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DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 3243

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Exploration Assistance

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Cys to USBM and USGS

Routing Slip

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Simmons
Farraher
Hedges
Selfridge
Johnson

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

JUN 14 1954

Mr. Charles A. Jones
Route 1, Box 284
Hermiston, Oregon

Re: Docket No. DMEA-3243 (Copper)
Red Mound Claims Nos. 1 & 2
Baker County, Oregon

Dear Mr. Jones:

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

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of copper mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

WRGriswold/bjl 6/10/54

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

R.C.S.

500

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

June 10, 1954

MEMORANDUM

To: Administrator

From: Chief, Base Metals Division

Subject: Docket No. DMEA-3243 (Copper), Charles A. Jones, Red Mound Claims Nos. 1 & 2, Baker County, Oregon

We are attaching a letter of denial, to the cited Applicant, for Government assistance in a copper exploration project.

It would appear from the reports that the property was thoroughly examined by Willard P. Puffett (geologist) and by Webster S. Anderson (engineer). Their consolidated report is comprehensive and shows nothing that could possibly be of interest to us.

Narrow, mineralized fractures in greenstone are in evidence on the property, with barite being the common gangue mineral. Numerous prospect pits and short adits have been excavated, all showing narrow veins varying in width from an inch to 24 inches. At times these barite veins show tiny discontinuous veinlets of chalcopyrite, less than half an inch in thickness. Insignificant amounts of galena and sphalerite are noted in certain instances.

In none of the veins exposed on the claims was there any evidence of mineralized rock of ore grade, or that the structures were strong enough to merit exploration for possible hidden ore shoots.

W. R. Griswold

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File Copy
Surname

500

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WRGriswold/bjl

Copy to: Docket
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Chron.

R.C.S.

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

June 9, 1954

Memorandum

To: W. R. Griswold, DMEA

From: C.H. Johnson, Bureau of Mines

Subject: DMEA-3423 (Copper) Charles Jones, Red Mound Claims, Baker County, Oregon

The Field Team report on this application appears to represent a thorough examination. Although no samples were taken, the descriptions of the showings examined are sufficiently specific and detailed to support the general conclusion; that those showings do not merit Government assistance in exploration under the DMEA program.

C. H. Johnson

C. H. Johnson

Copy to - Mr. Newcomb, USGS
Minerals Division
C. H. Johnson
Files

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

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Minerals Division
C. H. Johnson
Files

IN REPLY REFER TO:

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

Griswold

June 1, 1954

Memorandum

Re: DMEA-3243
Red Mounds Claims
Baker County, Oregon
$23,412
Copper

To: Mr. W. R. Griswold, DMEA

From: E. L. Newcomb, USGS

Subject: Concurrence with field team recommendation for denial

The field team examination report recommends the applicant be denied exploration assistance.

Mineralization on the Red Mound Claims is limited to thin quartz-barite veins which contain sparse amounts of chalcopyrite, sphalerite and galena. None of the vein exposures carry minable ore, nor are there any persistent, strong vein structures which justify Government expenditure under the DMEA program.

I concur with the field team recommendation for denial.

E. L. Newcomb

E. L. Newcomb
Geologist

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

June 1, 1954

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Geologist

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

May 24, 1954

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

Re: Docket No. DMEA-3243 (copper)
Charles Jones
Red Mound Claims
Baker County, Oregon

Dear Mr. Selfridge:

Enclosed are the original and three copies of a field examination report on the above-referenced application, which has been prepared by Willard P. Puffett, Geological Survey, and Webster S. Anderson, Bureau of Mines.

The field examiners found no evidence of any feasible exploration target on the property and therefore recommend that the application be denied; the Field Team concurs with this recommendation.

By Field Team, Region II

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

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

Enclosure
cc: USBM (2)
Puffett

Reviewed by
DMEA OPERATING COMMITTEE
6-2-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

May 19, 1954

Memorandum

To: DMEA Field Team, Region II

From: Willard P. Puffett, Geologist, Geological Survey
Webster S. Anderson, Engineer, Bureau of Mines

Subject: Docket No. DMEA-3243 (copper). Field Examination of Charles Jones' Red Mound Claims, Baker County, Oregon.

