DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3702

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.

Cys to USBM and USGS.

This document has been recorded as

Exploration

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

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File Copy
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J. Alt
Friend
Selfridge

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

AUG 24 1955

Mr. Sivert John Hegstad

Chilco, Idaho

Re: Docket No. DMEA-3702 (Lead-Zinc-Copper)
Sivert John Hegstad
West Coeur d'Alene Mine
Kootenai County, Idaho

Dear Mr. Hegstad:

This is with reference to the cited application for Government exploration assistance. On August 15, 1955 you asked Mr. A. E. Weissenborn, Executive Officer, Region I, Northwest District, to withdraw your application for exploration assistance. Therefore, we are placing it in our inactive files.

We regret the necessity of your having to request this action; however, it is done without prejudice to your property.

As requested in your letter of February 4, we are returning the following supporting material which accompanied your application:

Mine photos. In envelope.
Letter from George L. Gary, Mineral Technologist, dated December 3, 1954. In envelope.
Letter from Charles W. Chesterman, Asst. Geologist, dated February 16, 1948. In envelope.
Letter - Record of segregation of claims, dated July 7, 1954. In envelope.
2 Proofs of Labor on WKI, WK, & WK#2 claims, in envelope.
Letters from Bunker Hill Smelter, dated May 29, 1940, June 6, 1942 and June 18, 1942 with two assay reports.
Letter from Tacoma Smelter, dated November 8, 1948.
Map showing location of present workings, to lode and mineral zones.
Sketch of mine area.

right side docs

Sincerely yours,

C. O. Mittenderf

Administrator

Enclosures

JWAlt/er 8/23 & 8/24/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, Region I(2), NW
Chron.

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

August 23, 1955

Memorandum

To: Chief, Operations Control and Statistics Division

From: Chief, Base Metals Division

Subject: Withdrawal of Application, Docket No. DMEA-3702, Sivert John Hegstad, West Coeur d'Alene Mine, Kootenai County, Idaho, Lead-Zinc-Copper.

Will you please withdraw the cited application from the active files. The Applicant on August 15, 1955, visited the office of the Executive Officer, Region I, Northwest District and asked that his application be withdrawn and placed in the inactive files without prejudice.

W. R. Griswold

W. R. Griswold

File Copy
Surname
J. Alt.

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

August 23, 1955

Memorandum

To: Chief, Operations Control and Statistics Division

From: Chief, Base Metals Division

Subject: Withdrawal of Application, Docket No. DMEA-3702, Sivert John Hegstad, West Coeur d'Alene Mine, Kootenai County, Idaho, Lead-Zinc-Copper.

Will you please withdraw the cited application from the active files. The Applicant on August 15, 1955, visited the office of the Executive Officer, Region I, Northwest District and asked that his application be withdrawn and placed in the inactive files without prejudice.

W. R. Griswold
W. R. Griswold

JWAlt/er

Copy to: Docket
Base Metals
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

August 18, 1955

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

Re: Docket No. DMEA-3702 (lead-zinc-copper)
Sivert John Hegstad
West Coeur d'Alene Mine
Kootenai County, Idaho

Dear Mr. Selfridge:

The referenced applicant visited this office on Monday, August 15, 1955, and asked that his application for exploration assistance be withdrawn and placed in the inactive files without prejudice.

We are withdrawing this application from our active files as requested.

Sincerely yours,

Verne C. Fryklund Jr.

Verne C. Fryklund, Jr.
A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

cc: USBM(2)
Fryklund

P.S. Would you please return to Mr. Hegstad the requested material per our letter dated February 16, 1955, to you.

RECEIVED
AUG 22 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JUL 1 8 1955

July 11, 1955

Docket

Mr. S. J. Hegstad

Chilco, Idaho

Re: Docket No. DMEA-3702 (lead-zinc-copper)
West Coeur d'Alene Mine
Kootenai County, Idaho

Dear Mr. Hegstad:

I have not heard from you as to whether the shaft has been pumped out. I would suggest that if you are uncertain as to when this will be possible, you withdraw your application until that time.

