DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3367

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This document has been recorded as

Exploration Assistance

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

Cys to USBM & USGS

Routing Slip

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

December 8, 1954

Memorandum

To: Operations Control & Statistics Division

From: Chief, Base Metals Division

Subject: Withdrawal of Application Docket No. DMEA-3367, Orrin B. Hart, Copper Glance Group, Park County, Montana (copper-lead-zinc)

Will you kindly withdraw the cited application from the active files. We have been advised by the Field Team (Weissenborn's letter of November 18) that the Applicant has failed to supply the necessary information in spite of repeated requests.

W. R. Griswold

W. R. Griswold

Withdrawn
11-30-54

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

December 8, 1954

Memorandum

To: Operations Control & Statistics Division

From: Chief, Base Metals Division

Subject: Withdrawal of Application Docket No. DMEA-3367, Orrin B. Hart, Copper Glance Group, Park County, Montana (copper-lead-zinc)

Will you kindly withdraw the cited application from the active files. We have been advised by the Field Team (Weissenborn's letter of November 18) that the Applicant has failed to supply the necessary information in spite of repeated requests.

W. R. Griswold

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

RECEIVED
NOV 22 1954

November 18, 1954

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

Re: Docket No. DMEA-3367 (copper-lead-zinc)
Orrin B. Hart
Copper Glance Group
Park County, Montana

Dear Mr. Selfridge:

Reference is made to the above-captioned application for exploration assistance.

On July 12 and October 4, 1954, we wrote to Mr. Hart with regard to additional information needed to process his application. As we have not received the requested information, we assume that he is no longer interested in obtaining Government assistance in the exploration program at the captioned property. We are, therefore, recommending that the application be transferred to the inactive files and closed.

Sincerely yours,

A. E. Weissenborn

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

cc: USBM(2)
Nickelson

XXXXXXXXXXXXXXXXXX
So. 157 Howard Street
Spokane 4, Washington

October 4, 1954

Mr. Orrin B. Hart
Box 162
Joliet, Montana

Re: Docket No. DMEA-3567 (copper-lead-zinc)
Copper Glance Group
Park County, Montana

Dear Mr. Hart:

Please refer to our letter of July 12, 1954, and to previous correspondence regarding your application to explore your Copper Glance property under a defense minerals exploration loan.

Before we can process your application further we will need the information requested. Unless we receive this by November 15, 1954, we will conclude that you have no further interest in applying for assistance.

We would appreciate an immediate reply as to your intentions.

Very truly yours,

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

cc: USBM (2)
DMEA (2)
Nickelson

XXXXXXXXXXXXXXXX
So. 157 Howard Street
Spokane 4, Washington

October 4, 1954

Mr. Orvin B. Hart
Box 160
Joliet, Montana

Re: Docket No. DMEA-3367 (copper-lead-zinc)
Copper Glance Group
Park County, Montana

Dear Mr. Hart:

Please refer to our letter of July 12, 1954, and to previous correspondence regarding your application to explore your Copper Glance property under a defense minerals exploration loan.

Before we can process your application further we will need the information requested. Unless we receive this by November 15, 1954, we will conclude that you have no further interest in applying for assistance.

We would appreciate an immediate reply as to your intentions.

Very truly yours,

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

cc: USBM (2)
DMEA (2)
Nicholson

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

July 12, 1954

Mr. Orrin B. Hart
Box 162
Joliet, Montana

Re: Docket No. DMEA-3367 (copper,lead,zinc)
Copper Glance Group
Park County, Montana

Dear Mr. Hart:

This will acknowledge receipt on July 2, 1954, of your letter containing additional information on your property.

I am afraid that you do not yet understand just how the Defense Minerals Exploration Administration works, and therefore I am enclosing a booklet which has been prepared to describe the program. I am sorry that so much correspondence has already been exchanged without sending you this booklet. It is recommended that you read the whole booklet, giving special emphasis to items III, 12, 13, 22, 24, 47, and 54. Reasons why we have not yet made a field examination of your property are outlined below.

A letter to this office from our Washington office mentions a number of points which should be cleared up before a field examination should be made. A letter covering these points was sent to Mr. Parcells June 21, 1954, and a copy of this letter was sent to you on June 29, 1954. Your letter, received here July 2, 1954, unfortunately does not clear up the points raised in the letter of June 21, 1954. At least some of these points are outlined below, itemized according to the paragraphs in our letter to Mr. Parcells of June 21, 1954.

2. Where is the proposed drifting to be done? If done from the bottom of the proposed 300-foot shaft, the work would probably take longer than the two-year limit placed on these projects.

3. Many of the proposed costs as submitted cannot be accepted by the Government. Such things as the cost of trucks for hauling out ore already mined are completely outside the scope of DMEA.

A rough estimate of the cost of the proposed work comes to $100,000. It must be pointed out that DMEA does not make outright loans. It enters into contracts with operators; the operator does at least a month's work, submits a voucher, and in about a month gets, in the case of lead, zinc, or copper, 50 percent of the costs back. Therefore, because of this arrangement the operator should have about 50 percent of the total cost of the project available.

4. This paragraph points out that the small amount of equipment available on the property would hardly take care of the operator's share of the expense of the project.

5. This paragraph points out the serious doubt that enough ore could be produced during exploration to take care of the operator's share of the expense of the project. The DMEA has had considerable experience in this connection, and has seen projects stop because the operator ran out of funds, having expected to get the funds from ore produced during the exploration. As is pointed out in this paragraph, of over 180 DMEA contracts not one has produced enough ore from exploration headings to pay the operator's share of the expenses.

Also pointed out in this paragraph (and is mentioned above), all operators must be prepared to carry on the first two months of the project entirely on their own funds.

6. This paragraph points out that, although we realize that you want to do the proposed work, unless you are prepared to contribute 50 percent of the costs of the work, which we estimate will amount to about $50,000, it would be better if you withdrew the application. The DMEA does not check up on the financial status of applicants, but it is expected that when an applicant signs a contract, he, in essence, states that he has available his share of the proposed expenses.

I might here quote the first sentence from page IV of your last letter. "I have already done all the necessary exploration work need be done, and all I ask is where I may ship my ore to, and to whom to look to for payment of my ores." We do not believe that this is exactly what you mean, inasmuch as you have submitted an application to DMEA and the purpose of our work is exploration. If it is so, however, then presumably you do wish to withdraw your application. Regarding your question as to where to ship your ore, that depends upon the type of ore you have. If it is lead, copper, or zinc ore, I suggest that you write to the Anaconda Mining Company, Butte, Montana, and the American Smelting & Refining Company, East Helena, Montana, for their smelter schedules, as they are the ore buyers closest to your property. The smelter makes payment on your ores if it is acceptable. If you wish to ship uranium ore, you should get in contact with the U. S. Atomic Energy Commission, Box 30, Ansonia Station, New York 23, New York, as Mr. P. L. Weis wrote you on April 12, 1954.

If you still desire to go ahead with your application, I suggest that you let us know, and we will send a man who will talk with Mr. Parsells and you about the application, and who will then make a field examination of your property if that appears warranted.

Sincerely yours,

John S. Vhay
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: DMEA (2)
USBM (2)
Geologist

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

June 2[illegible], 1951

Docket
Stockwell
Betty

Mr. Orrin [illegible] Hart
Box 152
Joliet, Montana

Re: Docket No. [illegible]-3867 (Copper-Lead-Zinc)
Former Defense Minerals
Park County, Montana

Dear Mr. Hart:

In reply to your letter of June 2[illegible], 1951, we have very recently written to Mr. Marcellis on your behalf outlining the further information which we require before we can examine your property near Horse Lake. A copy of this letter is attached for your information.

I am returning herewith the letter from Mr. Marcellis which you sent to me for the return of which you requested.

Sincerely yours,

[illegible] Weissenborn
Executive Officer, [illegible]
Field Team, Region [illegible]

Enclosures
cc: [illegible](2)
[illegible](2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
[illegible] 17[illegible] Howard Street
[illegible] Francisco [illegible]

Mr. [illegible] Parcells
Columbus
Montana

Re: Docket No. MEA-23[illegible]
Orrin E. Hart
Park County, Montana

Dear Mr. Parcells:

Reference is made to the DMEA application submitted by Mr. O. E. Hart, which was forwarded to our Washington office in early May of this year. We have since received a letter from the Washington office requesting us to secure additional information from the applicant before scheduling a field examination of his property.

There are several points of the proposed exploration work that are not clear to us. For example, where is the proposed drifting to be done? Will it be from the outcrop, by extending one of the existing tunnels, or from the proposed shaft? This item is important, as it will effect the time limit of the contract which is not to exceed two years. Assuming the shaft would be sunk first, and assuming a rate of advance of a foot per day, which might be low but which is not too far from what should be expected of a small operation, the better part of a year would be expended in these sinking operations. That would leave only one year for the drifting operations, which might not be enough for 1,500 feet of drifting. This is assuming that year-round operations will be maintained, which might be difficult, if not impossible, at the mine. Of course, if drifting and sinking were concurrent, the 2-year limit might be enough time.

Another item to be considered is the estimated cost of the project. It is difficult for us to evaluate the costs as submitted in the application. Certainly many of the proposed costs such as purchase of dump trucks, extensive surface buildings, some of the labor and the excess supervision costs cannot be accepted by the Government. We could participate only in the exploration costs and in a minimum of necessary direct overhead costs. If the contract is for lead and zinc, we would participate in 50 percent of the costs;

if the property were found to contain enough uranium we might be able to participate in as much as 75 percent of the costs. As we now understand the application, we would estimate the proposed work to cost a minimum of $100,000, and we can understand the difficulty the applicant might have in participating in such costs.