APPLICANT

Mr. Charles A. Jones
Route 1, Box 284
Hermiston, Oregon.

Reviewed by
DMEA OPERATING COMMITTEE
6-2-54
(date)

RECOMMENDATIONS

It is recommended that the application for exploration assistance be denied. A few thin, scattered and variously oriented quartz-barite veins containing sparse amounts of chalcopyrite, sphalerite and galena, occur in Permian greenstones on the Red Mound claims, but the veins are too narrow and sparsely mineralized to merit further exploration.

EXAMINATION

The Red Mound claims were examined May 5, 1954, by Willard P. Puffett, geologist, U. S. Geological Survey, and Webster S. Anderson, engineer, U. S. Bureau of Mines. Mr. Charles A. Jones accompanied the examiners and directed them to all old workings and prospect pits. Seven hours were spent on the property.

PROPERTY

The Red Mound Claims No. 1 and No. 2, are about 1 mile southwest of the town of Homestead, Baker County, Oregon. The property can be reached by following an old road which branches from the state highway to the northwest about 1 mile southwest of Homestead. This road extends about a quarter of a mile to Mr. Jones' cabin on Holbrook Creek. It is necessary to hike about three-quarters of a mile from the cabin, along Holbrook Creek to the southeast corner of Red Mound Claim No. 1. Presumably Mr. Jones controls the property between the cabin and Red Mound Claim No. 1, but he did not include this land in his application.

The road from the state highway to the cabin is of an elementary type and would not support heavy traffic. Heavy snows or wet weather would make the road impassable.

COMPETENCY OF APPLICANT

Mr. Jones originally worked at the Eagle-Picher mines near Joplin, Missouri. His other mining experience includes prospecting for diamonds in Arkansas, and mining small barite and manganese properties in Missouri. In recent years he has been employed at the McNary Dam near Hermiston, Oregon. He is probably 60 years old and appears to be in good health. His financial resources are obviously very limited. He seems to have a fair understanding of ore deposits and habits of vein-like deposits; it is believed he could supervise only the most simple type of prospecting or mining project.

PROPERTY RIGHTS

The applicant owns the Red Mound Claims No. 1 and No. 2 by right of location. He first staked these claims in 1946. He reports they are recorded in Book 43 pages 568 and 570 of the county records in Baker, Oregon.

DESCRIPTION OF PROPERTY

The two claims trend north across steep divides between Holbrook Creek and Spring Branch Creek and between Spring Branch and Starved-Out Creeks. Average slope of the hills bordering these creeks is 35 degrees. Altitudes range from 2,500 feet at the southeast end of the No. 1 claim to about 3,400 feet at the northwest corner of No. 2 claim. Holbrook Creek is a perennial stream, whereas Spring Branch Creek is an intermittent stream.

Workings on the property include four short adits, a shaft 8 feet deep plus numerous prospect pits. Two of the adits were not safe for inspection because of caving ground. The accompanying sketch map shows the relative location of the many prospect pits and other workings.

GEOLOGY

The following statements concerning the general geology of the area surrounding the Red Mound Claims are quoted from Oregon Metal Mines Handbook, Bull. No. 14-A, State of Oregon, Department of Geology and Mineral Industries, 1939, p. 57.

> "The older rocks emerge from below the basalt between Copperfield and Homestead. In the Basin west of Homestead, the contact is a thousand feet or more above the Snake; at Ballards it is about 2,000 feet; at Spring Creek 7 miles from Homestead, a little less; and at Squaw Creek, 12 miles away, considerably more.

"This ragged edge of older rocks, elsewhere covered by the red blankets of recent flows, is for the most part made up of greenstones. The greenstone series, the oldest rocks of the district, consist of amygdaloidal, porphyritic and dense flows with interbedded breccia, tuffs, sandstones, and conglomerates. The igneous flows make up by far the larger part of the series. Smaller streaks of sandstone and conglomerate are imbedded in the flows.