A withdrawal would, of course, be without prejudice, and you could reapply at any time.

Sincerely yours,

Verne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

May 19, 1955

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

Re: Docket No. DMEA-3702 (lead-zinc-copper)
Sivert John Hegstad
West Coeur d'Alene Mine
Kootenai County, Idaho

Dear Mr. Selfridge:

Enclosed is a memorandum to the files by Verne C. Fryklund reporting on his visit to the above-cited property. The shaft was flooded and could not be examined; as soon as Mr. Hegstad pumps it out, Fryklund will attempt another examination. However, if the shaft is not made accessible within a reasonable length of time, we will suggest to Mr. Hegstad that he withdraw his application at this time, and reapply at a later date if he wishes, so as to not have the application inactive for a long period of time.

Sincerely,

A. E. Weissenborn

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

Enclosure 1 (in quad.)

cc: USBM (2)
Fryklund

release this page only (copy this page only)

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DO NOT CODE

BATES NO. 0396

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

May 5, 1955

Memorandum

To: The Files

From: Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3702 (lead-zinc-copper), Sivert John Hegstad, West Coeur d'Alene Mine, Kootenai County, Idaho.

I visited the property with Mr. Hegstad May 4, 1955. Exposed veins are essentially barren containing minor gold values and some copper. There is, however, an 80-foot shaft on a vein containing galena and sphalerite. This shaft is flooded and I felt that Mr. Hegstad should have the opportunity of pumping out the shaft before the examination is formally concluded and a report is written.

Mr. Hegstad will inform us when the shaft is ready for examination. This will not be soon, if ever.

Distribution:
DMEA (orig. & 3)
USBM (2)
Docket
Fryklund

Withhold following pages
DO NOT copy
this page thru end of DOC

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Department of the Interior
Defense Minerals Administration
MAY 23 1955

May 5, 1955

Memorandum

To: The Files

From: Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3702 (lead-zinc-copper), Sivert John Hegstad, West Coeur d'Alene Mine, Kootenai County, Idaho.

I visited the property with Mr. Hegstad May 4, 1955. Exposed veins are essentially barren containing minor gold values and some copper. There is, however, an 80-foot shaft on a vein containing galena and sphalerite. This shaft is flooded and I felt that Mr. Hegstad should have the opportunity of pumping out the shaft before the examination is formally concluded and a report is written.

Mr. Hegstad will inform us when the shaft is ready for examination. This will not be soon, if ever.

Distribution:
DMEA (orig. & 3)
USBM (2)
Docket
Fryklund

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
No. 157 Howard Street
Spokane 4, Washington

Defense Minerals Admin. Area
RECEIVED
MAY 23 1955

May 5, 1955

Memorandum

To: The Files

From: Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey

Subject: Docket No. DMA-3702 (lead-zinc-copper), Elvert John Hegstad, West Coeur d'Alene Mine, Kootenai County, Idaho.

I visited the property with Mr. Hegstad May 4, 1955. Exposed veins are essentially barren containing minor gold values and some copper. There is, however, an 80-foot shaft on a vein containing galena and sphalerite. This shaft is flooded and I felt that Mr. Hegstad should have the opportunity of pumping out the shaft before the examination is formally concluded and a report is written.

Mr. Hegstad will inform us when the shaft is ready for examination. This will not be soon, if ever.

Distribution:
DMEA (orig. & 3)
USGS (2)
Docket
Fryklund

xxxxxxxxxxxxxxxxx
9e. 157 Howard Street
Spokane 4, Washington

March 30, 1955

Betty

Docket

Mr. S. J. Hegstad
1901 East Glencoke Boulevard
Glendale, California

Re: Docket No. DMEA-3702 (lead-zinc-copper)
West Coeur d'Alene Mine
Kootenai County, Idaho

Dear Mr. Hegstad:

Your application for exploration assistance has been received and forwarded to our Washington office. An examination of your property will be scheduled just as soon as you inform us that the property is accessible. It is hoped you or a representative whom you might designate can be present at the time of the examination.

