DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3009

DO NOT DETACH THIS SLIP

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

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.

Copies to USBM, USGS and 1 copy retained in Region II.

Routing Slip

To:	Code 500, Rm. 2616	Date	4/30/53
To:	Open Conn	Date	5-11-53
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DO NOT DETACH

CONTROLLED DOCUMENT

FILE COPY
SURNAME:

500

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

Mr. John W. Larson
Box 269
Bellevue, Idaho

MAY 1 2 1953

Re: Docket No. DMEA 3009
John W. Larson
High Mountain Mine
Blaine County, Idaho
(Lead-Zinc)

Dear Mr. Larson:

g. c. 5/12/53

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

Projects approved by the Defense Minerals Exploration Administration must, in its judgement, 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 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,

C. O. Mittendorf (for)

Administrator

WRGriswold/hmj
(5/8/53)
CC to: Docket
Adm. R. File
Base Metals Division
Region II (2)
Mr. Kinkel
Mr. Bishop
Mr. Griswold
Chron.
Operating Committee

FILE COPY
SURNAME:

500

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

Orig. signed by WRG. Martin

May 8, 1953

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Application denial, Docket No. DMA 3009, John W. Larson, High Mountain Mine, Blaine County, Idaho.

The Field Team and the Commodity Members are in agreement that the above mine prospect consists only of erratic and scattered mineralized pods, with little indication of the existence of ores in significant amounts.

The Base Metals Division concurs with such opinion.

W. R. Griswold

Attachment

WRGriswold/hmj
(5/8/53)
CC to: Docket
Operating Committee
Base Metals Division
Mr. Griswold
Chron.

500

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

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WASHINGTON 25, D. C.

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The Base Metals Division concurs with such opinion.

. E. Criswold

Attachment

IN REPLY REFER TO:

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

May 6, 1953

Memorandum

To: Mr. W. R. Griswold

From: E. L. Newcomb, USGS
O. M. Bishop, USBM

Subject: Recommendation for denial

Re: DMEA-3009
High Mountain Mine
Little Wood River District
Blaine County, Idaho
$8800
Lead-zinc-copper

The applicant requests assistance to sink a 50-foot shaft at High Mountain Annex pit and to drift 50 feet from the bottom of the shaft.

The field team recommends that the application be denied.

Previous work has consisted mainly of test pitting and driving 115 feet of tunnel.

Several samples were taken by the operator from vein exposures in the test pits over widths of 4-11 feet. Assays ranged between 5.3-27.1% lead, 1.2-3.8% zinc, 0.2-0.7% copper, and 2.4-10.8 oz. of silver. However, assay certificates for these samples were not submitted by the applicant. Past production was limited to one shipment of 1026 pounds of hand-sorted ore averaging 12.7% lead, 3.8% zinc, 0.3% copper, and 9.43 oz. of silver.

This property was examined by the field team in September, 1952, at Mr. Larson's request before the winter storms closed the area. Mr. Larson did not submit an application at that time, because of protracted negotiations for a bonded lease agreement. No formal DMEA field report was prepared. However, an examination report was written for the Bureau of Mines by H. T. Reno. As this report was considered adequate for DMEA purposes, a formal DMEA report was not submitted on the subject application.

The limited exposures of mineralization and their similarity to other small deposits in the district indicate that a significant ore body is unlikely to be found by the proposed exploration. The relative inaccessibility of the property and the improbability of minable ore bodies being developed by the project favor denial of the application.

We concur with the field team recommendation that the applicant's proposal be denied.

E. L. Newcomb
Geologist

O. M. Bishop
Base Metals Branch

IN REPLY REFER TO:

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

May 6, 1953

Memorandum

Re: IMMA-3009
High Mountain Mine
Little Wood River District
Blaine County, Idaho
8800
Lead-zinc-copper

To: Mr. W. K. Griswold

From: T. L. Newcomb, USGS
O. M. Bishop, USBM

Subject: Recommendation for denial

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This property was examined by the field team in September, 1952, at Mr. Larson's request before the winter storms closed the area. Mr. Larson did not submit an application at that time, because of protracted negotiations for a bonded lease agreement. No formal IMMA field report was prepared. However, an examination report was written for the Bureau of Mines by H. T. Reno. As this report was considered adequate for IMMA purposes, a formal IMMA report was not submitted on the subject application.

The limited exposures of mineralization and their similarity to other small deposits in the district indicate that a significant ore body is unlikely to be found by the proposed exploration. The Relative inaccessibility of the property and the improbability of minable ore bodies being developed by the project favor denial of the application.

We concur with the field team recommendation that the applicant's proposal be denied.

T. L. Newcomb
Geologist

O. M. Bishop
Base Metals Branch

April 30, 1953

Mr. John W. Larson
Box 269
Bellevue, Idaho

DMEA-3009
Subject: Exploration Assistance
Re: High Mountain Mine

My dear Mr. Larson

The receipt of your application dated April 13, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3009 and referred to the Base Metals Division.

Kindly refer to DMEA-3009 in any future correspondence relating to your application.

Sincerely yours,

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

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

April 30, 1953

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 - 3009 - Larson, John W.