"The general direction of the strike is N-S, but the dip varies in both angle and direction. Microscopic examination of many thin sections reveals the fact that the original character of these rocks is much obscured by their pronounced alteration. This much is evident: Before their alteration the flows ranged from ordinary basalt to rhyolite, from basic to acidic, in which are roughly bedded masses of volcanic tuffs, breccias, and occasionally thin beds of sandstone and conglomerate."

The basalt is a part of the Columbia River basalts of Miocene age, whereas the greenstone has been dated as Permian in age.

With the exception of at least one narrow basalt dike, the Red Mound Claims are underlain by the above-described greenstone series. The general rock type exposed in the many prospect pits is a much altered andesite, although locally there are variants of this type rock marked by many pinkish blotches which may represent filled amygdules.

The numerous prospect pits and short adits have explored narrow mineralized fractures in the greenstone. These fractures strike in a general north-south direction and dip rather steeply to the west, although, as can be seen on the accompanying sketch map, many fractures strike to the northeast and dip to the southeast. The fractures range in width from less than one inch to a maximum of 24 inches. At only a few localities can the fractures be traced along strike for more than a few feet.

The most common fracture-filling mineral is barite, although quartz is predominant in one or two localities. Near the discovery pit, in the southeast part of the area sketched, there is a rather persistent barite vein, attaining a maximum exposed width of 24 inches. Within the barite, and rather sporadically oriented, are a number of discontinuous stringers of chalcopyrite. These stringers are less than one-half inch thick and persist in length for only a few inches.

On the dump near the portals of the two short adits on Spring Branch Creek, are many specimens of barite containing scattered crystals of pyrite, with minor amounts of chalcopyrite. The applicant reports some sphalerite in this material.

On the steep hillslope north of Helbrook Creek are a number of prospect pits which for the most part exposed only much iron-stained andesite. At one location, just above the site of the adit portal of the proposed crosscut, a few tiny grains of galena have been exposed. Some oxidized copper stains occur in the rock near the galena. It is estimated that the rock in which the galena occurs would not assay more than one percent lead.

To the west, from the exposure of the galena, the applicant has sunk a short shaft, following a sparsely mineralized stringer. The applicant reports obtaining an assay of 1.80 percent copper from the finely ground rock obtained from the shaft. At the time of the inspection, it was very difficult to recognize any copper minerals in the walls of the shaft, or in the rock on the dump near the shaft.

North from this shaft, and in Spring Branch Creek, are some boulders containing numerous black sphalerite crystals. Mr. Jones reports obtaining an assay in excess of 30 percent zinc from a sample of this rock. A rather indistinct fracture trending nearly due west was seen in this locality, and the rock bounding this fracture was much bleached; however, no sphalerite was seen in the rock bounding the fracture.

To the north, and up the steep slope from the sphalerite occurrence, a 49-foot adit has been driven northwestward into the hill. This adit was not safe for examination. Rock on the dump near the portal contains scattered chalcopyrite, plus some pyrite. Mr. Jones reports obtaining an assay from one of the richer specimens which yielded 3 percent copper, 7 percent zinc, 1.8 ounces per ton of silver, and $2.40 per ton gold. This assay was obtained from the American Smelting and Refining Smelter at Tacoma, Washington. Near the portal of the adit, a rather strong fault could be seen striking northwest and dipping 65 degrees to the southwest. It is presumed that mineralized rock on the dump was found along this fault.

Across the steep ridge-top to the northwest, another prospect pit explored a fracture containing some fine-grained chalcopyrite. At the maximum, this fracture is 24 inches wide, but it does not appear to persist very far along strike.

In none of the veins exposed on the two claims was there any evidence of mineralized rock of ore grade, or that the structures were strong enough to merit any further exploration for possible hidden oreshoots. There are no ore reserves on the property.

PAST OPERATION

Past operations on the property consist only of excavating small prospect pits and driving a few short adits. No production has been obtained.

APPLICANTS PROPOSAL

The applicant proposed driving a crosscut for 500 feet to explore the projected downward extension of many of the narrow, sparsely mineralized fractures. He also applied for aid to construct an access road from his cabin to the proposed portal site.