Sincerely yours,

Verne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

cc: DMEA (2)
USBM (2)
Fryklund

File Copy
Surname

J. W. All.
Griswold
Selfridge
Johnson
Matthews

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

MAR 7 - 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-3702 (Lead-Zinc-Copper)
Sivert John Hegstad
West Coeur d'Alene Mine
Kootenai County, Idaho

Dear Mr. Weissenborn:

This will acknowledge receipt of your letter of February 16, 1955, in which you state that you will schedule an examination of the property later in the spring when the snow is off the ground.

We will hold this application in abeyance until the Field Team report is received.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

APPROVED:

J. H. Hedges
Member, Bureau of Mines

E. L. Newcomb
Member, Geological Survey

JWALT/er 3/3/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

R.G.H.

March 1, 1955
Subject: DMEA 3702
Re: Exploration Assistance
West Coeur d'Alene Claims

Mr. Sivert John Hegstad
1901 East Glenoaks Blvd.
Glendale 6, California

Dear Mr. Hegstad:

The receipt of your application dated February 4, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3702 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

March 1, 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 Northwest.

DMEA - 3702 Sivert John Hegstad

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

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

RECEIVED
FEB 21 1955

February 16, 1955

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

Re: Application for exploration assistance
Sivert John Hegstad
West Coeur d'Alene Mine
Kootenai County, Idaho

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application submitted by S. J. Hegstad of Chilco, Idaho (winter address given as 1901 East Glenoaks Blvd., Glendale, California). Please note that he wants the supporting material "saved," and we would presume, therefore, returned to him.

We will schedule an examination of the property later in the spring when the snow is off the ground.

Sincerely yours,

John S. Vhay

John S. Vhay
Acting Member, DMEA
Field Team, Region I
Northwest District

Enclosures

cc: USBM (2)
Fryklund

C
O
P
Y

1901 East Glenoaks Blvd.
Glendale, California
February 4, 1955

U.S.Dep't. of the Interior
D.M.E. Administration
1201 N. Division Street
Spokane, Washington

Re: Gov't. Aid in exploration-

Dear Mr. Agnew:

Inclosed here with you will find my application for a D.M.E.A. loan for exploration of our mine located in Kootenai County, Idaho. Also map sketches of the area, mine workings, and geological formations on the premises, assays, proofs of labor, record of segregation, etc., necessary to my application.

I should like to have these materials saved if you don't mind. The snapshots included were taken some years ago in 1944, when I anticipated applying for a loan at that time.

It is possible that I might have overlooked some item called for in the forms, if so, you may notify me regarding same and I shall be glad to oblige.

As has been my custom in past years, I plan to return to the Chilco area and the claims about April 15, when all of the snow is generally out, or possibly sooner this year. Then we can get together and discuss details at that time.

In the event that you might have need of a character reference you may get in touch with any of the following: Dr. William Hodgkins, Dr. Raymond Pellow, Dr. Peter Rudy, Dr. Platner, all of Spokane, and also Attorney Boardman Noland.

In Coeur d'Alene: Mr. Levi Johnson, Government Way, Coeur d'Alene, Mr. Jim Madson, Mr. Ralph Molstead, Dalton Gardens, C D A.

Or, Mrs. Olga Chambers, formerly Postmistress at Chilco, Idaho.

They have all known me for years, and I am sure will be happy to offer you whatever information you may desire.

I shall be happy to offer you my cooperation in whatever way you may wish, in the consideration of this matter.

Thanking you, in advance, for whatever consideration you can show the matter of my application. I remain,

Very sincerely yours,

/s/ S. J. Hegstad

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BATES NO. 0396

RECEIVED
BUREAU OF MINES
FEB 7 - 1955
SPOKANE, WASH.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1085.2.

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. 3702
Metal or Mineral Lead-Zinc-Copper
Date Received 2-21-55
Estimated Cost $5,000
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:

SIVERT JOHN HEGSTAD CHILCO, IDAHO
also 1901 E. Glenoaks Blvd., Glendale 6, California

(*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

Owner - Three unpatented mineral claims (with improvements) and approximately 300 acres of private land surrounding these claims all lying within Kootenai County, Idaho, Sec. 6, NTwp. 52, Range 3 W. -B.M.