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

38226

DMEA-3009

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

No. 157 Howard Street
Spokane 4, Washington

Reviewed by
DMEA OPERATING COMMITTEE
5-8-53
(date)

April 24, 1953

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 30 1953

Re: Application (Lead-Zinc)
High Mountain Mine
Blaine County, Idaho

Dear Mr. Selfridge:

Forwarded herewith are three copies of an application submitted by John W. Larson, Bellevue, Idaho, for DMEA assistance to explore lead-zinc deposits on a group of 5 unpatented claims in an extremely rugged section of Blaine County, Idaho.

On September 27 and 28, 1952, an examination of Mr. Larson's claims was made by H. T. Heald and V. Z. Johnson, U. S. Bureau of Mines, and G. W. Fuller, U. S. Geological Survey. The examination was made at the request of Mr. Larson who intended making a DMEA application and feared winter storms would prevent field work in the area after the application had been submitted. Mr. Larson, at that time, implied that the application would be submitted immediately subsequent to the inspection. It was learned soon after the examination, however, that Mr. Larson had instead entered into negotiations for a bonded lease agreement on the property. These negotiations have apparently failed and account for the delay in the submittal of the application.

Because of Mr. Larson's vacillation, no formal DMEA examination report was written by the Field Team examiners; however, an examination report to the Mining Branch, U. S. Bureau of Mines was written and submitted by H. T. Heald. This report contains all of the information normally contained in a DMEA examination report and because the examination was made for DMEA purposes, it is herewith submitted in place of a formal DMEA examination report.

Mr. Heald is at present engaged in U. S. Bureau of Mines work and is unavailable; however, Mr. Johnson and Mr. Fuller concur in Mr. Heald's conclusions. The showings on Mr. Larson's claims are encouraging but the possibilities of making a significant discovery are remote. The history of similar deposits in the area and the meager surface outcrops does not indicate a deposit of any

Operating difficulties, relative inaccessibility, method of exploration, high unit cost and difficulties attached to servicing the contract are other considerations in favor of denying the application. Therefore, in the opinion of the Field Team, a denial of Mr. Larson's application is recommended on the basis of geologic improbability and difficulty of initiating and maintaining an economically sound exploration project.

By DMEA Field Team, Region II

M. S. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

Harold Kirkham, Acting Member
(U. S. Geological Survey)

Enclosures

cc: USBM (2)
Fuller

DMEA-3009

M. E. Volin, Chief, Mining Division, Region II — December 19, 1952

H. T. Reno, Mining Engineer

Examination of John Larson prospect, Blaine County, Idaho (lead-zinc)

I examined the John Larson prospect with V. Z. Johnson, U. S. Bureau of Mines and J. Fuller, U. S. Geological Survey, pursuant to a request by Larson for a DMEA examination before storms closed the area for the winter. Larson has delayed making application pending results of negotiations for a bonded lease agreement on the property. This memorandum, therefore, is a Bureau of Mines report.

Although two days were spent in the vicinity, the greater part of this time was spent walking between Larson's camp and the prospect. Time actually spent on the ground permitted only a cursory examination of the mineral deposit and sketchy mapping of the surrounding area. The examination is considered adequate to appraise an application for exploration or access road assistance, but inadequate to correlate all the showings and completely evaluate the property.

LOCATION AND ACCESS

The property, five unpatented lode mining claims, is in Sec. 23, T. 4 N., R. 21 E., at the head of Little Copper Creek in the Little Wood River mining district, Blaine County, Idaho. It is almost inaccessible, lying half a mile up a steep rocky slope (impassable to a horse) from a foot trail which connects with the end of the Copper Creek road two and a half miles away. Hailey, Idaho, on the Union Pacific Railroad, is 32 miles via dirt road from Little Copper Creek.

Approximately four miles of expensive road with grades as high as 20 percent would be required to make the property accessible.

HISTORY AND PRODUCTION

John Larson discovered the outcrop in the summer of 1951. In 1952 he mined 1000 pounds of ore from a shallow prospect pit, skidded it down the mountain on a stone boat, packed it to the road on a horse, and then hauled it by truck to the Midvale smelter in Utah. At present (November 1952) he is negotiating to lease the property to others.

Reviewed by
DMEA OPERATING COMMITTEE
5-8-53
(date)

PROPERTY AND OWNERSHIP

The property, owned by John W. Larson of Bellevue, Idaho, is composed of the following unpatented lode mining claims:

High Mountain
Big Hole Annex
Big Hole Ledge
Big Hole Ridge
Big Hole Blue Scheelite

DESCRIPTION OF THE DEPOSIT

The country rocks in the area are limestone and shales of the Wood River formation crosscut by several discontinuous rhyolite or quartz monzonite dikes. Locally the sedimentary strata strike north and dip 55° to the east. The dikes, striking east to N. 30° E., dip steeply to the south or are about vertical.

The deposit, striking north and dipping 55° to the east, generally conforms to the bedding, is either a selection replacement or mineralization along a bedding plane slip and crops out 2 feet wide over a stretch of 80 feet. At the north end in the bottom of a 6-foot deep prospect pit where it contacts an east trending dike it is 9 feet wide. The deposit apparently is similar to those in the Little Wood River (Muldoon) district, described by Alfred J. Anderson and Warren R. Wagner in the Idaho Bureau of Mines and Geology pamphlet No. 75.

The ore minerals galena and sphalerite are in a gangue of pyrite, arsenopyrite, quartz and a minor amount of calcite.

