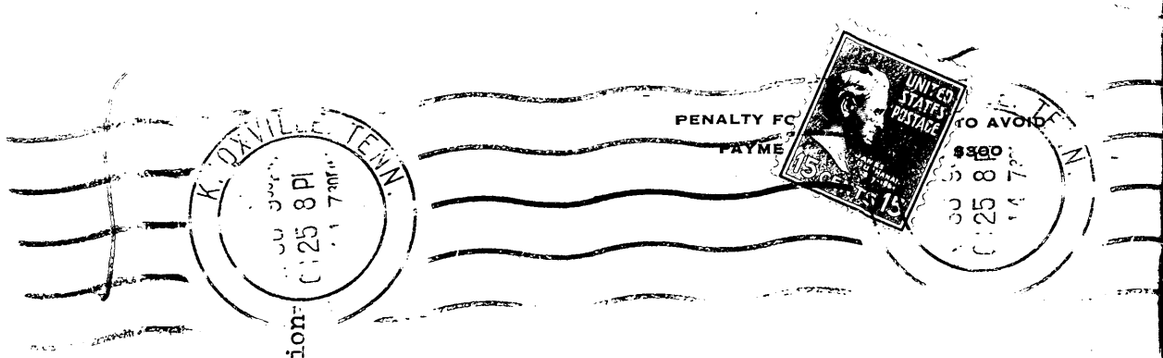
IN WITNESS WHEREOF, the parties have executed the lease and option agreement as of the 25th day of May, 1955.

LESSORS	/s/ Gertrude P. Amick As Executrix of the Estate of William S. Schulz, Deceased. /s/ Gertrude P. Amick /s/ Louise M. Paulin /s/ Alma T. Jacobson
LESSEES	/s/ Edwin O. Dressel, Jr. /s/ Jay Roy Jones


2715 El
Area from this point VE to end of mineralization should be drilled for parallel structure
Structure should be drilled between upper level and main level
Should be drilled for possible extension
Probable continuation of structure
Upper level
2973 El
2975 El

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
ELECTROTECHNICAL LABORATORY
NORRIS, TENNESSEE

OFFICIAL BUSINESS



Mr. Jay L. Chambers
Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.