DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3534

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This document has been recorded as

Exploration Assistance

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

Routing Slip

To:	500	Date	10/19/54
To:	500	Date	10-26-54
To:	Gen Com	Date	10-29-54
To:	Gen Com	Date	12-22-54
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File Copy
Surname
Griswold
Kiilsgaard
(CH) Johnson
Selfridge
Johnson

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

DEC 22 1954

Mr. O. M. Nordquist, President
Ione Mining Company
Box 466
Wallace, Idaho

Re: Docket No. DMEA-3534 (Lead-Zinc-Silver)
Ione Mining Company
Pirate Chief Claims
Shoshone County, Idaho

Dear Mr. Nordquist:

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,

C. O. Mittendorf

Administrator

WRGriswold/er 12/20/54

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Region II (2)
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

Right side docs

R.C.G.

File Copy
Surname

Griswold
Selfridge
Weissenborn

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

NOV 1 - 1954

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

Re: Docket No. DMEA-3534 (Lead-Zinc)
Ione Mining Company
Pirate Chief Claims
Shoshone County, Idaho

Dear Mr. Weissenborn:

We have your letter of October 11, 1954, enclosing copies of the cited application. We note that an examination of the property will be made as soon as possible.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (216)

APPROVED:

J. H. Hedges (216)
Member, Bureau of Mines

Thor H. Kiilsgaard (216)
Member, Geological Survey

WRGriswold/bjl (10/28/54)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Kiilsgaard
Mr. Bishop
Chron.

R.C.S.

File Copy
Surname

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

October 25, 1954

Memorandum

To: Mr. Robert E. Adams

From: W. R. Griswold, Chief, Base Metals Division

Subject: Docket No. 3534, Iona Mining Company, Pirate Chief Claims, Shoshone County, Wallace, Idaho.

Referring to the cited docket, we have a possible confliet as to proper nomenclature. At various points we have the name O. M. Nordquist first and the Iona Mining Company following. On the application signature we have the company name first.

Since this is an incorporated company, and since the Field, in their letter of October 11, uses the company name, I believe it would be best to so title the application.

W. R. Griswold

W. R. Griswold

WRG/er 10/25/54
Copy to:
Docket
Base Metals
Chron.

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

October 19, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region II

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 II.

DMEA-3534 Nordquist, O. M.

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

October 19, 1954

Subject: DMEA-3534
Re: Exploration Assistance
Ione Mining Co.

Mr. O. M. Nordquist
Box 466
Wallace, Idaho

Dear Sir:

The receipt of your application dated (undated) for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3534 and referred to the Base Metals Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OCT 15 1954

October 11, 1954

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

Re: DMEA application (lead-zinc-silver)
Ione Mining Company
Shoshone County, Idaho

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application for aid in an exploration project submitted by O. M. Nordquist, president of the Ione Mining Company. One copy of the application has been retained for the files of this office.

An examination of the property covered by the application will be made as soon as possible.

Sincerely yours,

A. E. Weissenborn

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

Enclosures

cc: USBM (2)
Geologist

0071554

xxxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

October 11, 1954

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

Re: DMEA application (lead-zinc-silver)
Ione Mining Company
Shoshone County, Idaho

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Sincerely yours,

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

Enclosures

cc: USBM (2)
Geologist

NON-PRIVILEGED DOCUMENT

TO BE PHOTOCOPIED AND PRODUCED

DO NOT CODE

BATES NO. 0395

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

December 20, 1954

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-3534, Ione Mining Company, Pirate Chief Claims, Shoshone County, Idaho.

The application concerns a narrow vein of little promise, average width six inches. Almost an automatic denial.

W. R. Griswold

W. R. Griswold

File Copy
Surname
Griswold

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

December 20, 1954

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-3534, Ione Mining Company, Pirate Chief Claims, Shoshone County, Idaho.

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W. R. Griswold

WRG/er

Copy to: Docket
Base Metals
Chron.