OWNER'S PLANS

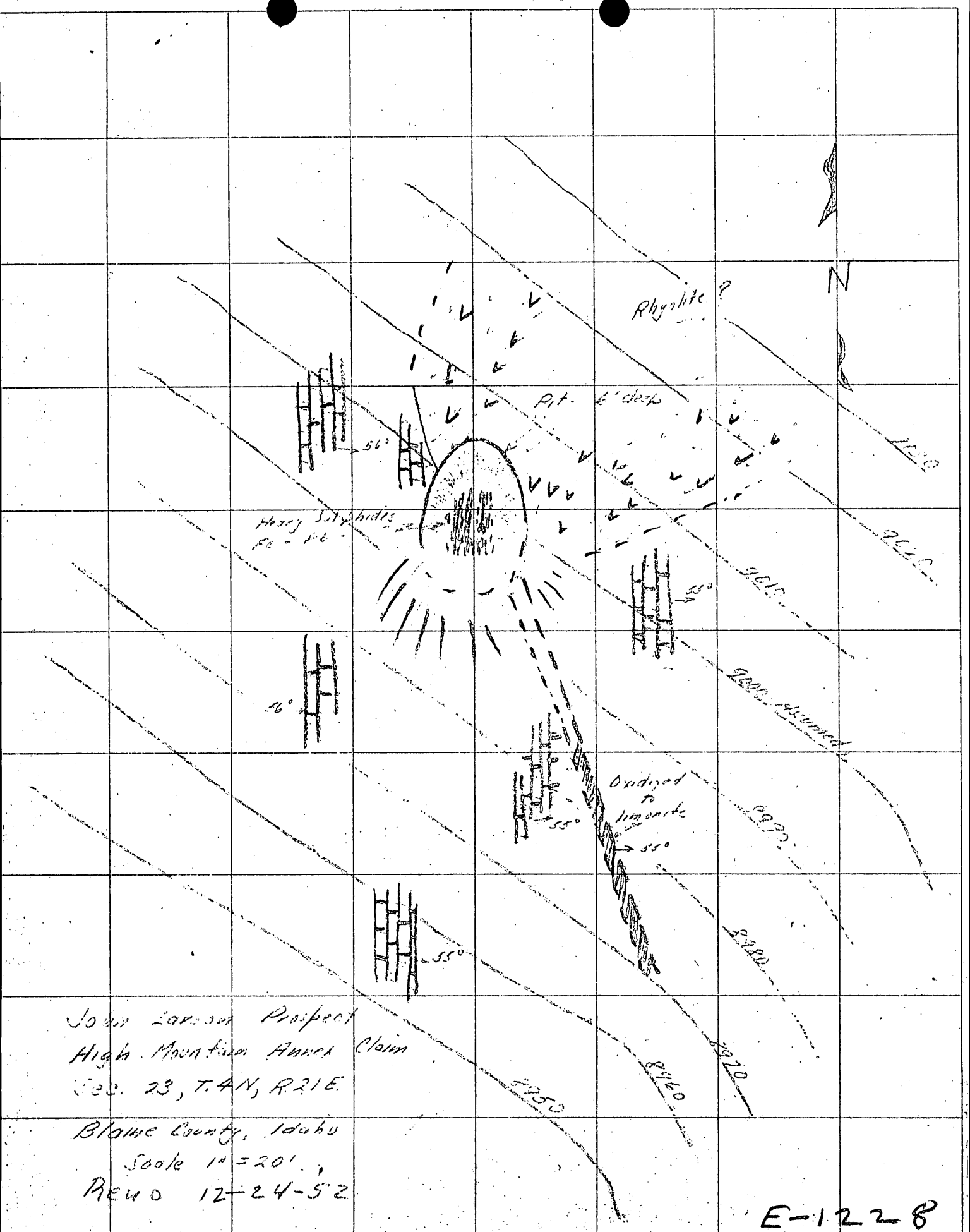
John Larson, the owner, is a prospector not financially able to hire help to explore the property. He is trying to sell or lease it, but as the showing is not sufficient to interest a responsible mining company, his market is limited.

CONCLUSIONS

The presence of 16½ percent combined lead and zinc in the prospect pit and the favorable environment prohibit discounting entirely the possibility of an ore body existing on the property. However, the similarity of this deposit to those of the Wood River district, which have all been small, and the adverse location make it a poor prospect.

The deposit could best be proved with a few diamond drill holes, but considering Larson's financial position his only course to improve the showing is to sink by hand at the prospect pit in the best grade where the mineralization is the widest.

N. T. Heno



John Larson Prospect
High Mountain Amer Claim
Sec. 23, T.4N, R.21E.

Blaine County, Idaho
Scale 1" = 20'
Rev'd 12-24-52

E-1228

DMEA - 3009

U. S. Geological Survey

M. E. Volin, Chief, Mining Division, Region II — December 19, 1952

H. T. Peno, Mining Engineer

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Approximately four miles of expensive road with grades as high as 20 percent would be required to make the property accessible.