We are concerned with the applicant's statement that he intends to finance the project by use of his equipment and from the sale of ore. We do not know what equipment is owned by the operator but we seriously doubt if it is enough to in any way compensate for his share of the costs. In contracts where the operator's equipment is used, we estimate the value of the equipment, assuming that it will be worn out in 5 years, and then allow him 1/60th of the value each month as a depreciation rate, which is the same as a rental rate. In other words, if the operator has $1,000 worth of equipment that is used on the project he could apply $16.66 each month toward his share of the exploration costs. As you can readily see, such an amount would not go very far toward his contribution to the project expenses, even though he might have a considerable amount of equipment.

There is also serious doubt that the applicant will be able to produce enough ore from exploration headings to pay part of his expenses. Although we have been in business with more than 180 DMEA contracts, we have not seen a single one that has produced enough ore from exploration headings to pay the operator's share of the expenses. We would suggest that Mr. Hart consider funds raised from the sale of ore as an added income but that he not consider such funds as being adequate to pay his share of the expenses. In fact, he should be sufficiently financed to pay at least the first two months' exploration costs because the Government will not pay him except for work already done. This is accomplished by having the operator submit a report on the work completed each month together with receipts of costs incurred. With this information on hand, the Government will pay its proportionate share of the costs. As it takes about one month's time to get payment on a monthly report, it is suggested to all operators that they be equipped to pay all contract expenses for at least the first two months of operations.

We understand how badly the applicant wants to explore his property; however, unless he is prepared to contribute 50 percent of the costs of the program, which, to do the proposed work, will amount to an estimated $50,000, we suggest that he withdraw his application.

Your comments on this proposal will be appreciated.

By Field Team, Region II

Wing G. Agnew, Acting Executive Officer
U. S. Bureau of Mines

Thor H. Kiilsgaard, Acting Member
U. S. Geological Survey

cc: DMEA (2)
USBM (2)
Geologist

File Copy
Surname

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

JUN 15 1954

Mr. Orrin B. Hart
Box 162
Joliet, Montana

Re: Docket No. DMEA-3367 (Copper-Lead-Zinc)
Copper Glance Claims
Park County, Montana

Dear Mr. Hart:

Your letter of June 8, 1954, to Mr. Robert E. Adams, regarding your application for Government assistance on an exploration project for your Copper Glance claims, has been referred to this office for reply.

On June 7, we wrote you that the matter had been referred to the Region II Field Team for further information. We feel sure that you will hear from them shortly.

Sincerely yours,

W. R. Griswold

6-15

W. R. Griswold, Chief
Base Metals Division

WRGriswold/bjl (6/15/54)

Copy to: Docket
Base Metals
Region II (2)
Chron.

Department of the Interior DMEA-3367
Washington 25. D.C.

Robert E. Adams June 8th 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 10 1954

Chief Operations Control and Statistics Division

Dear Sir; I have at my Goose Lake mines on Dump. And I have sent to the Defense Minerals Administration, a Fair Sample of the Ores, 12 lbs By Mail Insured and I have not Heard a word from it. - Also I sent Maps Discription and every thing they asked for and I will send you a Photo of myself and Car and the Brick and Goose Lake Basin and I am very desirous to know if you Ever Received Same at your Head Quarters Sample Marked; No 2 from A.B. Hart Box 162 Joliet Mont

I have at the mines 3 or 4. - 40 tons R.R. Cars of the Same; and I wish to dispose of Same as soon as I can. Where and to Whom may I ship this Ore too By R.R. - V.P. Here.

Also send me Blank Contracts I may Fill out and send to you. So I can Sell my Ores Yours very truly

P.O. Box 162. A.B. Hart Joliet Mont

See reverse side of ~~co~~ picture

Dump of Copper Queen
Mine Douglas Shannon
Apache side

Dump ◎ above the
Pin Point of the
Circle on other side

Abbott
owner
Prospector of

1st Group on Rock
Ground Northeast
Side of Lower Roofer
10,500 feet above Sea
Level

File Copy
Surname
Griswold
Selfridge
H Johnson

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

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

JUN - 7 1954

Re: Docket No. DMEA-3367 (Copper-Lead-Zinc)
Orrin E. Hart
Copper Glance Claims
Park County, Montana

Dear Mr. Weissenborn:

This will acknowledge your letter of May 19, with enclosures, referring to the cited application.

While you state that you doubt very much if anything would be gained by further correspondence with the Applicant, the fact remains that the information submitted is of such a cursory nature that it is quite out of the question to even attempt to evaluate the project.

We are enclosing copies of the memorandums of the commodity members. From such information as they have available, it appears that the property may contain gold and silver, and but little else. We feel that you should write this Applicant explaining in detail the additional information which you require in order to determine if the expense of a field examination is justified. Also, please explain to him that the Government can only undertake 50 per cent of the expense of such projects and that we should have some assurance that he is able to defray his share of the project expense. Also explain to him that he must be prepared to carry the entire cost in the initial stage until Government funds become available. Under no condition could we enter into a contract with an applicant whose only resource is the anticipated revenue from sales of ores which might be encountered during the progress of the work.

Sincerely yours,

George C. Selfridge (JHB)
Chairman, Operating Committee

WRGriswold/bjl (6/3/54)
Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Gildersleeve
Mr. Johnson (C.H.
E Chron.

Enclosures 2

APPROVED:

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

D. M. Larrabee (JHB)
Member, Geological Survey

R.C.S.

File Copy
Surname

Surnamed
Larrabee
Hedges
Selfridge
J. Johnson

500

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

JUN - 7 1954

Mr. Orrin B. Hart
Box 162
Joliet, Montana

Re: Docket No. DMEA-3367 (Copper-Lead-Zinc)
Copper Glance Claims
Park County, Montana

Dear Mr. Hart:

Your application for Government assistance to explore the property of the Copper Glance claims, Docket No. DMEA-3367, has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration, and has been referred for further information to:

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

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WRGriswold/bjl (6/3/54)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Gildersleeve
Mr. C. H. Johnson
Region II (2)
Chron.

R.C.G.

IN REPLY REFER TO:

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

June 1, 1954

Memorandum

Re: DMEA-3367
Copper Glance Claims
New World District
Park County, Montana
Copper, lead, zinc

To: Mr. W. R. Griswold, DMEA

From: E. L. Newcomb, USGS

Subject: Review of application

The applicant proposes to sink a 300-foot, two-compartment shaft and to drive 1500 feet of drift. All of this work, according to the applicant, would be in ore. As described by the applicant, this project is development rather than exploration.

From the limited data submitted, it is impossible to make a firm recommendation on this application.

The results of the geological examination by T. S. Lovering in 1922-23 were published in 1930 in USGS Bulletin 811-A, The New World or Cooke City mining district, Park County, Montana. A brief description of the Copper Glance claim is included in the report. The following information was excerpted from Lovering's report:

1. Two adits have been driven in pre-Cambrian granite, exposing a quartz-sulfide vein.

2. The vein is about 10 feet thick where the lower adit cuts it.

3. No ore was shipped as concentration will probably be needed to provide shipping grade ore.

4. Galena and sphalerite are disseminated in a quartz gangue.

5. Four 20-inch holes gave the following reported results - 0.61 oz. gold, 1.62 oz. silver and 0.3% lead.

The argentite reported to be on the dumps by the applicant is not mentioned by Lovering.

I recommend the application be referred to the field team. However, they should determine the competence and financial resources of the applicant before making an actual property examination. If further exploration appears to be warranted, a more realistic and appropriate project should be discussed with the operator.

E. L. Newcomb

E. L. Newcomb
Geologist

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

May 26, 1954

Memorandum

To: E. W. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3367 (Copper) Orrin B. Hart - Copper Glance Group, Goose Lake Area, New World Mining District, Park County, Montana

I have reviewed the above-named application. The application is so incomplete as to furnish no basis for appraisal, but it probably would be useless to endeavor to obtain any further worthwhile information from the applicant. There is some uncertainty about the precise ground that is covered by the application, but it is probably, in part, that described as the Copper Glance claim in Geological Survey Bulletin 811A, "The New World or Cooke City Mining District, Park County, Montana", by T. S. Lovering. That report was based on studies made in 1922-1925. At that time, the owner was O. B. Hart and the claim was said to lie on the southwest shore of Goose Lake. Pertinent parts of the report on this claim follow: "Two adits have been driven close together in the pre-Cambrian granite, exposing a quartz sulphide vein striking about north 50° east ..... The vein, which crops out very inconspicuously if at all, is about 10 feet thick where the lower adit cuts it. No ore has been shipped and indeed it is probable that concentration will be needed to provide ore of shipping grade ..... Many inclusions of granite penetrated by small veins of quartz indicate that the deposit might be regarded as a sheeted zone rather than a single vein. Medium-grained galena and sphalerite are disseminated through the lead but assays of the cuttings from four 20 inch drill holes - two on the hanging wall and (two) on the foot wall side of the vein - gave the following results: Gold, 0.61 ounce to the ton, silver, 1.62 ounces to the ton, lead, 0.3 percent."

It is perhaps worth noting that a Bureau of Mines report on another copper property at the north end of Goose Lake, owned by W. Hart and known as the Copper King, which was examined by a Bureau of Mines Engineer in August, 1948, states that snow-free access into the area is limited to not more than six weeks during the year.

My inclination would be to recommend field-team referral with discretion whether or not to make an actual field examination. If the applicant is consulted, an endeavor should be made to ascertain clearly just what ground he has in mind, how good his title is, what his capabilities are and how he expects to get money, as he has little or no equipment of any consequence to contribute. I note that the application says he expects to sell ore in order to finance part of his share of the cost.

The application is returned herewith.

C. H. Johnson

C. H. Johnson

Attachment

Copy to - Mr. Newcomb, U.S.G.S.
Minerals Division
C. H. Johnson (DMEA File)
Files

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

May 25, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region II

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region II.

DMEA - 3367 Orrin B. Hart

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

Mr. Orrin B. Hart
Box 162
Joliet, Montana

May 25, 1954
Subject: DMEA-3367
Re: Exploration Assistance

Dear Sir:

The receipt of your application dated 5/7/54 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3367 and referred to the Base Metals Division.