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
DEC 15 1954

December 14, 1954

Re: DMEA-3534
Ione Mining Co.
(Ione Prospect)
Shoshone Co., Idaho
$60,000
Lead-Zinc-Silver

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial

Sufficient exploration has been done from the surface to a vertical depth of over 200 feet to indicate the character of this deposit. The vein averages about 6" in width along exposed parts, both along strike and downdip.

The field examiners do not believe the width of the vein can reasonably be expected to increase along strike or down the dip of the vein.

A significant discovery is unlikely to be made on this property. I concur with the Field Team's conclusion and recommend the application be denied.

E. L. Newcomb

E. L. Newcomb

IN REPLY REFER TO:

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

Colorado Colorado
RECEIVED
DEC 15 1954

December 14, 1954

Re: DMEA-3534
Lone Mining Co.
(Lone Prospect)
Shoshone Co., Idaho
$60,000
Lead-Zinc-Silver

Memorandum

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E. L. Newcomb

ELNewcomb:hlm
G-12/14/54

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

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

Defense Minerals Administration
RECEIVED
DEC 13 1954

December 10, 1954

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM, Reviewed by Walter E. Lewis

Subject: Docket No. DMEA-3534 (lead-zinc-silver), Ione Mining Company, Shoshone County, Idaho. Field Team Report.

We have reviewed the subject report and concur with the recommendation made by the Field Team that the application be denied.

The applicant proposes to explore the lateral extent of the Ione vein from the No. 2 Ione adit. Vein widths range from less than 1 to 14 inches. One oreshoot in the No. 1 adit was stoped to 20 feet above the adit averaging about 8 inches in width over a strike distance of 40 feet. There is also a second small stope between the No. 1 and 2 adits. Most of the exposed vein in both adits averaged less than 5 inches in width.

The Field Team concludes that there is no geological evidence available that indicates there are larger oreshoots along the strike of the vein. We concur with this conclusion. In addition, there is no evidence to indicate that deeper exploration is justified.

O. M. Bishop

O. M. Bishop

Copy to: Minerals Division
Edward L. Newcomb, Room 5227
O. M. Bishop
Files

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

December 10, 1954

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM, Reviewed by Walter E. Lewis

Subject: Docket No. DMEA-3534 (lead-zinc-silver), Ione Mining Company, Shoshone County, Idaho. Field Team Report.

We have reviewed the subject report and concur with the recommendation made by the Field Team that the application be denied.

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O. M. Bishop

Copy to: Minerals Division
Edward L. Newcomb, Room 5227
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

Mines Minerals Administration
RECEIVED
DEC - 3 1954

November 30, 1954

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

Re: Docket No. DMEA-3534 (lead-zinc-silver)
Ione Mining Company
Shoshone County, Idaho

Dear Mr. Selfridge:

Enclosed are four copies of an examination report on the cited docket prepared by Verne C. Fryklund, Jr., Geological Survey, and E. G. Erickson, Bureau of Mines.

The field examiners state there is no geological evidence to indicate that there would be a favorable change in the vein within any reasonable deeper exploration; therefore, as the lateral exploration of the vein that the applicant had in mind cannot be justified and the examiners cannot justify with available data an exploration at depth, the Field Team concurs with the examiners that the application be denied.

By Field Team, Region II

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

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

Enclosure 1 (in quad.)
cc: USBM (2)
Fryklund

Reviewed by
DMEA OPERATING COMMITTEE
12-8-54
(date)

D Mea

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 3 1954

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

November 29, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey, and E. C. Erickson, Mining Engineer, U. S. Bureau of Mines

Subject: Docket No. DMEA-3534 (lead-zinc-silver), recommendation of denial for application of Ione Mining Company, Shoshone County, Idaho

INTRODUCTION

The property was visited November 10, 1954, with E. C. Erickson, Bureau of Mines, and D. M. Nordquist, president of the company. Surface and underground exposures of the vein were examined by all three of us, a rather remarkable feat for Mr. Nordquist who is 74 years old.

RECOMMENDATIONS

Where this vein has been stoped, it has a maximum width of 14 inches. Average width in the stoped areas is about 8 inches. Other portions of the vein average less than 5 inches in width. It is our opinion that there is no reason to believe that larger ore shoots are present on the vein.