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DMEA OPERATING COMMITTEE

(date)

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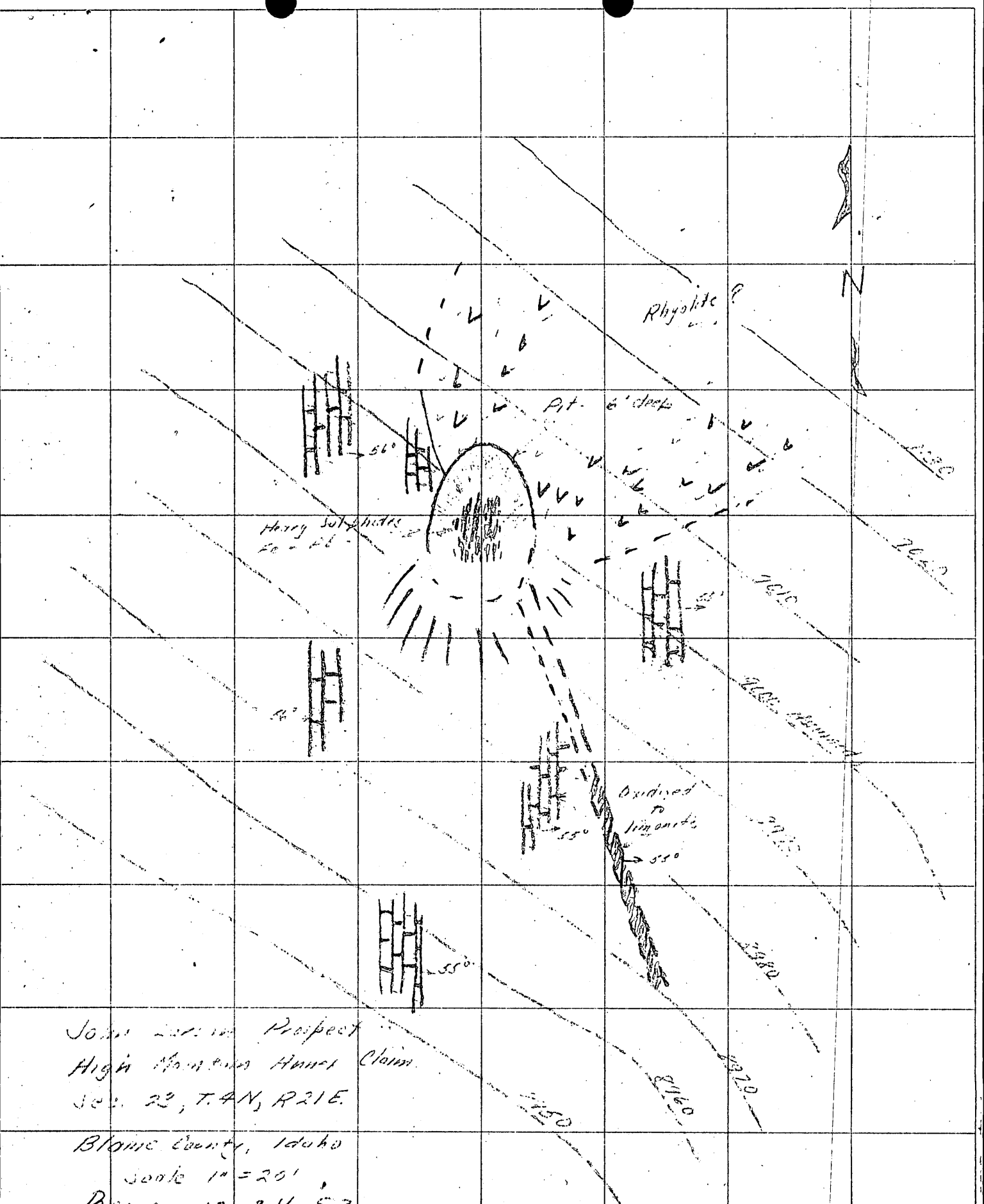
H. T. Reno



John [illegible] Prospect
High [illegible] Homer Claim
Sec. 22, T.4N, R21E.

Blaine County, Idaho
Scale 1" = 20'
Rev'd 12-24-52

E-1228

DMF-103
(Revised April 1952)

RECEIVED
APR 15 1953
U. S. G. S.
SPOKANE, WASH.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Form Approved
Budget Bureau No. 42-R1035.2.
RECEIVED
APR 30 1953

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. DMEA-3009
Metal or Mineral
Date Received 4/30/53
Estimated Cost
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: John W. Larson,
Box 269, Bellevue, Idaho

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract High Mountain, High Mountain Annex, High Mountain Ledge, High Mountain Ridge, and High Mountain Blue Scheelite mining claims.

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

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

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

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

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

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. one ton - Smelter (schedule attached

(*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, Copper, and Tungsten

(*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)?

(*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 April, 13, 1953

John W. Larson
(Applicant)

By

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

4 (a) High Mountain Claim; Two open pits on outcrops.
High Mountain Annex Claim; Open pit on ore, two other open pits on outcrops.
High Mountain Ledge Claim; Open pit on outcrop with ore, Tunnel about fifteen feet in on ore.
High Mountain Ridge Claim; Open pit on outcrop with ore.
High Mountain Blue Scheelite Claim; Open pit on outcrop with ore. Tunnel in about one hundred ten feet, little ore,-ore bodies not reached yet.

4(b) Ore reserves; High Mountain Ridge Claim - 150 tons
High Mountain Annex Claim - 500 tons
High Mountain Ledge claim - 500 tons

4(c) Type of deposit- replacement in Limestone Beds. Limestone beds cut by Rhyolite, aplite and andesite phrphry dikes. Rhyolite most prominent.

4(d) There is a road to within three miles of the prospect. It is thirty-five miles to the shipping point at Bellevue, Idaho.

4(e) Supplies can be bought at Bellevue, Idaho.