Kindly refer to DMEA-3367 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.~~
So. 157 Howard Street
Spokane 4, Washington

May 19, 1954

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

Re: DMEA application
Mr. O. B. Hart
Box 162
Joliet, Montana

Dear Mr. Selfridge:

Enclosed are the original and 2 copies of an application for a DMEA contract, submitted by Mr. M. L. Parcells, an attorney-at-law, acting for the applicant, Mr. O. B. Hart. One copy of an original map accompanied the application. This map has been printed and copies are attached. One copy of the application has been retained for the files of this office.

The application is rather indefinite. It proposes to explore for a number of minerals by sinking 300 feet of shaft and by 1,500 feet of tunnels. The applicant proposes to furnish his share of the cost by the use of his equipment and by the sale of ore produced during exploration.

The applicant's property is briefly described in U. S. Geol. Bull. No. 811, page 74. We do not have copies of the Atomic Energy Commission reports referred to in Mr. Parcells' letter.

We understand that Mr. Hart is something of an eccentric, and we doubt very much if anything would be gained by further correspondence with him on this application. We shall, therefore, await further instructions from the Operating Committee before conducting a field examination of the applicant's property.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
Acting Member, DMEA
Field Team, Region II

Enclosure
cc: USBM (2)

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

May 19, 1954

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

Re: DMEA application
Mr. O. B. Hart
Box 162
Joliet, Montana

Dear Mr. Selfridge:

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Sincerely yours,

Thor H. Kiilsgaard
Acting Member, DMEA
Field Team, Region II

Enclosure
cc: USBM (2)

M. L. PARCELLS
ATTORNEY-AT-LAW
COLUMBUS, MONTANA

May 8, 1954

Mr Wing G Agnew, Member
DMEA Field Team, Region II
1201 N Division St
Spokane 2, Washington

Dear Mr Agnew:

As requested by Mr Hart, I enclose herewith four copies of his application for aid in an exploration project, pursuant to DMEA order No 1, under the defense production act of 1950, as amended, together with map of Goose Lake and surrounding locations, including those on which Mr Hart is seeking a development loan.

As a matter of information, a Mr Tom Lovering made a survey of this property in the summers of 1927 and 1928.

The property was inspected by Mr Donald Hetland of Butte, Montana, with the atomic energy commission, in August of the years 1952 and 1953.

It was also inspected by a Mr Floyd J Williams of Salt Lake City, Utah, with the atomic energy commission, in August of the year 1952.

If anything further is required, kindly advise and will try and see that Mr Hart furnished same promptly.

Yours respectfully,

M L Parcells

MLP:ldl
cc: Mr O B Hart
Joliet, Montana

RECEIVED
MAY 12 1954
U. S. G. S.
SPOKANE, WASH.

Acc letter to Hart 5/14/54

DMEA-3367
Copper, et al.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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:
Orrin B Hart, Box 162, Joliet, Montana.

(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.
Individual.

(c) If a corporation, add to above statement, title, names and addresses of officers.
(Does not apply)

(d) If a partnership, add to the above stetement the names and addresses of all partners.
(Does not apply)

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 papers, 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, DC, or with the nearest field executive officer thereof.

3. Applicants 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:
Unpatented Quartz Lode Mining Claims with tunnel and mill site as shown and described on Exhibit "A" attached to and made a part hereof.

(b) State any mine name by which the property is known.
(See attached Exhibit "A")

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise:
Original location and owner of record.
(See attached Exhibit "A")

(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:
(Does not apply)

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MAY 12 1954
U. S. G. S.
SPOKANE, WASH

(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.

(See attached Exhibit "A")

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:

See Exhibit "B" attached to and made a part hereof.

(b) State past and current production, and ore reserves, if any, giving quantities and grades:

Approximately 200 tons of agrentite ore on dump, assaying approximately $32.00 per ton, exclusive of uranium content.

(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:

True fssure pegmatite vein from 9 to 20 feet in width exposed on surface;
Tunnel 200 feet in length on main lead
(See map enclosed herewith).

(d) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points:

10 miles due north of Cooke, Montana, which is 65 miles by U S Highway to Gardiner, Montana, shipping point on Northern Pacific Railroad, and 67 miles by U S Highway No 12 to Red Lodge, Montana, shipping point on Northern Pacific Railroad.

(e) State the availability of manpower, materials, supplies, equipment, water, and water power:

Manpower available through State Employment Agencies;
Materials readily available with sufficient timber for mining purposes within 2½ from location;
Equipment to be purchased or contracted;
Water at mine location;
Power from water right for 1440 inches per second of time at Goose Lake and Goose Creek as heretofore filed and recorded.

5. The exploration project.

(a) State mineral or minerals for which you wish to explore:

Copper, gold, silver, lead, zinc, titanium and uranium.

(b) Describe fully the proposed work, including a map or sketch of the property showing a plan (and across 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:

Sink double-compartment shaft 6 x 12 fee, 300 feet in

ore and disposal of contents therefrom, as well as from mining operations.

Approximately 1500 feet of 5 feet by 7 feet tunnels (3), the proposed exploration work to consist of mining and shipping ore therefrom to Salt Lake City, Utah, or other available marketing points.

(c) The work will start within _____days and be completed within _____months from the date of an exploration project contract:

Work will start within 30 days after funds available.

(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:

Prospecting in vicinity since 1906 with 50 years mining experience, and will procure experienced supervision of operations.

6. Estimate of costs. - - Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate shee), under the following headings. Add the totals under all headings to give the estimated total cost of the project;

(a) (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 (such as per foot of drilling, per foot of driftihg, per hour of bulldozer operations, per cubic yard of material moved, etc.):

Will contract, if possible to do so, at around $35.00 per foot of double compartment shaft to be sunk on ore all the way down.

(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:

1 Superintendent	$6,000.00	annually
1 Assistant Superintendant	5,100.00	Annually
6 Laborers	12.00	per day
1 Carpenter	20.00	per day
1 Mechanical engineer	20.00	per day
3 Truck drivers	15.00	per day
1 Cook	15.00	per day
1 Chore boy	5.00	per day
1 Attorney at law	50.00	per month
Employer's FICA tax, 2% of current payroll		
Premium on Workmens Compensatinn Insurance	$3,000.00	annually

(The above figures are estimates)

(c) Operating materials and supplies. -- Furnish an itemized list, including items of equipment less than $50.00 each, and power, water and fuel.

Groceries	$ 900.00	per month
Gas and oil	1,000 00	per month
Miscellaneous items	500.00	per month

(The above figures are estimates)

Gasoline for generating electric power; water and fuel available on premises.

M. L. PARCELLS, ATTORNEY, COLUMBUS, MONTANA

(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:

Following items to be purchased:

2 Dump trucks, 4 wheel drive -------	$2,500.00	each
400 feet 2-inch pipe for air, couplings included ----------	2,800.00	
400 feet 2-inch pipe for water, couplings included ----------	2,800.00	
1 Air compressor, 2 stage ----------	3,000.00	
200 feet air hose, 2½ inch, in 50 foot lengths, couplings, etc ----	165.00	
2000 pounds of explosives, caps and fuse ----------	6,000.00	
Pipe wrenches ----------	20.00	each
Nails and spikes ----------	15.00	per keg
Blacksmith outfit ----------	50.00	
Mine cars and rails ----------	400.00	
2 Fuel storage tanks ----------	200.00	each
1 Knowles sinking pump, 2 inch discharge ----------	1,000.00	
1 Vise ----------	167.00	
Office equipment ----------	1,000.00	
Cooking equipment ----------	500.00	
Miscellaneous ----------	1,000.00	

(The above figures are estimates)

(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:

(Does not apply)

(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:

Bunk house ----------	$5,000.00	
Cook shack and mess hall ----------	5,000.00	
Office ----------	2,000.00	
Hoist building ----------	1,500.00	
Mine timbers ----------	75.00	per 1000

The above figures are estimates)

(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:

Due to the fact most of the equipment will be new, and development on a large scale has not as yet been started, it would be very difficult to give anywhere near an accurate answer to this question at this time.

Employers FICA tax and employers liability insurance are referred to in item 6 (b).

M. L. PARCELLS, ATTORNEY, COLUMBUS, MONTANA

(h) Contingencies. -- Give an estimate of any necessary allowances for contingencies not included in the costs stated above:
$5,000.00

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 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: No. Use of equipment owned by you: Yes. Other: Sale of ore.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, 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 this 7th day of May AD 1954

Orrin B. Hart
Applicant.

EXHIBIT "A"

THE FOLLOWING CLAIMS ARE IN THE COPPER GLANCE GROUP OF QUARTZ LODE CLAIMS AT GOOSE LAKE, ALL SITUATED IN THE NEW WORLD (Unorganized) MINING DISTRICT, IN PARK COUNTY, MONTANA:

COPPER INDEX QUARTZ LODE MINING CLAIM, joined on the north by the Copper Sentinel Quartz Lode Mining Claim, on the east by the OBW & Mountain Queen Quartz Lode Mining Claim, on the south by the Watter Loo Quartz Lode Mining Claim, on the west by Goose Lake, and being described as:

Beginning at northeast Corner No 1, which a monument of rock, rock set in ground marked N.E C No 1 C.I. and running thence;

First Course: Direction, southerly, distance 1500 feet to southeast Corner No 2, which is a rock and monument marked S.E.C. No 2 C I and running thence;

Second Course: Direction, westerly, distance 600 feet, to southwest Corner No 3, which is a monument of rock marked S-W-C. No 3-C I and running thence;

Third Course: Direction, northerly, distance 1500 feet to northwest Corner No 4, which is a rock and monument marked N.W.C. No 4, C I and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to Corner No 1, the place of beginning;

Filed for record April 20, 1917 at 10:30 AM and recorded in Book 24 of Lode Locations, at page 24 of the records of Park County, Montana.