Therefore, we do not recommend an exploration project contract at the property.

LOCATION

The property is at the crest of the south ridge of Bear Gulch in sec. 7, T. 49 N., R. 6 E., about 6 miles east of Murray, Idaho. The lower portal is at an altitude of about 5,800 feet. It is doubtful if the property could be operated during the winter without exorbitant snowplowing expense.

DESCRIPTION OF IONE VEIN

The Ione vein strikes about N. 70° E. in the No. 1 adit, and more irregularly, northeast in the No. 2 adit. The dip varies from

Reviewed by
DMEA OPERATING COMMITTEE
12-8-54
(date)

60° to 85° south. The vein is thus roughly parallel to the other veins of the Coeur d'Alene region. Widths range from less than 1 to 14 inches. The vein was stoped to perhaps 20 feet above the No. 1 adit where the vein averaged about 8 inches in width over a distance of 40 feet. There is a second small stope between the two levels. Most of the visible portion of the vein averages less than 5 inches in width. The vein was examined on the surface, in the No. 1 adit, in a stope between No. 1 and 2 adits, and in the No. 2 adit.

The vein is a replacement vein, and the quartz noted is probably recrystallized country rock quartz. This quartz has been replaced by carbonate, probably ankerite, sphalerite, and galena. In several places the vein material was composed entirely of galena; however, such portions of the vein were exceptional.

Assays of two samples taken over richest accessible portions of the vein are as follows:

E.G.E.-176: 8", Tr. Ag, Tr. Pb, 23.5% Zn

E.G.E.-177: 5", 3.4 ozs. Ag, 39.4% Pb, 16.3% Zn

CONCLUSIONS

It is doubtful if the width of the vein will increase, and the general tenor of the vein is very much less than the two assays. There would be little point in exploring such a vein in hopes of finding a radical change somewhere along strike. There is no geological evidence to indicate that there would be a favorable change in the vein within any reasonable deeper exploration; therefore, as the lateral exploration of the vein that the applicant had in mind cannot be justified and the examiners cannot justify with available data an exploration at depth, a denial of the application is recommended.

Enclosure
Distribution:
DMEA(4)
USBM(5)
USGS(SRO)
Dockat
Fryklund

So. 157 Howard Street
Spokane 4, Washington

November 30, 1954

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

Re: Docket No. DMEA-3534 (lead-zinc-silver)
Lone Mining Company
Shoshone County, Idaho

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

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

Enclosure 1 (in quad.)
cc: DMEA (2)
Fryklund

Reviewed by
DMEA OPERATING COMMITTEE
12-8-54

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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DEC - 3 1954

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

November 29, 1954

12/22/54

MEMORANDUM

To: DMEA Field Team, Region II

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USBM(5)
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Docket
Fryklund

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

Miscellaneous
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 4 - 1954

November 4, 1954

Memorandum

To: W. R. Griswold, Base Metals Branch, DMEA

From: O. M. Bishop, Base Metals Branch, USBM
(reviewed by Walter E. Lewis)

Subject: DMEA Docket No. 3534 (Lead-Zinc) - Application Ione Mining Co. - Shoshone County, Idaho

We have reviewed the subject application, and note that a field examination has been scheduled by the Region II Executive Officer, DMEA.

The description of the proposed work under 5 (b), application for aid, is somewhat confused. The applicant proposes to crosscut and drift a total of 1,400 feet: 500 feet eastward from the No. 2 Ione tunnel and 900 feet eastward from the Upper Bear Top tunnel at a lower level. The target of both openings is apparently to intersect at depth a lead vein that is indicated at surface by a weathered outcrop showing lead carbonates.

The map accompanying the application is of little use in determining the value of the proposed project. No elevations are given. The vein in the old mine workings dips 64° south. Judging from the map, the vein found in the old shaft, and the outcrops showing in the cuts at surface, including the "big cut with a lot of lead carbonates," could be the same vein. If this is true the vein should be exposed in the No. 2 Ione tunnel.

In view of the manner in which the application has been made, we recommend that the field team, in addition to determining the geologic probability of making a significant discovery, examine carefully the operating experience and background of the applicant.