5(b) Proposed work - at High Mountain Annex pit; sink on ore fifty feet. Drift on ore at bottom of shaft twenty-five feet each way.

5(b) Work to start within thirty days if weather permits.

5(d) Prospector and miner for thirty years. Will do work myself with one helper.

6 Estimate of costs: Shaft - $125.00 per foot. Drift - $45.00 per foot.

6(a) No independent contracts.
6(b) I will do the work myself with one helper.

6(c) Dynamite, fuse, and caps- shovels, picks, single-jacks and drill steel.
6(d) I will furnish the following equipment; Complete set of Hand tools drills, hammers, shovels, picks, wheelbarrow, and blacksmith outfit. 20 drils, 3 picks, 3 shovels, 3 hammers, 1 hand hoist, 1 bucket, cable, 2 saws, 2 axes, blacksmith(complete) , Moile.

6(e) There is an old cabin on the claims. It will cost about $300.00 to fix it up and put in a floor.

6(f) None. 6(g) None.

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General Report on the High Mountain Group of Mining Claims

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There is plenty of water from springs and from a swift mountain stream nearby for all purposes. There is very little timber on the claims but there is plenty of timber available nearby.

The formation here contains the Wood River Conglomerate at the top of the mountain, above the claims, and below this is a lamellar limestone. In various places at the base of the limestone are dykes of rhyolite. Some Aplite and andesite-porphry also show up at various places. Below the limestone lies a siliceous argyllite, or argillaceous quartzite.

~~On~~ The veins are made up of the sulfide ores of lead, zinc, silver, Copper, iron, and antimony. Some veins contain the carbonate ores of Copper. Also scheelite.

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An assay taken from the shaft at thelower part of the High Mountain claim showed values of 10.80 oz. silver per ton, The vein here is about three feet wide.

There is much ore showing here but the claims are very difficult to get to, and would require a bit of expense before production of ~~ro~~ ore on a paying base could be begun.

John W. Larson

MF-103
(Revised April 1952)

RECEIVED
APR 15 1953
U. S. G. S.
SPOKANE, WASH.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 30 1953

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. DMEA-3009
Metal or Mineral
Date Received 4/30/53
Estimated Cost
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: John W. Larson, Box 269, Bellevue, Idaho

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract High Mountain, High Mountain Annex, High Mountain Ledge, High Mountain Ridge, and High Mountain Blue Scheelite mining claims.

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

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

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

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

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

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. one ton - Smelter (schedule attached

(*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, Copper, and Tungsten

(*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)?

(*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 April, 13, 1953

John N. Larson
(Applicant)

By

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

4 (a) High Mountain Claim; Two open pits on outcrops.
High Mountain Annex Claim; Open pit on ore, two other open pits on outcrops.
High Mountain Ledge Claim; Open pit on outcrop with ore, Tunnel about fifteen feet in on ore.
High Mountain Ridge Claim; Open pit on outcrop with ore.
High Mountain Blue Scheelite Claim; Open pit on outcrop with ore. Tunnel in about one hundred ten feet, little ore,-ore bodies not reached yet.

4(b) Ore reserves; High Mountain Ridge Claim - 150 tons
High Mountain Annex Claim - 500 tons
High Mountain Ledge claim - 500 tons

4(c) Type of deposit- replacement in Limestone Beds. Limestone beds cut by Rhyolite, aplite and andesite phrphry dikes. Rhyolite most prominent.

4(d) There is a road to within three miles of the prospect. It is thirty-five miles to the shipping point at Bellevue, Idaho.

4(e) Supplies can be bought at Bellevue, Idaho.

5(b) Proposed work - at High Mountain Annex pit; sink on ore fifty feet. Drift on ore at bottom of shaft twenty-five feet each way.

5(b) Work to start within thirty days if weather permits.

5(d) Prospector and miner for thirty years. Will do work myself with one helper.

6 Estimate of costs: Shaft - $125.00 per foot. Drift - $45.00 per foot.

6(a) No independent contracts.
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6(c) Dynamite, fuse, and caps- shovels, picks, single-jacks and drill steel.
6(d) I will furnish the following equipment; Complete set of Hand tools drills, hammers, shovels, picks, wheelbarrow, and blacksmith outfit. 20 drils, 3 picks, 3 shovels, 3 hammers, 1 hand hoist, 1 bucket, cable, 2 saws, 2 axes, blacksmith(complete) , Moile.

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There is plenty of water from springs and from a swift mountain stream nearby for all purposes. There is very little timber on the claims but there is plenty of timber available nearby.

The formation here contains the Wood River Conglomerate at the top of the mountain, above the claims, and below this is a lamellar limestone. In various places at the base of the limestone are dykes of rhyolite. Some Aplite and andesite-porphry also show up at various places. Below the limestone lies a siliceous argyllite, or argillaceous quartzite.

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John W. Larson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

April 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 30 1953

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

Re: Application (Lead-Zinc)
High Mountain Mine
Blaine County, Idaho

Dear Mr. Selfridge:

Forwarded herewith are three copies of an application submitted by John W. Larson, Bellevue, Idaho, for DMEA assistance to explore lead-zinc deposits on a group of 5 unpatented claims in an extremely rugged section of Blaine County, Idaho.