COLUMBIA EXTENSION QUARTZ LODE MINING CLAIM, joined by the North Star Quartz Lode Mining Claim on the west, Columbia Quartz Lode Mining Claim on the south and is a relocation of the Eureka and Old Faithful Lode Claims, and being described as:

Beginning at northeast corner No 1, which is a monument of rock, a rock marked N-E-C. No 1 C-A. E-X and running;

thence southerly 1500 feet in a southerly direction to corner No 2, which is a rock monument, rock marked S-E-C No 2 C-A Ex. and running;

thence westerly 600 feet to corner No 3 which is a rock monument, rock marked S-W-C. No 3 - C-A E-X and running;

thence northerly 1500 feet to corner No 4 which is a rock monument, rock marked N-W-C No 4 C-A E-X and running;

thence easterly 600 feet to northeast corner No 1, the place of beginning;

this claim is a relocation over the Eureka Lode Claim partly and over the Old Faithful, also the Columbia is on the south a relocation over the Lost Out There being no such claim any longer as the Lost Out.

Filed for record February 14, 1921 at 11:30 AM and recorded in book 13 of Lode Locations, on page 122 of the records of Park County, Montana.

LONE STAR QUARTZ LODE MINING CLAIM, joined on the north by the North Star Quartz Lode Mining Claim, on the east by the Columbia Quartz Lode Mining Claim, on the south by the Copper Glance Quartz Lode Mining Claim, on the west by the Rising Sun Quartz Lode Mining Claim, and being described as:

Beginning at northeast Corner No 1 which is a monument of rock and distant from the discovery cut and tunnel 300 feet in a northeasterly direction and joining the northwest corner of the Columbia Quartz Lode Claim and running thence;

First Course: Direction, southerly, distance 1500 feet, to southeast corner No 2, which is a monument of rock 2 feet long set in ground marked S-E-C No 2 L-S and also is joining the southwest

corner of the Columbia and running thence;

Second Course: westerly, distance 600 feet, to southwest Corner No 3, which is a monument of rock S-W-C-No 3- L.S. and running thence;

Third Course: Direction, northerly, distance 1500 feet, to northwest Corner No 4, which is a monument of rock marked N.W. Co No 4 L.S. and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to northeast corner No 1, the place of beginning.

This is a relocation of the old original Lone Star Quartz Lode Claim simply relocated for protection to the property and not to get out of any assessment work, as these have been done by me, O B HART, 298 feet of tunnel 5 x 7 feet.

Filed for record July 14, 1924 at 9:00 AM and recorded in book 12 of Lode Locations at page 188 of the records of Park County, Montana

NORTH STAR QUARTZ LODE MINING CLAIM, joined on the north by the Mercer Quartz Lode Mining Claim, on the east by no claim, on the south by the Lone Star Quartz Lode Mining Claim, on the west by the Hi Ball Quartz Lode Mining Claim, and being described as:

Beginning at northeast Corner No 1, which is a monument of stone, by the monument a stone is set in the earth 18 inches in length marked N.E.C- No 1 N.S. meaning North Star and running thence;

First Course: Direction, southerly, distance 1500 feet, to a monument of stone Corner No 2, which is a stone marked S.E.C- No 2, N.S. and running thence;

Second Course: Direction, westerly, distance 600 feet to a monument Corner No 3, which is a stone marked SW C. - No 3 -NS and running thence;

Third Course: Direction, northerly, distance 1500 feet to monument Corner No 4, which is a stone set in earth 24 inches in length marked N.W. C. No-4 - N.S. and running thence;

Fourth Course: Direction, easterly, distance 600 feet to the place of beginning, to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 259 of the records of Park County, Montana

RISING SUN QUARTZ LODE MINING CLAIM, joined on the north by the Hi Ball Quartz Lode Mining Claim, on the east by the Lone Star Quartz Lode Mining Claim, on the south by the Copper Glance Quartz Lode Mining Claim, and being described as:

Beginning at northeast corner No 1, which is a rock 2 feet in height marked N-E-C No 1, R-S and running thence;

First Course: Direction southwest, distance 1500 feet to a rock 20 inches high Corner No 2, which is a rock marked S-E-C- No 2 R-S, and running thence;

Second Course: Direction, westerly, distance 600 feet, to rock mound Corner No 3, which is a mound and a rock 3 feet in length set in ground marked S-W-C-No 3 R-S, and running thence;

Third Course: Direction, northeast, distance 1500 feet to a large rock Corner No 4, which is a rock 36____high by 3 feet across marked N-W C-No 4 RS and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to corner No 1 of which is fully described in the above instrument to Corner No 1, the place of beginning;

Filed for record November 29, 1909 at 9:20 AM and recorded in book 11 of Lode Locations, at page 57 of the records of Park County, Montana.

MERCER QUARTZ LODE MINING CLAIM, joined on the north by the Lonesome Pine Quartz Lode Mining Claim, on the east by an unknown claim, on the south by the North Star Quartz Lode Mining Claim, on the west by no claim, and being described as:

Beginning at northeast Corner No 1, which is a monument of rock and a rock set in ground 18 inches in length marked N.E. C - No 1 - M. R. and running thence;

First Course: Direction, southerly, a distance 1500 feet, to a monument Corner No 2, which is a rock marked S.E.C - No - 2 - M-R and running thence;

Second Course: Direction, westerly, distance 600 feet to monument of rock, Corner No 3, which is a rock set in earth marked S-W-C. No-3- M. R. and running thence;

Third Course: Direction, northerly, distance 1500 feet to a monument Corner No 4, which is a rock 4 feet high marked N-W-C. No 4-M-R and running thence;

Fourth Course: Direction, easterly, distance 600 feet to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 260 of the records of Park County, Montana.

LONESOME PINE QUARTZ LODE MINING CLAIM, joined on the north by no claim, on the east by no claim, on the south by Mercer Quartz Lode Mining Claim, on the west by no claim, and being described as:

Beginning at northeast Corner No 1, which is a monument of rock 3 feet high and a rock 2 feet high marked N-E C No 1- L-P and running thence;

First Course: Direction, southerly, distance 1500 feet, to a monument of rock Corner No 2, which is a rock set in earth 18 inches long marked S-E-C - No-2 - L. P. and running thence;

SecondCourse: Direction, westerly, distance 600 feet to a monument of rock Corner No 3, which is a rock 4 feet marked S-W-C. No-3 L P and running thence;

Third Course: Direction, northeasterly, distance 1500 feet to a monument Corner No 4, which is a rock 4½ feet high marked N-W-C. No 4-L-P and running thence;

Fourth Course: Direction, southerly, distance 600 feet to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 261 of the records of Park County, Montana.

NORTH STAR MILL SITE, described as:

Beginning at corner No 1, which is the northeast corner, marked N.S. No 1;

thence in a southerly direction, 488 2/3 feet to corner No 2, marked S-E Cor No 2;

thence in a westerly direction, 488 2/3 feet to corner No 3, marked Cor No 3, N-S Mill Site;

thence in a northerly direction 488 2/3 feet to corner No 4, marked on rock Cor No 4 N.S.;

thence in a easterly direction 488 2/3 feet to the place of beginning;

Together with all and singular the hereditaments and appurtenances thereunto belonging or in anywise appertaining There to, on Goose Lake Creek.

Filed for record September 19, 1950 at 9:45 AM and recorded in book 16 of Mineral Locations at page 337 of the records of Park County, Montana.

8367

M. L. PARCELLS
ATTORNEY-AT-LAW
COLUMBUS, MONTANA

May 8, 1954

Mr Wing G Agnew, Member
DMEA Field Team, Region II
1201 N Division St
Spokane 2, Washington

Dear Mr Agnew:

As requested by Mr Hart, I enclose herewith four copies of his application for aid in an exploration project, pursuant to DMEA order No 1, under the defense production act of 1950, as amended, together with map of Goose Lake and surrounding locations, including those on which Mr Hart is seeking a development loan.

As a matter of information, a Mr Tom Lovering made a survey of this property in the summers of 1927 and 1928.

The property was inspected by Mr Donald Hetland of Butte, Montana, with the atomic energy commission, in August of the years 1952 and 1953.

It was also inspected by a Mr Floyd J Williams of Salt Lake City, Utah, with the atomic energy commission, in August of the year 1952.

If anything further is required, kindly advise and will try and see that Mr Hart furnished same promptly.

Yours respectfully,

M L Parcells

MLP:ldl
cc: Mr O B Hart
Joliet, Montana

RECEIVED
MAY 12 1954
U. S. G. S.
SPOKANE, WASH.

DMEA-3367
Copper, et al.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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:
Orrin B Hart, Box 162, Joliet, Montana.

(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.
Individual.

(c) If a corporation, add to above statement, title, names and addresses of officers.
(Does not apply)

(d) If a partnership, add to the above statement the names and addresses of all partners.
(Does not apply)

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 papers, 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, DC, or with the nearest field executive officer thereof.

3. Applicants 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:
Unpatented Quartz Lode Mining Claims with tunnel and mill site as shown and described on Exhibit "A" attached to and made a part hereof.

(b) State any mine name by which the property is known.
(See attached Exhibit "A")

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise:
Original location and owner of record.
(See attached Exhibit "A")

(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:
(Does not apply)

RECEIVED
MAY 12 1954
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SPOKANE, WASH.

(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.

(See attached Exhibit "A")

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:

See Exhibit "B" attached to and made a part hereof.

(b) State past and current production, and ore reserves, if any, giving quantities and grades:

Approximately 200 tons of agrentite ore on dump, assaying approximately $32.00 per ton, exclusive of uranium content.

(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:

True fssure pegmatite vein from 9 to 20 feet in width exposed on surface;
Tunnel 200 feet in length on main lead
(See map enclosed herewith).

(d) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points:

10 miles due north of Cooke, Montana, which is 65 miles by U S Highway to Gardiner, Montana, shipping point on Northern Pacific Railroad, and 67 miles by U S Highway No 12 to Red Lodge, Montana, shipping point on Northern Pacific Railroad.