O. M. Bishop.
O. M. Bishop

Copy to: Mr. Kiilsgaard, Room 5227
Minerals Division
Base Metals Branch
O. M. Bishop
Files

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

November 4, 1954

Memorandum

To: W. R. Griswold, Base Metals Branch, DMEA

From: O. M. Bishop, Base Metals Branch, USBM
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Base Metals Branch
O. M. Bishop
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

November 4, 1954

Memorandum

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From: O. M. Bishop, Base Metals Branch, USBM
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Minerals Division
Base Metals Branch
O. M. Bishop
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

November 4, 1954

Memorandum

To: W. R. Griswold, Base Metals Branch, DMEA

From: O. M. Bishop, Base Metals Branch, USBM
(reviewed by Walter S. Lewis)

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Minerals Division
Base Metals Branch
O. M. Bishop
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

November 4, 1954

Memorandum

To: W. R. Griswold, Base Metals Branch, DMEA

From: O. M. Bishop, Base Metals Branch, USBM
(reviewed by Walter S. Lewis)

Subject: DMEA Docket No. 3534 (Lead-Zinc) - Application Ione Mining Co. - Shoshone County, Idaho

We have reviewed the subject application, and note that a field examination has been scheduled by the Region II Executive Officer, DMEA.

The description of the proposed work under 5 (b), application for aid, is somewhat confused. The applicant proposed to crosscut and drift a total of 1,400 feet: 500 feet eastward from the No. 2 Ione tunnel and 900 feet eastward from the Upper Bear Top tunnel at a lower level. The target of both openings is apparently to intersect at depth a lead vein that is indicated at surface by a weathered outcrop showing lead carbonates.

The map accompanying the application is of little use in determining the value of the proposed project. No elevations are given. The vein in the old mine workings dips 64° south. Judging from the map, the vein found in the old shaft, and the outcrops showing in the cuts at surface, including the "big cut with a lot of lead carbonates," could be the same vein. If this is true the vein should be exposed in the No. 2 Ione tunnel.

In view of the manner in which the application has been made, we recommend that the field team, in addition to determining the geologic probability of making a significant discovery, examine carefully the operating experience and background of the applicant.

O. M. Bishop

Copy to: Mr. Kiilsgaard, Room 5227
Minerals Division
Base Metals Branch
O. M. Bishop
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MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 7 1954
U. S. G. S.
SPOKANE, WASH.

Form Approved.
Budget Bureau No. 42-R1035.2.1

RECEIVED
OCT 15 1954

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. ~~3535~~ 3534
Metal or Mineral Lead-ZINC
Date Received
Estimated Cost $60,000
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: O. M. NORDQUIST, BOX 466, WALLACE, IDAHO.
COMPANY-----IONE MINING COMPANY

(*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 Six Lode Mining Claims, by location (Not Patented)

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Owner by rights of locating.

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

(*e*) If you own the land, describe any liens or encumbrances on it No liens or encumbrances.

(*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.

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

(*c*) The work will start within ..... days and be completed within ..... 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)?

(*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 ....., 195...

Vone Mining Co.
(Applicant)

By O. M. Nordquist
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.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

INSTRUCTIONS

1. Name of applicant-O. M. Nordquist, Box 466, Wallace, Idaho
Company Ione Mining Company

(b) Corporation, Incorporated under the Laws of the State of Idaho.
(c) President, O. M Nordquist, Vice-President, Ralph H. Day, Osburn, Idaho, Secretary-Treasurer, A. A. Amonson, Box 92, Wallace, Idaho.
Manager, O. M. Nordquist.
The above officers are also directors. The other two directors are Charles F. Luttropp, Coeur d' Alene, Idaho and Bernard Williams, Coeur d' Alene, Idaho.

3. APPLICANT'S PROPERTY RIGHTS- Six Lode Mining Claims, by location, (Not Patented).

(b) IONE MINING COMPANY
(c) Owner by rights of locating one claim, purchased five claims.
(e) No liens or encumbrances.
(f) Mining Deed to five claims, Pirate Chief No. 1, Pirate Chief No. 2, Pirate Chief No, 3, Pirate Chief No. 4 and Pirate Chief No. 5, Recorded in Book 79, Page 282, Shoshone County, Idaho, Wallace, Idaho, and by Location, Sunshine, Recorded in Book 31, Page 272, Wallace, Shoshone County, Idaho.