On September 27 and 28, 1952, an examination of Mr. Larson's claims was made by H. T. Reno and V. Z. Johnson, U. S. Bureau of Mines, and G. W. Fuller, U. S. Geological Survey. The examination was made at the request of Mr. Larson who intended making a DMEA application and feared winter storms would prevent field work in the area after the application had been submitted. Mr. Larson, at that time, implied that the application would be submitted immediately subsequent to the inspection. It was learned soon after the examination, however, that Mr. Larson had instead entered into negotiations for a bonded lease agreement on the property. These negotiations have apparently failed and account for the delay in the submittal of the application.

Because of Mr. Larson's vacilation, no formal DMEA examination report was written by the Field Team examiners; however, an examination report to the Mining Branch, U. S. Bureau of Mines was written and submitted by H. T. Reno. This report contains all of the information ordinarily contained in a DMEA examination report and because the examination was made for DMEA purposes, it is herewith submitted in place of a formal DMEA examination report.

Mr. Reno is at present engaged in U. S. Bureau of Mines work in Cuba and is unavailable; however, Mr. Johnson and Mr. Fuller concur with Mr. Reno's conclusions. The showings on Mr. Larson's claims are interesting, but the possibilities of making a significant discovery appear limited. The history of similar deposits in the area and the limited extent of surface outcrops does not indicate a deposit of any great size.

Reviewed by
DMEA OPERATING COMMITTEE
5-8-53
(date)

Operating difficulties, relative inaccessibility, method of exploration, high unit cost and difficulties attached to servicing the contract are other considerations in favor of denying the application. Therefore, in the opinion of the Field Team, a denial of Mr. Larson's application is recommended on the basis of geologic improbability and difficulty of initiating and maintaining an economically sound exploration project.

By DMEA Field Team, Region II

M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

Harold Kirkemo, Acting Member
(U. S. Geological Survey)

Enclosures

cc: USBM (2)
Fuller

COPY

M. E. Volin, Chief, Mining Division, Region II December 19, 1952

H. T. Reno, Mining Engineer

Examination of John Larson prospect, Blaine County, Idaho (lead-zinc)

I examined the John Larson prospect with V. Z. Johnson, U. S. Bureau of Mines and J. Fuller, U. S. Geological Survey, pursuant to a request by Larson for a DMEA examination before storms closed the area for the winter. Larson has delayed making application pending results of negotiations for a bonded lease agreement on the property. This memorandum, therefore, is a Bureau of Mines report.

Although two days were spent in the vicinity, the greater part of this time was spent walking between Larson's camp and the prospect. Time actually spent on the ground permitted only a cursory examination of the mineral deposit and sketchy mapping of the surrounding area. The examination is considered adequate to appraise an application for exploration or access road assistance, but inadequate to correlate all the showings and completely evaluate the property.

LOCATION AND ACCESS

The property, five unpatented lode mining claims, is in Sec. 23, T. 4 N., R. 21 E., at the head of Little Copper Creek in the Little Wood River mining district, Blaine County, Idaho. It is almost inaccessible, lying half a mile up a steep rocky slope (impassable to a horse) from a foot trail which connects with the end of the Copper Creek road two and a half miles away. Hailey, Idaho, on the Union Pacific Railroad, is 32 miles via dirt road from Little Copper Creek.

Approximately four miles of expensive road with grades as high as 20 percent would be required to make the property accessible.

HISTORY AND PRODUCTION

John Larson discovered the outcrop in the summer of 1951. In 1952 he mined 1000 pounds of ore from a shallow prospect pit, skidded it down the mountain on a stone boat, packed it to the road on a horse, and then hauled it by truck to the Midvale smelter in Utah. At present (November 1952) he is negotiating to lease the property to others.

Reviewed by
DMEA OPERATING COMMITTEE
5-8-53
(date)

PROPERTY AND OWNERSHIP

The property, owned by John W. Larson of Bellevue, Idaho, is composed of the following unpatented lode mining claims:

High Mountain
Big Hole Annex
Big Hole Ledge
Big Hole Ridge
Big Hole Blue Scheelite

DESCRIPTION OF THE DEPOSIT

The country rocks in the area are limestone and shales of the Wood River formation crosscut by several discontinuous rhyolite or quartz monzonite dikes. Locally the sedimentary strata strike north and dip 55° to the east. The dikes, striking east to N. 30° E., dip steeply to the south or are about vertical.

The deposit, striking north and dipping 55° to the east, generally conforms to the bedding, is either a selection replacement or mineralization along a bedding plane slip and crops out 2 feet wide over a stretch of 80 feet. At the north end in the bottom of a 6-foot deep prospect pit where it contacts an east trending dike it is 9 feet wide. The deposit apparently is similar to those in the Little Wood River (Muldoon) district, described by Alfred J. Anderson and Warren R. Wagner in the Idaho Bureau of Mines and Geology pamphlet No. 75.

The ore minerals galena and sphalerite are in a gangue of pyrite, arsenopyrite, quartz and a minor amount of calcite.

OWNER'S PLANS

John Larson, the owner, is a prospector not financially able to hire help to explore the property. He is trying to sell or lease it, but as the showing is not sufficient to interest a responsible mining company, his market is limited.

The

CONCLUSIONS

The presence of 16½ percent combined lead and zinc in the prospect pit and the favorable environment prohibit discounting entirely the possibility of an ore body existing on the property. However the similarity of this deposit to those of the Wood River district, which have all been small, and the adverse location make it a poor prospect.