(*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

West Coeur d' Alene Mine - Owner & Operator

(*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. (T- 265, T- 266, T- 267 claims.) Privately owned - Book 127 Pgs. 250-252

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 will to explore Lead, zinc, copper, Monazite, rare earths, radio-active thorium, antimony, talc, tungsten, nickel

(*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 90 days and be completed within 24 months from the date of an exploration project contract. Preferably May 10, 1955

(*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 Lumber and timber

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 Feb. 4, 195 5

G. J. Hegstad
(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

The West Couer d' Alene Mining Lode Claims are located in the Wolf Lodge Mining District, (unorganized), of Kootenai County, Idaho. They lie approximately 45 miles Northeast of Spokane, Washington, and 15 miles North of Couer d' Alene, Idaho, on the Western margin of the Couer d' Alene National Forest.

They are owned, and being developed by Sivert John Hegstad, of Chilco, Idaho, and (1901 East Glenoaks Blvd. Glendale, Calif.)

The small community of Chilco, Idaho, lies directly one mile East of the claims, where a grocery store and service station are located. Also the Spokane International Railroad maintains a spur and sidetrack, with baggage, freight, and mail service.

The transcontinental highway passes through Chilco, also the the newly constructed Farragut super highway.

Approximately two miles West of the claims, the Northern Pacific railraod maintains similar services to that of the Spokane-International, thus making the area of exploration very accessable, both by rail and first class, improved highways.

Five small towns, ranging in population up to 750 people, lie within a radius of 10 miles of the claims, and with some mining men living in the area, it would not be difficult to find man-power to man an operating mine.

An ample supply of water is found on the property, provided by the three mine shafts, a small shallow well, and two ponds, well watered throughout most of the year, ranging in size up to five acres.

Likewise, an ample supply of mine timber is available on our property and the claims, consisting of some virgin growth pine, and a good stand of pine, fir, and tamarack, approximately 300 acres.

The claims lie at an altitude of 2300 feet, some 200 feet above the valley floor, which is known as the Purcell Trench extension of the Kootenai Basin, lying to the North of us.

The Bonneville Power Co., and the Washington Power Co., maintain electrical power lines across the property, a short distanceof a couple of city blocks, away, and paralell with the claims. However, our available electricity, has been brought in to us by the R.E.A., to the vicinity of the house and buildings, on the Northeast end of the mining property.

It will be necessary to have these power lines extended and made available to all of the mine workings- a distance of approximately three quarters of a mile, to carry out exploratory operations.

With exception of the old, original (watered shaft), I have financed and completed what developement work has been done to date, which comprises considerable surface clearing and leveling by dozer, one tunnel about forty feet in length, one vertical shaft- 30 Feet in depth, one inclined tunnel about 40 feet in depth, and various test pits and cross cuts on the vein throughout the area.

A five room dwelling has been constructed, a two car garage, machine shed, and a tool house. We are just beginning the pouring of a cement floor for a blacksmith shop for tools, machinery, etc.

Considerable lumber is stacked ready for the project, to be contributed as a part of my contribution toward exploration. Also all necessary mining, hand tools, tractor, pumps, msc. hardware, and the like. Other lesser materials, to numerous to mention, are likewise available, along with what we can obtain by the time work begins.

As regards the Geology and Ore Prospects in the area-

As early as 1939, we began prospecting in this area because of evident ore indications.

After quite thoroughly prospecting the claims since that time, we have come to the conclusion, that an exploratory program would be a profitable venture to both the government and ourselves. We believe that proven ores can be exposed within a comparatively short time of exploration. We believe we are that close to the realization of profitable ores and the beginning of mining operations.

The main lode, which appears to be a fissure filling, and accompanying paralell veins throughout the area, strikes at an angle across the valley (N.E.-S.W.), and flanking a highly shattered area of limestone, quartzites, grano-diorite, slates, and shales. They have been forced up by tremendous pressures that have tilted huge areas to the West and Northwest at about a 45 degree angle.