4. (a) Good ore showing for 150 feet on surface, a shaft sunk in 1904, 40 feet deep, from which 33 tons of ore were taken out, running 57% lead 4½ oz. silver, one tunnel 95 feet below surface showing, good lead and zinc, but no road to it, hillside is too steep and rocky cliffs, No. 2 Tunnel in 1000 feet, showing ore, but not explored very much.
A County Road 7½ miles eastward from Murray, Idaho, to the camp, then our own road 1 9/10 miles up the mountain to the No. 2 Tunnel.
(b) We had 160 tons of ore milled last July, 1954, which ran 10 tons concentrates of lead running 74% lead, 9 tons of zonc running 55% and silver 90 oz.
(c) The Ione vein is a well-defined fisher vein with good ore showing for more than 500 feet on the surface, the country formation being Burke and Revett Quartzites for a mile or more, eastward.
Geoligists who have visited the property are: Keith Whiting, American Smelting and Refining Company, C. P. Pollock and Manning Cox, also with the American Smelting and Refining Company, John Conrow, Eagle Pitcher Mining Company, and Howard Sherman, Reconstruction Finance Corporation.
(d) A very good country road eastward from Murray, Idaho, to our mining camp, then our own road nearly 2 miles up the mountain to the compressor building and No. 2 Tunnel, then hauling to the Golconda Lead Mines Mill a distance of 30 miles, and 28 milexs to Wallace, Idaho. We expect a mill to be built within 6 miles of the mine.
(e) Plenty of man power but hard to get good miners, materials, supplies. Easy to get plenty of water and electric power.

5 (a) Lead, Zinc and Silver.
(b) 500 East on #2 Ione Tunnel to the carbonate showing on surface. We have an easement on two Bear Top mine tunnels, one is 350 feet below our No. 2 Tunnel, and will about 1200 feet long. Another Bear Top Tunnel is 410 feet below the one just mentioned and now is in about 2800 feet, this does not show on the accompanying map. This tunnel is into the vein but will have to driven 800 feet or 900 feet eastward to intersect the ore body.
(c) The work will start as early next spring as possible, about the middle of April and will be completed inside of two years from the date of an Exploration Project Contract.
(d) The man at the head of the company has had many years of experience in mining, and we have a very good mining engineer to take care of that part of it.

6. Estimate of Costs:

No. 2 Ione Mining Company Tunnel)
No. 3 or Upper Bear Top Tunnel)

Cross Cutting and drifting @ $37.00 per ft., Total	$51,800.00
3400 feet of 20 Lb Rails	1,850.00
Fish plates, spikes & bolts	300.00
Drill rods and carbide bits	400.00
Repair on rods	200.00
Compressor & Shop (Building) (At #3 or Bear Top Tunnel)	1,200.00
10 tons powder	230.00
~~230~~ 8-rolls of fuse	240.00
Blasting caps	80.00
Used Compressor 75 HP	2,000.00
560--30 in 4X6 Ties	300.00
Accounting and engineering	1,400.00
TOTAL	$60,000.00

(a) We intend to let all tunnel work out on contract.

(b) Labor will be taken care of by the contractors.

(c) Included in 6 Estimate of Costs.

(d) Operating Equipment. Will be furnished by the company:
1-200 ft per minute compressor 40 HP motor
1-Eimco Finley Mucking Machine
2-Drifters
2-Gardner Denver Stopers
5-22 cu ft ore cars
Air-driven ventilating fan,
1200 feet 12in tubing

(e) Should not be much.
(f) New Compressor building mentioned under Estimate of Costs.
(g) Should not be much
(h) ?