(e) State the availability of manpower, materials, supplies, equipment, water, and water power:

Manpower available through State Employment Agencies;
Materials readily available with sufficient timber for mining purposes within 2½ from location;
Equipment to be purchased or contracted;
Water at mine location;
Power from water right for 140 inches per second of time at Goose Lake and Goose Creek as heretofore filed and recorded.

5. The exploration project.

(a) State mineral or minerals for which you wish to explore:

Copper, gold, silver, lead, zinc, titanium and uranium.

(b) Describe fully the proposed work, including a map or sketch of the property showing a plan (and across 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:

Sink double-compartment shaft 6 x 12 fee, 300 feet in

ore and disposal of contents therefrom, as well as from mining operations.

Approximately 1500 feet of 5 feet by 7 feet tunnels (3), the proposed exploration work to consist of mining and shipping ore therefrom to Salt Lake City, Utah, or other available marketing points.

(c) The work will start within _____days and be completed within _____months from the date of an exploration project contract:

Work will start within 30 days after funds available.

(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:

Prospecting in vicinity since 1906 with 50 years mining experience, and will procure experienced supervision of operations.

6. Estimate of costs. - - Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate shee), under the following headings. Add the totals under all headings to give the estimated total cost of the project;

(a) (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 (such as per foot of drilling, per foot of driftihg, per hour of bulldozer operations, per cubic yard of material moved, etc.):

Will contract, if possible to do so, at around $35.00 per foot of double compartment shaft to be sunk on ore all the way down.

(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:

1 Superintendent	$6,000.00	annually
1 Assistant Superintendant	5,100.00	Annually
6 Laborers	12.00	per day
1 Carpenter	20.00	per day
1 Mechanical engineer	20.00	per day
3 Truck drivers	15.00	per day
1 Cook	15.00	per day
1 Chore boy	5.00	per day
1 Attorney at law	50.00	per month
Employer's FICA tax, 2% of current payroll		
Premium on Workmens Compensatinn Insurance	$3,000.00	annually

(The above figures are estimates)

(c) Operating materials and supplies. -- Furnish an itemized list, including items of equipment less than $50.00 each, and power, water and fuel.

Groceries	$ 900.00	per month
Gas and oil	1,000 00	per month
Miscellaneous items	500.00	per month

(The above figures are estimates)

Gasoline for generating electric power; water and fuel available on premises.

M. L. PARCELLS, ATTORNEY, COLUMBUS, MONTANA

(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:

Following items to be purchased:

2 Dump trucks, 4 wheel drive	$2,500.00	each
400 feet 2-inch pipe for air, couplings included	2,800.00	
400 feet 2-inch pipe for water, couplings included	2,800.00	
1 Air compressor, 2 stage	3,000.00	
200 feet air hose, 2½ inch, in 50 foot lengths, couplings, etc	165.00	
2000 pounds of explosives, caps and fuse	6,000.00	
Pipe wrenches	20.00	each
Nails and spikes	15.00	per keg
Blacksmith outfit	50.00	
Mine cars and rails	400.00	
2 Fuel storage tanks	200.00	each
1 Knowles sinking pump, 2 inch discharge	1,000.00	
1 Vise	167.00	
Office equipment	1,000.00	
Cooking equipment	500.00	
Miscellaneous	1,000.00	

(The above figures are estimates)

(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:

(Does not apply)

(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:

Bunk house	$5,000.00	
Cook shack and mess hall	5,000.00	
Office	2,000.00	
Hoist building	1,500.00	
Mine timbers	75.00	per 1000

The above figures are estimates)

(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:

Due to the fact most of the equipment will be new, and development on a large scale has not as yet been started, it would be very difficult to give anywhere near an accurate answer to this question at this time.

Employers FICA tax and employers liability insurance are referred to in item 6 (b).

M. L. PARCELLS, ATTORNEY, COLUMBUS, MONTANA

(h) Contingencies. -- Give an estimate of any necessary allowances for contingencies not included in the costs stated above:
$5,000.00

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 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: No. Use of equipment owned by you: Yes. Other: Sale of ore.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, 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 this 7th day of May AD 1954

Orrin B. Hart
Applicant.

EXHIBIT "A"

THE FOLLOWING CLAIMS ARE IN THE COPPER GLANCE GROUP OF QUARTZ LODE CLAIMS AT GOOSE LAKE, ALL SITUATED IN THE NEW WORLD (Unorganized) MINING DISTRICT, IN PARK COUNTY, MONTANA:

COPPER INDEX QUARTZ LODE MINING CLAIM, joined on the north by the Copper Sentinel Quartz Lode Mining Claim, on the east by the OBW & Mountain Queen Quartz Lode Mining Claim, on the south by the Watter Loo Quartz Lode Mining Claim, on the west by Goose Lake, and being described as:

Beginning at northeast Corner No 1, which a monument of rock, rock set in ground marked N.E C No 1 C.I. and running thence;

First Course: Direction, southerly, distance 1500 feet to southeast Corner No 2, which is a rock and monument marked S.E.C. No 2 C I and running thence;

Second Course: Direction, westerly, distance 600 feet, to southwest Corner No 3, which is a monument of rock marked S-W-C. No 3-C I and running thence;

Third Course: Direction, northerly, distance 1500 feet to northwest Corner No 4, which is a rock and monument marked N.W.C. No 4, C I and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to Corner No 1, the place of beginning;

Filed for record April 20, 1917 at 10:30 AM and recorded in Book 24 of Lode Locations, at page 24 of the records of Park County, Montana.

COLUMBIA EXTENSION QUARTZ LODE MINING CLAIM, joined by the North Star Quartz Lode Mining Claim on the west, Columbia Quartz Lode Mining Claim on the south and is a relocation of the Eureka and Old Faithful Lode Claims, and being described as:

Beginning at northeast corner No 1, which is a monument of rock, a rock marked N-E-C No 1 C-A E-X and running;

thence southerly 1500 feet in a southerly direction to corner No 2, which is a rock monument, rock marked S-E-C No 2 C-A Ex. and running;

thence westerly 600 feet to corner No 3 which is a rock monument, rock marked S-W-C. No 3 - C-A E-X and running;

thence northerly 1500 feet to corner No 4 which is a rock monument, rock marked N-W-C No 4 C-A E-X and running;

thence easterly 600 feet to northeast corner No 1, the place of beginning;

this claim is a relocation over the Eureka Lode Claim partly and over the Old Faithful, also the Columbia is on the south a relocation over the Lost Out There being no such claim any longer as the Lost Out.

Filed for record February 14, 1921 at 11:30 AM and recorded in book 13 of Lode Locations, on page 122 of the records of Park County, Montana.

LONE STAR QUARTZ LODE MINING CLAIM, joined on the north by the North Star Quartz Lode Mining Claim, on the east by the Columbia Quartz Lode Mining Claim, on the south by the Copper Glance Quartz Lode Mining Claim, on the west by the Rising Sun Quartz Lode Mining Claim, and being described as:

Beginning at northeast Corner No 1 which is a monument of rock and distant from the discovery cut and tunnel 300 feet in a northeasterly direction and joining the northwest corner of the Columbia Quartz Lode Claim and running thence;

First Course: Direction, southerly, distance 1500 feet, to southeast corner No 2, which is a monument of rock 2 feet long set in ground marked S-E-C No 2 L-S and also is joining the southwest

corner of the Columbia and running thence;

Second Course: westerly, distance 600 feet, to southwest Corner No 3, which is a monument of rock S-W-C-No 3- L.S. and running thence;

Third Course: Direction, northerly, distance 1500 feet, to northwest Corner No 4, which is a monument of rock marked N.W. Co No 4 L.S. and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to northeast corner No 1, the place of beginning.

This is a relocation of the old original Lone Star Quartz Lode Claim simply relocated for protection to the property and not to get out of any assessment work, as these have been done by me, O B HART, 298 feet of tunnel 5 x 7 feet.

Filed for record July 14, 1924 at 9:00 AM and recorded in book 12 of Lode Locations at page 188 of the records of Park County, Montana

NORTH STAR QUARTZ LODE MINING CLAIM, joined on the north by the Mercer Quartz Lode Mining Claim, on the east by no claim, on the south by the Lone Star Quartz Lode Mining Claim, on the west by the Hi Ball Quartz Lode Mining Claim, and being described as:

Beginning at northeast Corner No 1, which is a monument of stone, by the monument a stone is set in the earth 18 inches in length marked N.E.C- No 1 N.S. meaning North Star and running thence;

First Course: Direction, southerly, distance 1500 feet, to a monument of stone Corner No 2, which is a stone marked S.E.C- No 2, N.S. and running thence;

Second Course: Direction, westerly, distance 600 feet to a monument Corner No 3, which is a stone marked SW C. - No 3 -NS and running thence;

Third Course: Direction, northerly, distance 1500 feet to monument Corner No 4, which is a stone set in earth 24 inches in length marked N.W. C. No-4 - N.S. and running thence;

Fourth Course: Direction, easterly, distance 600 feet to the place of beginning, to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 259 of the records of Park County, Montana

RISING SUN QUARTZ LODE MINING CLAIM, joined on the north by the Hi Ball Quartz Lode Mining Claim, on the east by the Lone Star Quartz Lode Mining Claim, on the south by the Copper Glance Quartz Lode Mining Claim, and being described as:

Beginning at northeast corner No 1, which is a rock 2 feet in height marked N-E-C No 1, R-S and running thence;

First Course: Direction southwest, distance 1500 feet to a rock 20 inches high Corner No 2, which is a rock marked S-E-C- No 2 R-S, and running thence;

Second Course: Direction, westerly, distance 600 feet, to rock mound Corner No 3, which is a mound and a rock 3 feet in length set in ground marked S-W-C-No 3 R-S, and running thence;

Third Course: Direction, northeast, distance 1500 feet to a large rock Corner No 4, which is a rock 36____ high by 3 feet across marked N-W C-No 4 RS and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to corner No 1 of which is fully described in the above instrument to Corner No 1, the place of beginning;

Filed for record November 29, 1909 at 9:20 AM and recorded in book 11 of Lode Locations, at page 57 of the records of Park County, Montana.