These highly shattered rocks strike for about three miles (S.W.-N.E.) then terminate in a volcanic cone blowout, with accompanying basalt columns and acres of basalt. The vein flanking this area appears to be quite well mineralized as a consequence, and may contain interesting findings.

The principal country rock apparent from the surface of the claims, are quartzites, slates, and dolomitic limestone. However, granites and feldspar are present throughout and a large mass of hornblende diorite, crosses and flanks the main vein throughout the central areas. It is for this reason that the centrally located shaft at L, (on sketch), appears to be the logical point to begin exploration. Subject to your approval.

The majority of the minor veins seem to strike approximately paralell with, some dipping beneath the main lode, in some areas, and others, form-junctures with, and striking across, in other places.

From indications in the present workings and samples recovered from the old dump at the original shaft marked (K), on sketch, there are sulfides of lead, zinc, copper, silver, gold, and antimony, present, as you will note from the inclosed assays and from the smelter returns for a small trial shipment made in 1942 to Bunker, Hill, & Sullivan Co.

You will note that one hand sample assayed, ran as high as 20% zinc. Copper samples that I recovered later, that I did not have assayed looked very good.

Considering the fact, that workmen who worked in this shaft, that we have been able to contact, claim that the vein was never drifted into, at depth, because of the death of a Mr.Daly, then in charge of operations, there are good prospects for ore at this point, in depth.

From what information we have been able to gather regarding the work done here, the shaft should be at least 80 feet deep, possibly more. Another rumor, not from workmen, claimed that pitchblende was found in this shaft. I do not believe this to be true, because I have tested the tailings quite thoroughly for radio-activity and there was but little response from materials found on the dump.

It is in this area however, some 300 feet removed, that Monazite with radio-active thorium, and rare earths, crops to the surface for a short distance. The monazite is in granite and feldspar frozen to the vein walls. Its trend is toward the Southwest, and may possibly form a juncture with another highly mineralized vein, of a little known nature, that contacts the main lode not to far from shaft (L), where beginning operations are proposed.

Because of its favorable location, as regards accessability and mineralization, we believe shaft (L), is the logical site to begin exploratory work. The sulphides here lie at the shallowest depth on the claims, approximately thirty feet. Considerable pyrite, pyrhhotite, limonite, and chalcopyrite are exposed in a gangue of quartz and calcite. The shaft being sunk in the vein for exploration, is in quartz about four foot wide at this point.

Because of its centralization and its proximity to mineralized contacts, this shaft should make an excellent place to begin exploration.

Our latest shaft which lies about 1500 feet to the Southwest of shaft (L), identified as inclined shaft (M), on sketch, is an incline which is being sunk at the site of an important transverse vein juncture, on the main lode. It exposes a promising lead, formed beneath the footwall at this point, trend- almost due North, which already has scattered bunches of sulfides exposed along the lead, and good mineralization in the footwall-limestone contact, in slates and argillites. Greenstone serpentine is in predominance above the contact.

The inclosed assay from the Tacoma smelter shows -gold, silver, copper. Minor indications of scheelite, arsenopyrite, and cobalt have been noted.

The shaft is only about 40 feet deep but good mineralization is in evidence and although bearing little resemblance to shafts (K) and (L), we believe that this shaft and area may at some time in the future, prove to be the most valuable on the property.

We left off work here in October with the intention of continuing our work in this shaft in the spring. The vein at this point is somewhat over six feet in width, along with important paralel veins, proving the extension of the main lode over a distance of approximately 3000 feet.

All of the work that we have completed below ground , to date, we have done by hand, drilling and blasting, with exception of the surface work that I had done by bulldozer and tractor.

Good roads have been bulldozed to all shafts and the tunnel, also a good, wide road for haulage out to the highway, one mile to the East. Acres of trees and brush have been cleared off of the claims, and deeded property, so that we now have somewhat over 60 acres cleared and farm crops planted in the fields adjoining the claims.

In the event that additional space and land is needed for expansion for ore bins, timber sheds, machine sheds, and the like, the space is now available.