7 Yes
(b) By use of equipment owned by us, and by assessments if we must levy any.

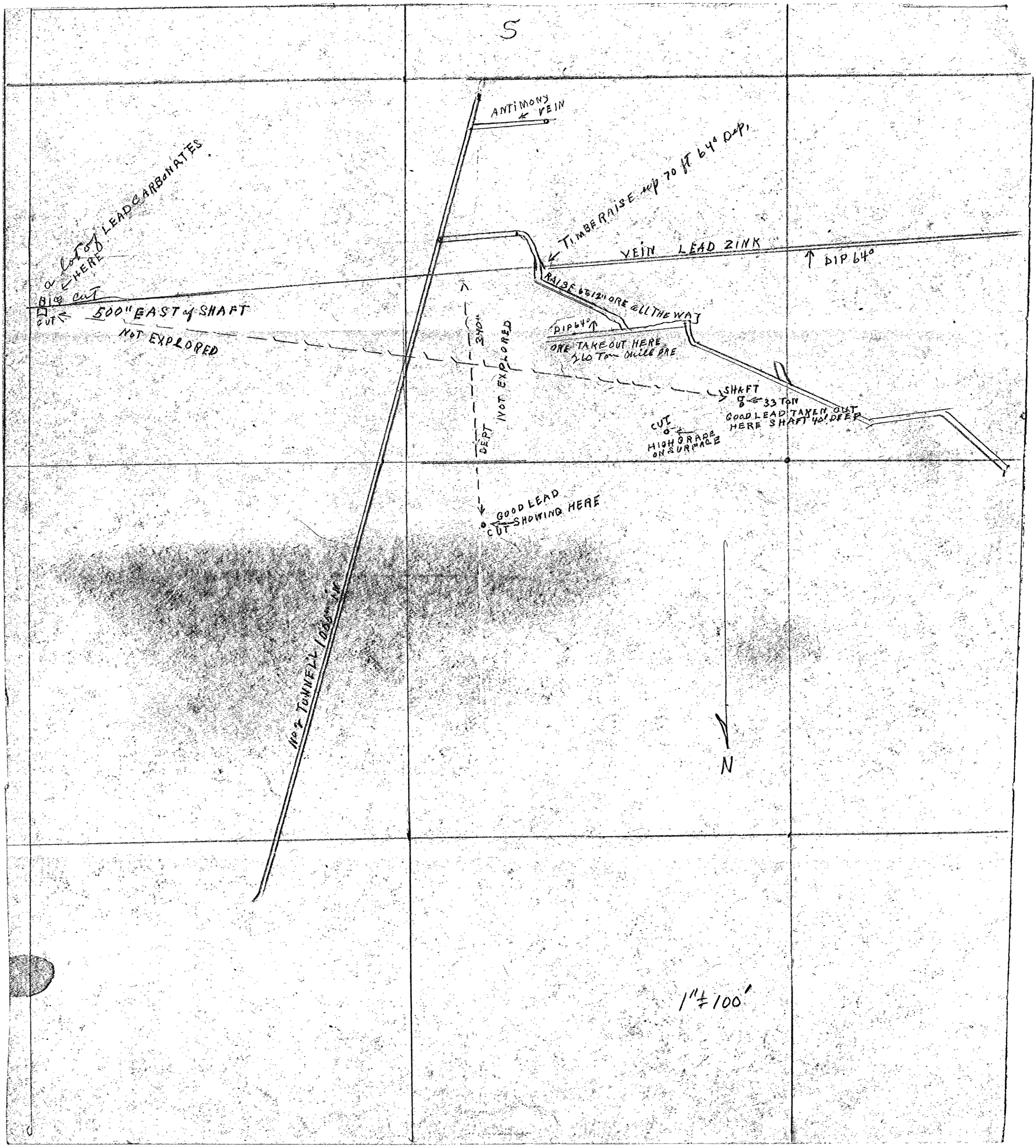
U. S. OFFICIAL BUSINESS
220 Custom House
555 Battery Street
San Francisco 11, California