MERCER QUARTZ LODE MINING CLAIM, joined on the north by the Lonesome Pine Quartz Lode Mining Claim, on the east by an unknown claim, on the south by the North Star Quartz Lode Mining Claim, on the west by no claim, and being described as:

Beginning at northeast Corner No 1, which is a monument of rock and a rock set in ground 18 inches in length marked N.E. C - No 1 - M. R. and running thence;

First Course: Direction, southerly, a distance 1500 feet, to a monument Corner No 2, which is a rock marked S.E.C - No - 2 - M-R and running thence;

Second Course: Direction, westerly, distance 600 feet to monument of rock, Corner No 3, which is a rock set in earth marked S-W-C. No-3- M. R. and running thence;

Third Course: Direction, northerly, distance 1500 feet to a monument Corner No 4, which is a rock 4 feet high marked N-W-C. No 4-M-R and running thence;

Fourth Course: Direction, easterly, distance 600 feet to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 260 of the records of Park County, Montana.

LONESOME PINE QUARTZ LODE MINING CLAIM, joined on the north by no claim, on the east by no claim, on the south by Mercer Quartz Lode Mining Claim, on the west by no claim, and being described as:

Beginning at northeast Corner No 1, which is a monument of rock 3 feet high and a rock 2 feet high marked N-E C No 1- L-P and running thence;

First Course: Direction, southerly, distance 1500 feet, to a monument of rock Corner No 2, which is a rock set in earth 18 inches long marked S-E-C - No-2 - L. P. and running thence;

SecondCourse: Direction, westerly, distance 600 feet to a monument of rock Corner No 3, which is a rock 4 feet marked S-W-C. No-3 L P and running thence;

Third Course: Direction, northeasterly, distance 1500 feet to a monument Corner No 4, which is a rock 4½ feet high marked N-W-C. No 4-L-P and running thence;

Fourth Course: Direction, southerly, distance 600 feet to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 261 of the records of Park County, Montana.

NORTH STAR MILL SITE, described as:

Beginning at corner No 1, which is the northeast corner, marked N.S. No 1;

thence in a southerly direction, 488 2/3 feet to corner No 2, marked S-E Cor No 2;

thence in a westerly direction, 488 2/3 feet to corner No 3, marked Cor No 3, N-S Mill Site;

thence in a northerly direction 488 2/3 feet to corner No 4, marked on rock Cor No 4 N.S.;

thence in a easterly direction 488 2/3 feet to the place of beginning;

Together with all and singular the hereditaments and appurtenances thereunto belonging or in anywise appertaining There to, on Goose Lake Creek.

Filed for record September 19, 1950 at 9:45 AM and recorded in book 16 of Mineral Locations at page 337 of the records of Park County, Montana.

M. L. PARCELLS, ATTORNEY, COLUMBUS, MONTANA

M. L. PARCELLS
ATTORNEY-AT-LAW
COLUMBUS, MONTANA

May 8, 1954

Mr Wing G Agnew, Member
DMEA Field Team, Region II
1201 N Division St
Spokane 2, Washington

Dear Mr Agnew:

As requested by Mr Hart, I enclose herewith four copies of his application for aid in an exploration project, pursuant to DMEA order No 1, under the defense production act of 1950, as amended, together with map of Goose Lake and surrounding locations, including those on which Mr Hart is seeking a development loan.

As a matter of information, a Mr Tom Lovering made a survey of this property in the summers of 1927 and 1928.

The property was inspected by Mr Donald Hetland of Butte, Montana, with the atomic energy commission, in August of the years 1952 and 1953.

It was also inspected by a Mr Floyd J Williams of Salt Lake City, Utah, with the atomic energy commission, in August of the year 1952.

If anything further is required, kindly advise and will try and see that Mr Hart furnished same promptly.

Yours respectfully,

M L Parcells

MLP:ldl
cc: Mr O B Hart
Joliet, Montana

RECEIVED
MAY 12 1954
U. S. G. S.
SPOKANE, WASH.

Acc letter to Carr dist & 5/12/54

DMEA-3367
Copper, et al.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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:
Orrin B Hart, Box 162, Joliet, Montana.

(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.
Individual.

(c) If a corporation, add to above statement, title, names and addresses of officers.
(Does not apply)

(d) If a partnership, add to the above stetement the names and addresses of all partners.
(Does not apply)

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 papers, 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, DC, or with the nearest field executive officer thereof.

3. Applicants 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:
Unpatented Quartz Lode Mining Claims with tunnel and mill site as shown and described on Exhibit "A" attached to and made a part hereof.

(b) State any mine name by which the property is known.
(See attached Exhibit "A")

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise:
Original location and owner of record.
(See attached Exhibit "A")

(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:
(Does not apply)

RECEIVED
MAY 12 1954
U. S. G. S.
SPOKANE, WASH.

(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.

(See attached Exhibit "A")

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:

See Exhibit "B" attached to and made a part hereof.

(b) State past and current production, and ore reserves, if any, giving quantities and grades:

Approximately 200 tons of agrentite ore on dump, assaying approximately $32.00 per ton, exclusive of uranium content.

(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:

True fissure pegmatite vein from 9 to 20 feet in width exposed on surface; Tunnel 200 feet in length on main lead (See map enclosed herewith).

(d) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points:

10 miles due north of Cooke, Montana, which is 65 miles by U S Highway to Gardiner, Montana, shipping point on Northern Pacific Railroad, and 67 miles by U S Highway No 12 to Red Lodge, Montana, shipping point on Northern Pacific Railroad.

(e) State the availability of manpower, materials, supplies, equipment, water, and water power:

Manpower available through State Employment Agencies;
Materials readily available with sufficient timber for mining purposes within 2½ from location;
Equipment to be purchased or contracted;
Water at mine location;
Power from water right for 1440 inches per second of time at Goose Lake and Goose Creek as heretofore filed and recorded.

5. The exploration project.

(a) State mineral or minerals for which you wish to explore:

Copper, gold, silver, lead, zinc, titanium and uranium.

(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:

Sink double-compartment shaft 6 x 12 fee, 300 feet in

ore and disposal of contents therefrom, as well as from mining operations.

Approximately 1500 feet of 5 feet by 7 feet tunnels (3), the proposed exploration work to consist of mining and shipping ore therefrom to Salt Lake City, Utah, or other available marketing points.

(c) The work will start within _____days and be completed within _____months from the date of an exploration project contract:

Work will start within 30 days after funds available.

(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:

Prospecting in vicinity since 1906 with 50 years mining experience, and will procure experienced supervision of operations.

6. Estimate of costs. - - Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate shee), under the following headings. Add the totals under all headings to give the estimated total cost of the project;

(a) (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 (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.):

Will contract, if possible to do so, at around $35.00 per foot of double compartment shaft to be sunk on ore all the way down.

(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:

1 Superintendent	$6,000.00	annually
1 Assistant Superintendant	5,100.00	Annually
6 Laborers	12.00	per day
1 Carpenter	20.00	per day
1 Mechanical engineer	20.00	per day
3 Truck drivers	15.00	per day
1 Cook	15.00	per day
1 Chore boy	5.00	per day
1 Attorney at law	50.00	per month
Employer's FICA tax, 2% of current payroll		
Premium on Workmens Compensation Insurance	$3,000.00	annually

(The above figures are estimates)

(c) Operating materials and supplies. -- Furnish an itemized list, including items of equipment less than $50.00 each, and power, water and fuel.

Groceries	$ 900.00	per month
Gas and oil	1,000.00	per month
Miscellaneous items	500.00	per month

(The above figures are estimates)

Gasoline for generating electric power; water and fuel available on premises.

M. L. PARCELLS, ATTORNEY, COLUMBUS, MONTANA

(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:

Following items to be purchased:

2 Dump trucks, 4 wheel drive -------	$2,500.00	each
400 feet 2-inch pipe for air, couplings included ----------	2,800.00	
400 feet 2-inch pipe for water, couplings included ----------	2,800.00	
1 Air compressor, 2 stage ----------	3,000.00	
200 feet air hose, 2½ inch, in 50 foot lengths, couplings, etc ----	165.00	
2000 pounds of explosives, caps and fuse ----------	6,000.00	
Pipe wrenches ----------	20.00	each
Nails and spikes ----------	15.00	per keg
Blacksmith outfit ----------	50.00	
Mine cars and rails ----------	400.00	
2 Fuel storage tanks ----------	200.00	each
1 Knowles sinking pump, 2 inch discharge ----------	1,000.00	
1 Hoise ----------	167.00	
[redacted]ice equipment ----------	1,000.00	
[redacted]king equipment ----------	500.00	
[redacted]ellaneous ----------	1,000.00	

(The above figures are estimates)

(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:

(Does not apply)

(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:

Bunk house ----------	$5,000.00	
Cook shack and mess hall ----------	5,000.00	
Office ----------	2,000.00	
Hoist building ----------	1,500.00	
Mine timbers ----------	75.00	per 1000

The above figures are estimates)

(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:

Due to the fact most of the equipment will be new, and development on a large scale has not as yet been started, it would be very difficult to give anywhere near an accurate answer to this question at this time.

Employers FICA tax and employers liability insurance are referred to in item 6 (b).

(h) Contingencies. -- Give an estimate of any necessary allowances for contingencies not included in the costs stated above:
$5,000.00

NOTE -- [illegible]s of general overhead, corporate management, interest, tax[illegible]r than payroll and sales taxes), or any other indirect cost[illegible]rk performed or costs incurred before the date of the co[illegible]t, should be included in the estimate 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: No. Use of equipment owned by you: Yes. Other: Sale of ore.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, 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 this 7th day of May AD 1954.

Ann B. Hart
Applicant.