A mine in the Lakeview District is delivering ore to the Northern Pacific railroad spur, a few miles North of us at Athol, Idaho. They are shipping a high grade slica ore to the Tacoma Smelter for fluxing material, and their trucks return to the Lakeview district empty. There is a custom mill in the area and they could haul any ores we may recover, by return trip for milling and concentrating.

Some time ago, we were able to contact men who some years ago, worked in the old, original working shaft, unwatered since 1916.

One of them - a Mr John Steinbeck, is employed by the Union Oil Co. of Spokane, Wash., in their Service Station, located, I believe at the corner of Boone and Monroe Sts., He, as a Swedish emigrant, earned his first American dollar down in this shaft - (K), last working, I believe, he said at approximately 80 feet depth. He will also testify that he saw considerable gobs of galena in the footwall of the vein while sinking this shaft.

Another, a Mr King, Rural mail carrier of North Bend, Wash., who originally began the shaft, and a Mr Weir, of Ramsey, Idaho, claim that considerable zinc was encountered while the shaft was in process of sinking.

I believe, that all of these men will be happy to verify my statements, as they have all visited with me at one time or another on the premises.

This shaft, we eventually plan to rehabilitate, so that we can explore it completely and drift into the vein at depth, to determine mineral possibilities there. Present finances will not allow for same at this time.

Some evidence of possible scheelite has been encountered in the deepest rocks exposed with minor amounts indicated in flourescent specks under the light, but not of sufficient quantity to be of any value as yet. It is possible that tungsten might be exposed in greater quantity as depth is gained.

It has been reported in the area that some 40 years ago, extremely high assaying float in gold quartz was found in the immediate vicinity, but up until a year ago, we had never had any assays that ran over a trace in gold. Since, however, it has increased in recent assays to .135 oz per ton, in one of our most recent shafts.

From my observations, there seems to be a distinct zoning of minerals along the strike of the lode, in accordance with whatever rock masses are predominating in the given areas. Particularly along the limestone contact along the footwall.

The evidence of siderite in the old dump will probably account for the good lead values in that area.

In the shafts (L), and (M), I have withdrawn whatever timbers were used for protection and support, with the intention of replacing, with all new timbering, as the exploratory work proceeds. The wall-rock stands fairly well but to make the shafts absolutely safe it will be necessary to retimber.

After giving the prospect much study, it is my opinion, that the project should prove of benefit to both parties concerned, the government and myself. If results prove satisfactory, a proven mine in the area, could be of definite benefit to the community and particularly to Kootenai County as well, that holds so many misgivings as to the possibilities of the existance of similar ores as Shoshone County.

I firmly believe, after prospecting much of Kootenai County that there are some areas, which, if given the same extensive prospecting that Shoshone areas have been given, would produce, paying mines on a par with some of the Coeur d' Alene Mining District. Were I financially able to do so, I should like to attempt to disprove some of the opinions of mining men regarding the Kootenai County ore possibilities.

I believe that the lead, zinc, silver, formations that are in evidence just to the North of us, in the Metaline, Northport Districts, are merely the extensions of the same rock masses that pass through the Northeasterly, and central areas of Kootenai County, that lie in contact with the granite batholith of the same area.

That of course, is just my observation, and until some of the same extensive mining proceedures in the way of prospecting, are attempted in Kootenai County- that have been tried in Shoshone County, in little known areas, one will never know, if I am right or not.

In carrying out plans for exploration of the area, our proposed plan covering most of the accessable openings will entail a bit more expense than if the work were concentrated on one given point. However, I believe that it will prove much to our advantage to carry on exploration in at least three areas, because the work that I have already performed has brought the workings to a point, at which rather interesting discoveries should be made possible, without too much expenditure or effort.

The area of the old workings, however, is a different matter, because I feel that it will entail considerable expense to provide a suitable, safe collar, retimbering, cleaning out caved materials, and unwatering same.

It is our intention to make this shaft a main working shaft after all of this has been accomplished and findings warrant same.