The deposit could best be proved with a few diamond drill holes, but considering Larson's financial position his only course to improve the showing is to sink by hand at the prospect pit in the best grade where the mineralization is the widest.

H. T. Reno

COPY

M. E. Volin, Chief, Mining Division, Region II December 19, 1952

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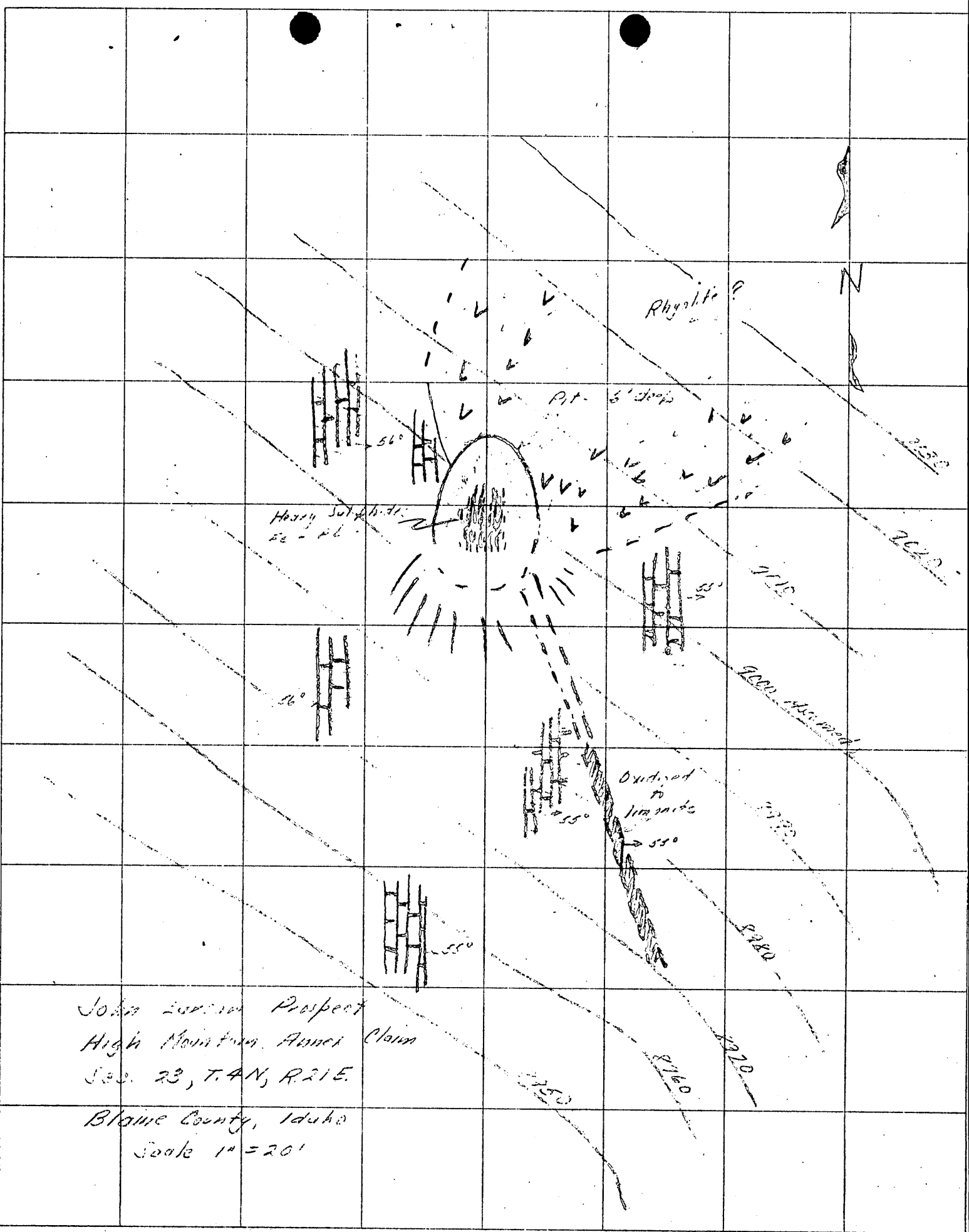


John Larson Prospect
High Mountain Annex Claim
Sec. 23, T.4N, R.21E.

Blaine County, Idaho
Scale 1" = 20'

"ALBANENE" No. 196M K&E CO., N.Y.
REG. U.S. PAT. OFF

INTERNATIONAL SMELTING AND REFINING COMPANY
TOOELE PLANT

Salt Lake City, Utah. 10/17/52

Account of John W. Larson
Box 269
Bellevue, Idaho

Shipped from Bellevue, Idaho

Received Sampled 10/7 By Class Crude Mine Lot 1 Smelter Lot

ASSAYS	COPPER PER CENT	LEAD PER CENT	ZINC PER CENT	SILVER OZ. PER TON	GOLD OZ. PER TON	INSOLUBLE PER CENT	IRON PER CENT	SULPHUR PER CENT	LIME PER CENT	MANGANESE PER CENT	PER CENT
Smelter No.	.3	12.7	3.8	9.43	.02	35.0	14.4	11.5	Tr	11.1	
Mining Co.											
Moisture											
		-1.5									
Company		11.2									