EXHIBIT "A"

THE FOLLOWING CLAIMS ARE IN THE COPPER GLANCE GROUP OF QUARTZ LODE CLAIMS AT GOOSE LAKE, ALL SITUATED IN THE NEW WORLD (Unorganized) MINING DISTRICT, IN PARK COUNTY, MONTANA:

COPPER INDEX QUARTZ LODE MINING CLAIM, joined on the north by the Copper Sentinel Quartz Lode Mining Claim, on the east by the OBW & Mountain Queen Quartz Lode Mining Claim, on the south by the Watter Loo Quartz Lode Mining Claim, on the west by Goose Lake, and being described as:

Beginning at northeast Corner No 1, which a monument of rock, rock set in ground marked N.E C No 1 C.I. and running thence;

First Course: Direction, southerly, distance 1500 feet to southeast Corner No 2, which is a rock and monument marked S.E.C. No 2 C I and running thence;

Second Course: Direction, westerly, distance 600 feet, to southwest Corner No 3, which is a monument of rock marked S-W-C. No 3-C I and running thence;

Third Course: Direction, northerly, distance 1500 feet to northwest Corner No 4, which is a rock and monument marked N.W.C. No 4, C I and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to Corner No 1, the place of beginning;

Filed for record April 20, 1917 at 10:30 AM and recorded in Book 24 of Lode Locations, at page 24 of the records of Park County, Montana.

COLUMBIA EXTENSION QUARTZ LODE MINING CLAIM, joined by the North Star Quartz Lode Mining Claim on the west, Columbia Quartz Lode Mining Claim on the south and is a relocation of the Eureka and Old Faithful Lode Claims, and being described as:

Beginning at northeast corner No 1, which is a monument of rock, a rock marked N-E-C. No 1 C-A. E-X and running;

thence southerly 1500 feet in a southerly direction to corner No 2, which is a rock monument, rock marked S-E-C No 2 C-A. Ex. and running;

thence westerly 600 feet to corner No 3 which is a rock monument, rock marked S-W-C. No 3 - C-A E-X and running;

thence northerly 1500 feet to corner No 4 which is a rock monument, rock marked N-W-C No 4 C-A E-X and running;

thence easterly 600 feet to northeast corner No 1, the place of beginning;

this claim is a relocation over the Eureka Lode Claim partly and over the Old Faithful, also the Columbia is on the south a relocation over the Lost Out There being no such claim any longer as the Lost Out.

Filed for record February 14, 1921 at 11:30 AM and recorded in book 13 of Lode Locations, on page 122 of the records of Park County, Montana.

LONE STAR QUARTZ LODE MINING CLAIM, joined on the north by the North Star Quartz Lode Mining Claim, on the east by the Columbia Quartz Lode Mining Claim, on the south by the Copper Glance Quartz Lode Mining Claim, on the west by the Rising Sun Quartz Lode Mining Claim, and being described as:

Beginning at northeast Corner No 1 which is a monument of rock and distant from the discovery cut and tunnel 300 feet in a northeasterly direction and joining the northwest corner of the Columbia Quartz Lode Claim and running thence;

First Course: Direction, southerly, distance 1500 feet, to southeast corner No 2, which is a monument of rock 2 feet long set in ground marked S-E-C No 2 L-S and also is joining the southwest

corner of the Columbia and running thence;

Second Course: westerly, distance 600 feet, to southwest Corner No 3, which is a monument of rock S-W-C-No 3- L.S. and running thence;

Third Course: Direction, northerly, distance 1500 feet, to northwest Corner No 4, which is a monument of rock marked N.W. Co No 4 L.S. and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to northeast corner No 1, the place of beginning.

This is a relocation of the old original Lone Star Quartz Lode Claim simply relocated for protection to the property and not to get out of any assessment work, as these have been done by me, O B HART, 298 feet of tunnel 5 x 7 feet.

Filed for record July 14, 1924 at 9:00 AM and recorded in book 12 of Lode Locations at page 188 of the records of Park County, Montana.

NORTH STAR QUARTZ LODE MINING CLAIM, joined on the north by the Mercer Quartz Lode Mining Claim, on the east by no claim, on the south by the Lone Star Quartz Lode Mining Claim, on the west by the Hi Ball Quartz Lode Mining Claim, and being described as:

Beginning at northeast Corner No 1, which is a monument of stone, by the monument a stone is set in the earth 18 inches in length marked N.E.C- No 1 N.S. meaning North Star and running thence;

First Course: Direction, southerly, distance 1500 feet, to a monument of stone Corner No 2, which is a stone marked S.E.C- No 2, N.S. and running thence;

Second Course: Direction, westerly, distance 600 feet to a monument Corner No 3, which is a stone marked SW C. - No 3 -NS and running thence;

Third Course: Direction, northerly, distance 1500 feet to monument Corner No 4, which is a stone set in earth 24 inches in length marked N.W. C. No-4 - N.S. and running thence;

Fourth Course: Direction, easterly, distance 600 feet to the place of beginning, to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 259 of the records of Park County, Montana.

RISING SUN QUARTZ LODE MINING CLAIM, joined on the north by the Hi Ball Quartz Lode Mining Claim, on the east by the Lone Star Quartz Lode Mining Claim, on the south by the Copper Glance Quartz Lode Mining Claim, and being described as:

Beginning at northeast corner No 1, which is a rock 2 feet in height marked N-E-C No 1, R-S and running thence;

First Course: Direction southwest, distance 1500 feet to a rock 20 inches high Corner No 2, which is a rock marked S-E-C- No 2 R-S, and running thence;

Second Course: Direction, westerly, distance 600 feet, to rock mound Corner No 3, which is a mound and a rock 3 feet in length set in ground marked S-W-C-No 3 R-S, and running thence;

Third Course: Direction, northeast, distance 1500 feet to a large rock Corner No 4, which is a rock 36____high by 3 feet across marked N-W C-No 4 RS and running thence;

Fourth Course: Direction, easterly, distance 600 feet, to corner No 1 of which is fully described in the above instrument to Corner No 1, the place of beginning;

Filed for record November 29, 1909 at 9:20 AM and recorded in book 11 of Lode Locations, at page 57 of the records of Park County, Montana.

MERCER QUARTZ LODE MINING CLAIM, joined on the north by the Lonesome Pine Quartz Lode Mining Claim, on the east by an unknown claim, on the south by the N[illegible]tar Quartz Lode Mining Claim, on the west by no claim, [illegible] described as:

Beginning at northe[illegible] No 1, which is a monument of rock and a rock set in gr[illegible]ches in length marked N.E. C - No 1 - M. R. and running t[illegible]

First Course: Direction, southerly, a distance 1500 feet, to a monument Corner No 2, which is a rock marked S.E.C - No - 2 - M-R and running [illegible]ce;

Second C[illegible] Direction, westerly, distance 600 feet to monument of roc[illegible]r No 3, which is a rock set in earth marked S-W-C. No-3- M. [illegible]d running thence;

Third Course[illegible] Direction, northerly, distance 1500 feet to a monument Corner No 4, which is a rock 4 feet high marked N-W-C. No 4-M-R and running thence;

Fourth Course: Direction, easterly, distance 600 feet to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 260 of the records of Park County, Montana.

LONESOME PINE QUARTZ LODE MINING CLAIM, joined on the north by no claim, on the east by no claim, on the south by Mercer Quartz Lode Mining Claim, on the west by no claim, and being described as:

Beginning at northeast Corner No 1, which is a monument of rock 3 feet high and a rock 2 feet high marked N-E C No 1- L-P and running thence;

First C[illegible]rse: Direction, southerly, distance 1500 feet, to a monume[illegible] rock Corner No 2, which is a rock set in earth 18 inches [illegible]ked S-E-C - No-2 - L. P. and running thence;

S[illegible] Direction, westerly, distance 600 feet to a monumen[illegible] corner No 3, which is a rock 4 feet marked S-W-C. N[illegible] and running thence;

Thir[illegible]ourse: Direction, northeasterly, distance 1500 feet to a monument Corner No 4, which is a rock 4½ feet high marked N-W-C. No 4-L-P and running thence;

Fourth Course: Direction, southerly, distance 600 feet to Corner No 1, the place of beginning;

Filed for record August 5, 1914 at 9:00 AM and recorded in book 11 of Lode Locations at page 261 of the records of Park County, Montana.

NORTH STAR MILL SITE, described as:

Beginning at corner No 1, which is the northeast corner, marked N.S. No 1;

thence in a southerly direction, 488 2/3 feet to corner No 2, marked S-E Cor No 2;

thence in a westerly direction, 488 2/3 feet to corner No 3, marked Cor No 3, N-S Mill Site;

thence in a northerly direction 488 2/3 feet to corner No 4, marked on rock Cor No 4 N.S.;

thence in a easterly direction 488 2/3 feet to the place of beginning;