Subject to your approval, we submit the following plan of operations for carrying out the exploration:

Proposed plan of exploration-

To continue exploratory work at three points of entry on the main lode that have been begun with that end in view.

Plan I

(Subject to the government's approval) , we should like to begin our exploratory work at shaft (L) , so indicated on the sketch, which contains a considerable amount of pyrite, pyrrhotite, limonite, and chalcopyrite at 30 foot depth. This is as far as we have probed here, to date.

This shaft is being sunk in the vein, about four foot wide at this point. The gangue material being principally quartz and calcite. There is always a possibility of encountering radio- active materials here because of the proximity of a large flanking dike of hornblende schist - Autunite, that proceeds Southwest and contacts and crosses the main lode along this point. Also there is always the possibility of nickel accompanying copper in the same area, along with pyrhhotite.

Plan II

After completion of exploration at this point or simultaneously, we should like to continue our exploration of the inclined shaft (M) , about 1500 feet Southwest of shaft (L). At this point, we are following a promising lead in slates and greenstone serpentine. In the contact with limestone in the footwall, sulfides are beginning to be exposed indicating continuation of values in this area also.

Near surface assays, to 40 foot depth, indicate gold- .135 oz., silver 3 oz. and copper 1.5 % Because we have not assayed new materials encountered we hesitate to say what they are other than that one six inch stringer encountered last September indicated much iron in quartz with minor gobs of what appeared to be cobalt.

The vein at this point, which is cut transversely by contact of another vein is approximately six to eight feet wide, accompanied by what appears to be a series of paralell veins of from 1-3 feet width on the surface. We exposed these outcrops by bulldozing in 53.

This area may turn out to be of most value, eventually.

Plan III

Either simultaneously with, or after completion of the exploration at shafts (L) and (M), it is our plan to continue exploration of the highly mineralized area that lies between the portal of our tunnel and the old original watered shaft. The entire distance of 371 feet to the watered shaft would be too much to attempt on the remaining exploratory loan finances- so that its completion can be considered at a later date.

The wall-rock throughout the entire area is highly altered, and an iron cap gossan, covers the veins to an undetermined depth. A mass of manganitic stained limonite, of deep brown, and black, and other siliceous materials, is what remains of the surface of the vein in this area.

Just adjacent to this tunnel a surface outcrop of Monazite, with rare earths and radio active thorium, outcrops for some twenty feet or so, parallel with another highly mineralized vein, we have not probed as yet. As to the nature of this outcrop, we do not know, however, that can be determined when we are on the ground.

Soapstone-talc accompanies choritic schist and from one to three feet of argillites in the footwall with selvage gouge. Slickensides also are in evidence.

We should like to distribute the units of work in sinking and drifting in proportion to what is deemed best, after exploratory work has been begun on the three separate openings, or elsewhere.

Estimate of working costs and supplies-

Items costing less than $50.00 necessary to exploration project

40 sacks of Portland cement	$50.00
Electric wiring and facilities	$50.00
Hardware - shaft bolts, fittings, msc. etc.,	$50.00
Metal pipe and fittings	$50.00
Flexible hose and fittings	$50.00
Blacksmithing	$50.00
Timber, and framing saw equipment	$50.00
Inter com. and signal system	$50.00
Rail and fittings	$50.00
Hoisting apparatus	$50.00
Skip and bailing set up	$50.00
Dump car and bucket	$50.00
Jackhammer and Hose	$50.00
Building repairs	$50.00
Power poles, lines, and meters	$50.00
Drill steel, bits, etc.	$50.00
Total -	$800.00

Materials essential to project, costing over $50.00

Explosives, primers, detonators -	$150.00
Fuel, oil, lubricants	$250.00
Machinery rental - comprsser, sinking pump, etc.	$600.00
Machinery repairs -	$200.00
Total -	$1200.00
Total Materials-	$2000.00
Labor -	$3000.00
Grand total -	$5000.00

Units of Work to be completed-

Sinking operations - 70 feet at $50.00 per foot advance-	$3500.00
A. To be accomplished by applicant or submitted to private contractors-	
Drifting operations - 40 feet at $30.00 per foot advance-	$1200.00
Bull dozing operations - 30 hours at $10.00 per hour -	300.00
Grand total -	$5000.00

May it be understood that the above unit work program be subject to change when agreeable to both parties after the exploration work has begun, when findings deem advisable to the continuance of one form of operation more than the other.