CALIF. P.B. METER 169445

Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

FIRST CLASS

FIRST CLASS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ANTIMONY VEIN
TIMBER RAISE up 70 ft 64° dip.
VEIN LEAD ZINK
DIP 64°
a lot of LEAD CARBONATES
HERE
Big cut
CUT
500" EAST of SHAFT
NOT EXPLORED
RAISE 6'6"x2" ORE ALL THE WAY
DIP 64°
ORE TAKE OUT HERE
340 Ton Mill ORE
34D"
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GOOD LEAD TAKEN OUT
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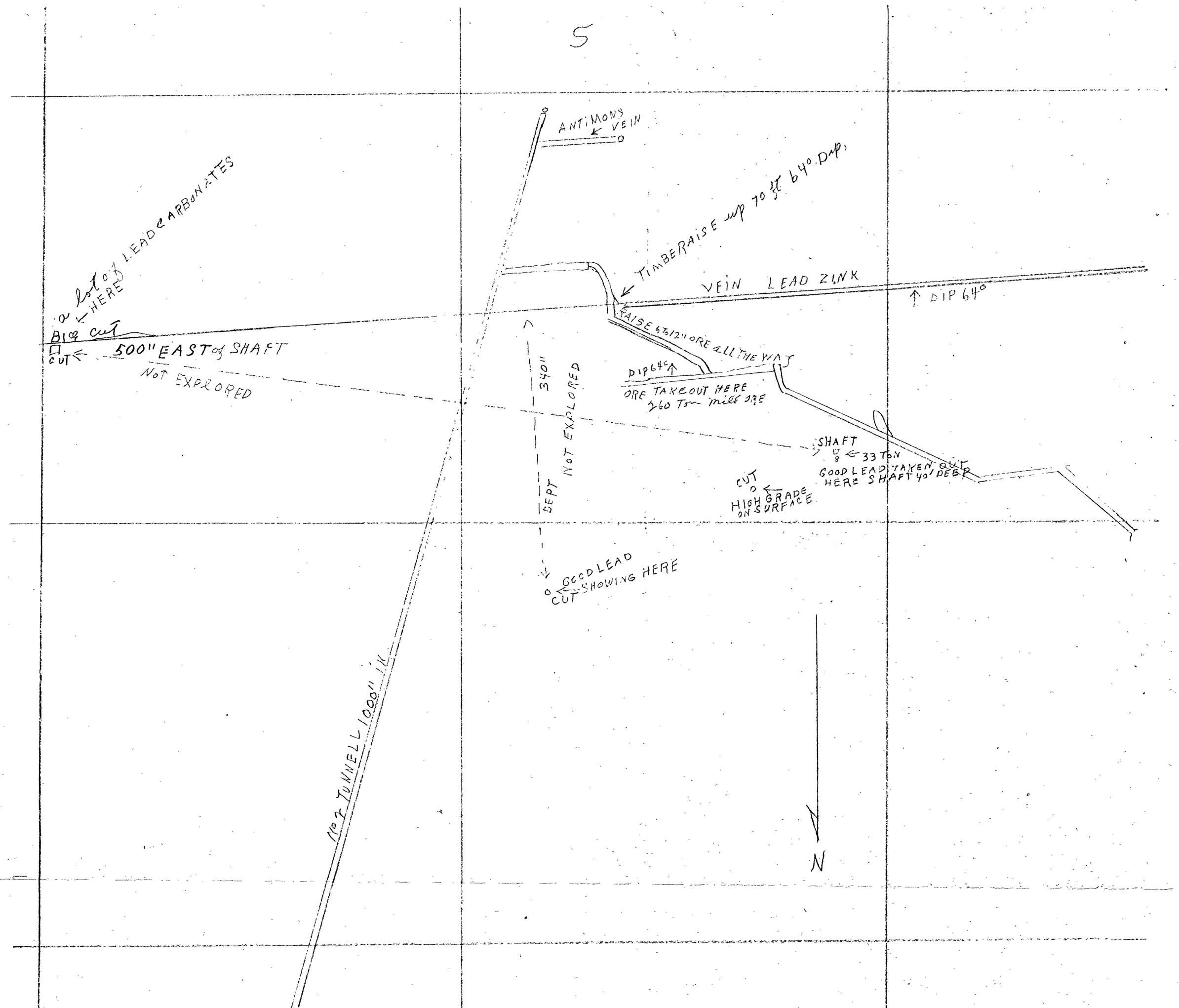
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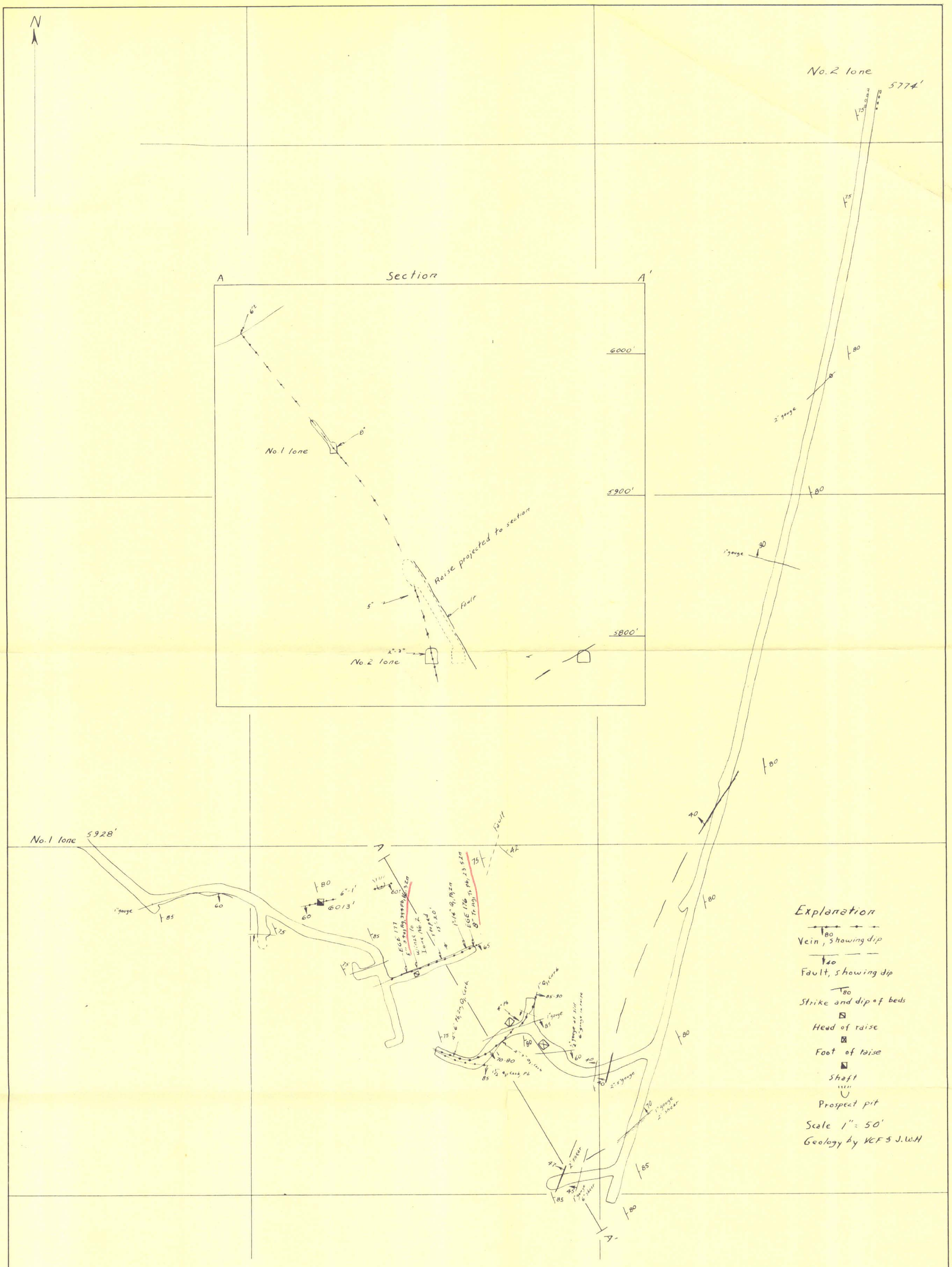

Geologic map of No. 1 and No. 2 Ione adits
Ione Mining Company, Shoshone Co., Idaho