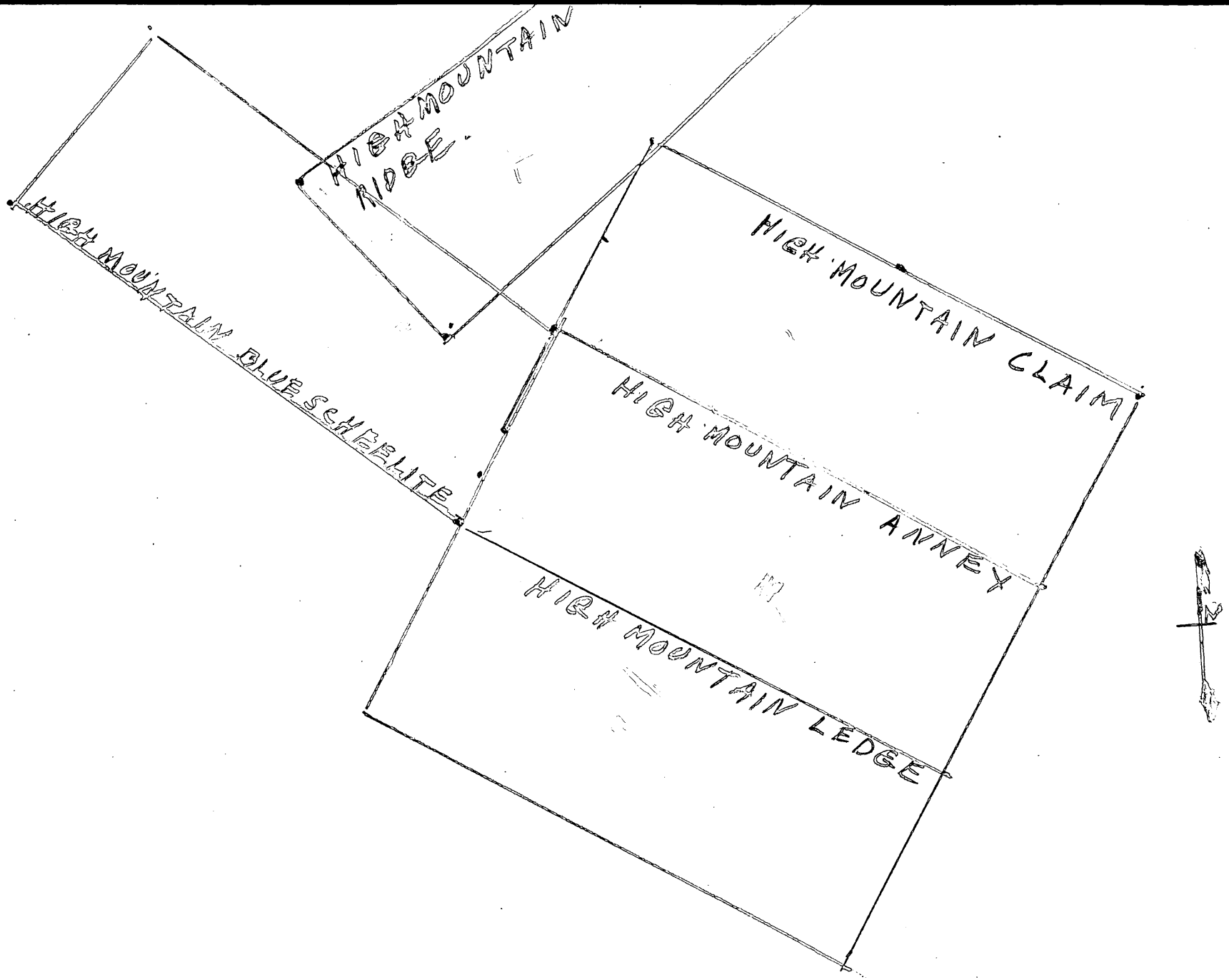
N. Y. & M. J. METAL QUOTATIONS			
Copper (Average for Week Ending)			
Lead (Average for Week Ending)	10/1	16	000
Zinc (Average for Week Ending)			
Silver " " " "	10/1	83	250
Gold		$35	000

VALUES PER TON			
Copper	@		
Lead 90%	@ .137265	27	673
Zinc	@		
Silver -.5 Oz.	@ .83250	7	434
Gold 91%	@ 35.000		637
Gross Metal Payment		35	744
Less Treatment		19	656
Net Value Per Ton		16	088

TREATMENT			
Base		7	715
Chg lead under 30% @ .10		1	880
As 10.1% @ .50		5	050
		14	645
Insoluble	% @ .10	3	500
Sulphur 9.5	% @ .25	2	375
Zinc	% @		
		20	520
Iron	% @ .06		864
Lime	% @		
Manganese	% @		
Net Treatment		19	656

Car Number	Weight	PAYMENT		
		.5105 Dry Tons@ 16.088 Per Ton	8	21
		Handling charge, under ten tons (To break even)	8	21
Truck			-	--
Wet	1026	Freight @ Per Ton (R. R. Value)		
.44	1021	Shipped by Wet Lot Voucher No. Total No. Pounds	-	--

WS



= ORE VEINS

SKETCH PLAT of HIGH MOUNTAIN GROUP of MINING CLAIMS

DMEA-3009

1201 North [illegible] Street
SPOKANE 2, WASHINGTON

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(PMGC)

SPOKANE WASH
AP 8 6 00PM
1953

SPOKANE WASH
AP 8 6 00PM
1953

Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

DMEA-3009