With your cooperation and permission, I should like to attempt the supervision of the project until such time you deem it advisable to change to other.

A few of the above items are included to make possible the carrying out of operations simultaneously if so desired when work begans.

It is our wish that a maximum of unit work may be accomplished and possibly more, with the finances available, to make possible a thorough exploration of the areas in question.

Since I have been responsible for what developement work has been accomplished to date, and because I am thoroughly familiar with all of the exploration work in all openings with exception of the original, watered, shaft- with your permission, I would like very much to carry out further exploration of the area.

If, after some months we discover that we are not making sufficient advance, in unit work, we can rush the work to completion by letting the balance to private contract.

I shall be honest in stating, that I am not a mining engineer, and have had no schooling in such, but I believe I understand quite thoroughly the geological aspects of rock associations and mineral formations.

I am not an experienced miner, possibly, more rightly termed , a prospector, however, I believe, that with capable assistance, I can carry out the project to your satisfaction.

Aside from unknown difficulties, that can always present themselves in this type of work, we should be able to carry out a pretty thorough investigation of ore possibilities in the area, within the time allotted by the contract, unless some unforeseen obstacle presents itself.

I can only assure you that I am sincere in my interest in this exploration and will pledge my utmost cooperation to carry the program to completion.

I should like to have it understood however, that because I have religious convictions against carrying on, any labor, on Saturday, the seventh day of the week, which I regard as my day of rest., that I retain the right to see that no work of any nature- (with exception of emergency), is carried on from sundown Friday night- until sundown Saturday night, on our property.

Because of my experience with men who smoke or drink, I can use neither on the job. Our house, and grain fields, barely escaped destruction by fire on two different occasions the past two summers- because of thoughtlessness on the part of smokers - ~~one of them my brother~~, so I am making it a hard, fast rule to be abided by, by any men who work for me, hereafter.

My contribution toward the project, will have to be what equipment I have available, in the way of all tools necessary to hand mining, tractor, two gas powered pumps, considerable lumber,- I believe sufficient for complete cribbing of both sinking and drifting operations, and possibly the same in timber to complete the project. Other essentials, I can add to the list before the date of the beginning of the contract.

Whatever help is necessary to the work, we can house with my wife and I , if permanently attached to the job, or make provision for same.

I fully realize that the loan will not make possible the completion of all of the exploratory work we would like to accomplish, particularly in regard to shaft (K), because I know that it is going to cost considerably more than what is available in this loan to unwater, clean out caved matter, timber to 80 feet, to make safe for exploration, etc. in this shaft. However, there should be sufficient to carry out exploratory working plans -1,2,& 3., and if we are conservative, as we mean to be, reach a maximum of unit work toward the accomplishment of that goal.

It is for this reason that we are asking the privilege of dividing the units of work specified in the contract, according to what the Government and ourselves, deem best as the exploratory work progresses. If, for example, our first venture at shaft (L), proves of sufficient importance in our findings, that all of the work be done there, may that be the case. Further, if any other of the openings, appears of equal importance , may that also be the case -or equally divided between the three points of entry on the vein.

Possibly there are questions I have failed to answer relative to my application. If there is - please notify me and I shall try to complete same.

Thanking you kindly for your consideration in the matter , I remain,

Very sincerely yours,

D. J. Hegstad

Maps

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

~~OFFICIAL BUSINESS~~

~~U. S. GEOLOGICAL SURVEY~~
~~SOUTH 157 HOWARD ST.~~
~~SPOKANE 7, WASHINGTON~~

PENALTY FOR PRIVATE USE TO AVOID
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Maps

~~Mr. George C. Selfridge~~
~~Chairman, Operating Committee~~
~~Defense Minerals Explor. Admin.~~
~~Department of the Interior~~
~~Washington 25, D. C.~~