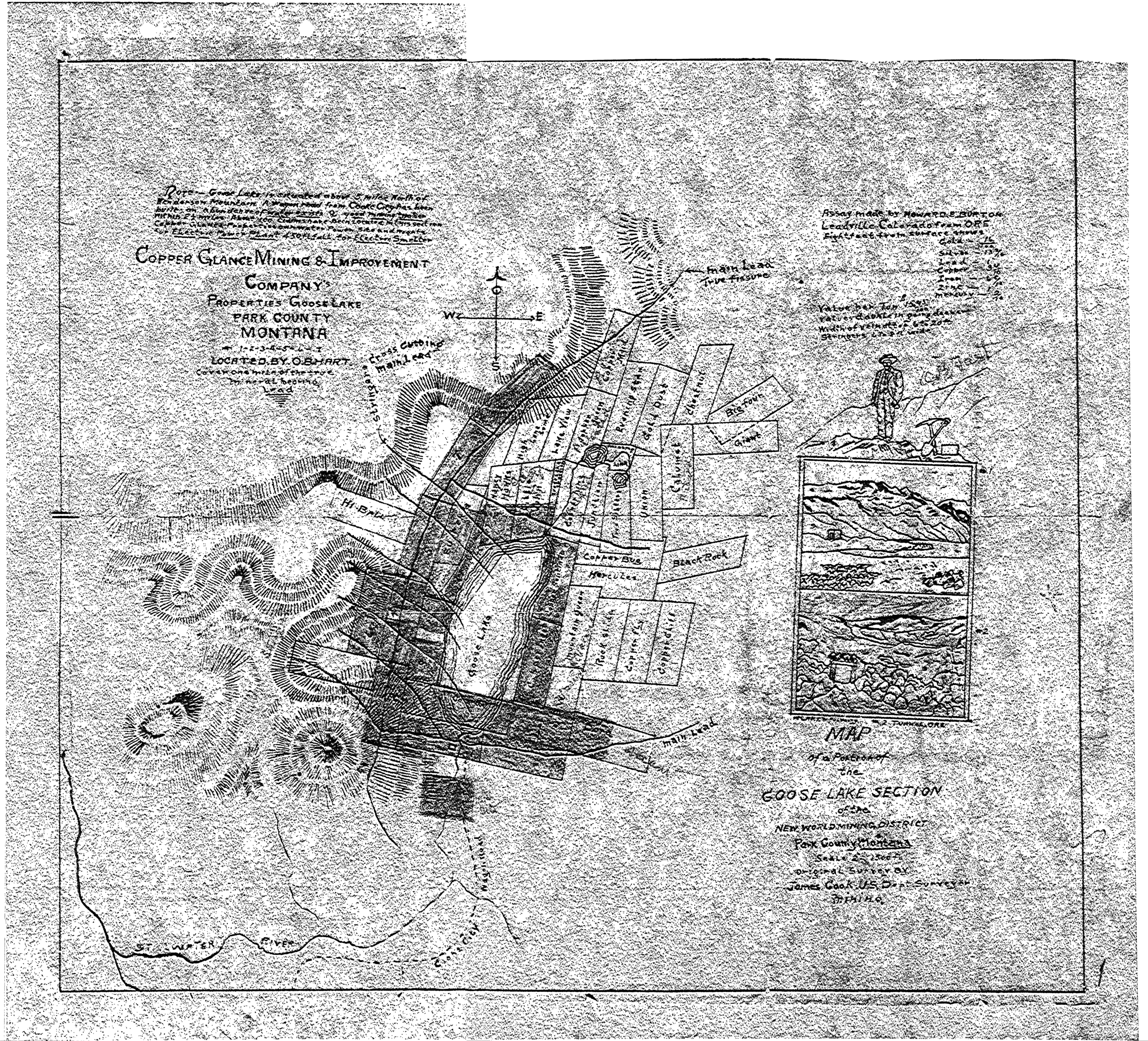
Together with all and singular the hereditaments and appurtenances thereunto belonging or in anywise appertaining. There to, on Goose Lake Creek.

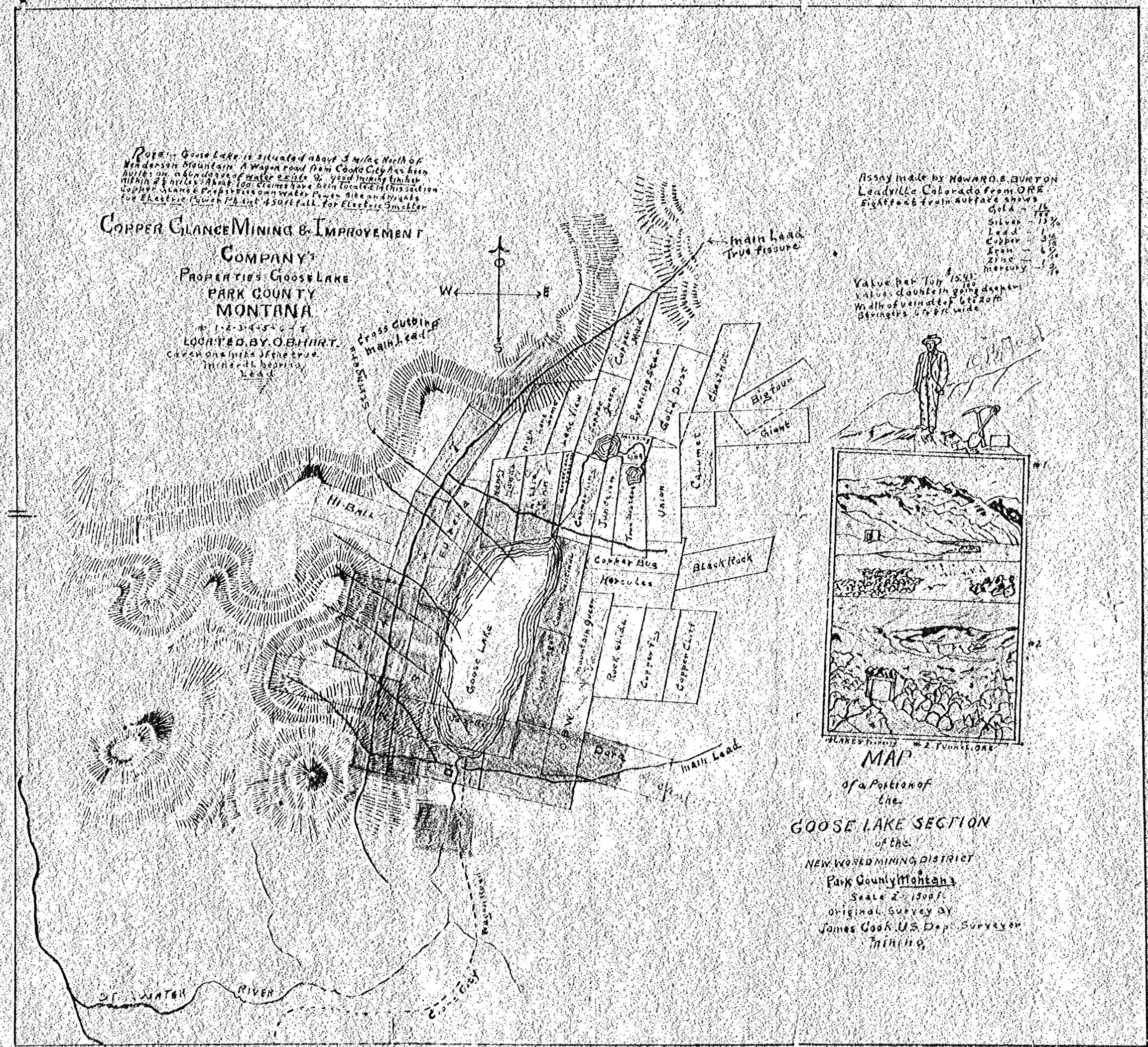
Filed for record September 19, 1950 at 9:45 AM and recorded in book 16 of Mineral Locations at page 337 of the records of Park County, Montana.

BUREAU OF MINES
1012 Flood Building
870 Market Street
San Francisco 2, Calif.
OFFICIAL BUSINESS

SAN FRANCISCO
MAY 19 '54
CALIF.
U.S. POSTAGE
33

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


Note — Goose Lake is situated about 5 miles North of Henderson Mountain. A Wagon road from Cooke City has been built on a Bench above water earth & good mining timber within 2½ miles. About 100 claims have been located in this section for Electric Power Plant 450 ft fall for Electric Smelter
COPPER GLANCE MINING & IMPROVEMENT COMPANY'S PROPERTIES GOOSE LAKE PARK COUNTY MONTANA
1-2-3-4-5-6-7
LOCATED BY O. B. HART.
Cover one mile of the vein
Mineral bearing
Lead
N
W
E
S
main Lead true fissure
cross cutting main Lead
Stringer
Hi-Brite
Goose Lake
Copper Bug
Black Rock
Hercules
Rock slide
Copper Fly
Copper Chief
Union
Calumet
Chestnut
Big Four
Grant
Gold Dust
Prentice Star
Lone Star
Copper Mine
main Lead
Cooke City
Soft water River
Assay made by Howard E. Burton Leadville Colorado from O.R.E. Eight feet from surface shows
Gold — 16/100
Silver — 13 oz
Lead — 6%
Copper — 3%
Iron — 6%
Zinc — 1%
Mercury — 2%
Value per Ton $15.00
Vein double in gang deposit
Width of vein at 6 to 20 ft
Stringers 1 to 3 ft wide
TUNNEL ORE
MAP
of a Portion of the
GOOSE LAKE SECTION
of the
NEW WORLD MINING DISTRICT
Park County Montana
Scale 2" = 1500 ft
Original Survey by
James Cook U.S. Dep. Surveyor
Mont. H.Q.


Note:- Goose Lake is situated about 3 miles North of Henderson Mountain. A Wagon road from Cooke City has been built on a boundary of water & wood mining timber within 2 miles. About 100 claims have been located in this section for Electric Power Plant 450 ft fall. for Electric Smelter
COPPER GLANCE MINING & IMPROVEMENT COMPANY'S PROPERTIES GOOSE LAKE PARK COUNTY MONTANA
1-2-3-4-5-6-7
LOCATED BY O.B. HART.
Cross cutting main lead
Main Lead True Fissure
Assay made by HOWARD B. BURTON Leadville Colorado from ORE Eight feet from surface shows
Gold - 16
Silver - 13 oz
Lead - 1
Copper - 3 %
Iron - 6 %
Zinc - 1 %
Mercury - 1 %
Value per Ton $15.45
Values doubled in going deeper
Width of vein at 6 to 20 ft
Stringers 6 to 8 ft wide
Copper Mine
Evening Star
Gold Dust
Chestnut
Big Four
Giant
Cameo
Union
Copper Bug
Black Rock
Hercules
Rock Slide
Copper Top
Copper Chief
Mountain Green
Junction
Copper Queen
Lake View
High Land
Nancy Lewis
Eureka
Hi-Ball
Goose Lake
Park
Main Lead
Cross Cut
Stairs
Water River
Blake Tunnel No 2 Tunnel Ore
MAP of a Portion of the GOOSE LAKE SECTION of the NEW WORLD MINING DISTRICT Park County Montana
Scale 2" = 1500 ft.
Original Survey BY James Cook U.S. Dep. Surveyor Mining