The access road would be about 1 mile long and would traverse the banks of Holbrook Creek. The change in elevation from the cabin to the proposed portal site is 500 feet. There is very little unconsolidated material along the creek, altered greenstones being exposed for nearly the entire distance. Consequently it would take much rock work and blasting to construct even the most elementary type of road. The applicant was of the opinion that this road could be constructed for $3,000.00.

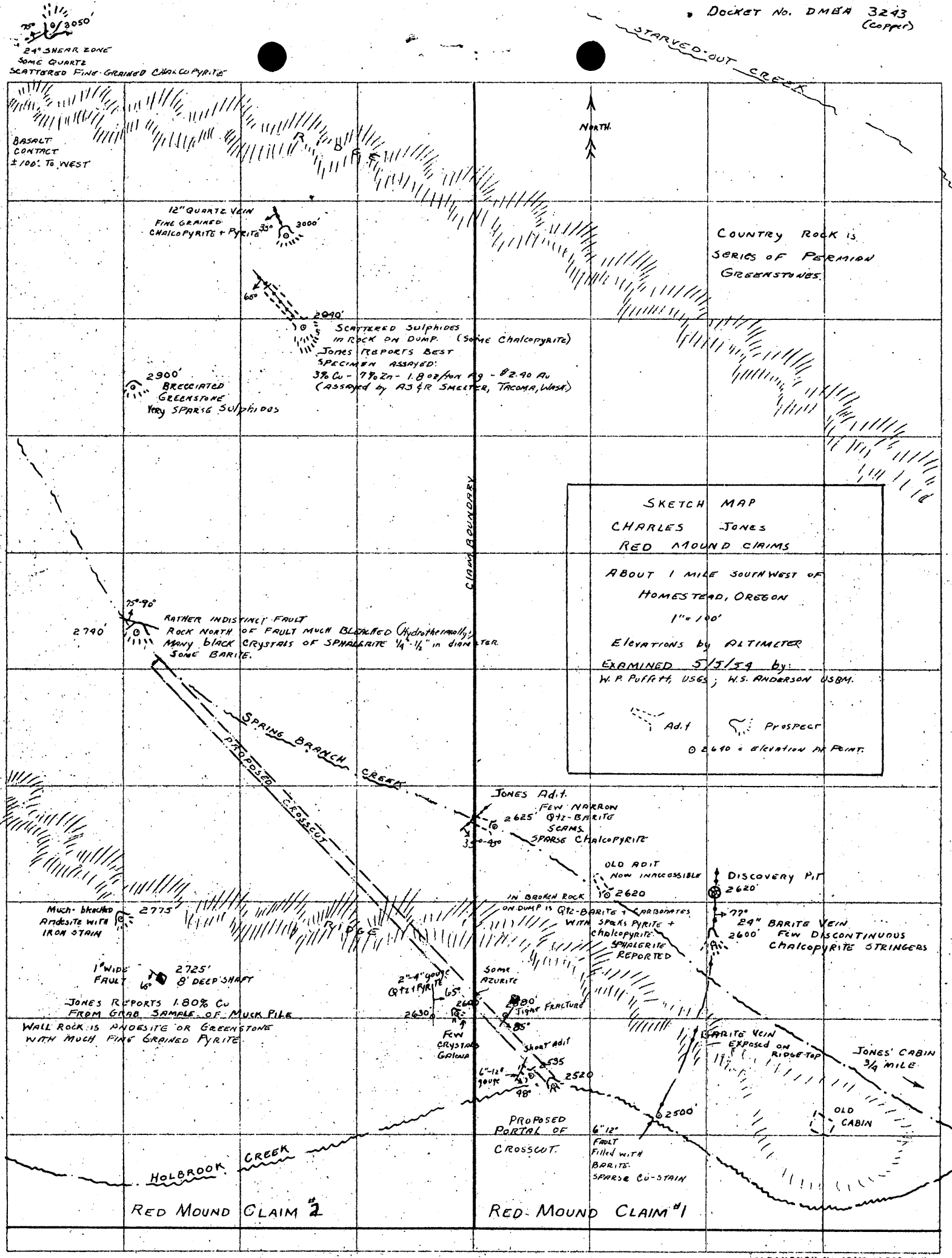
The applicant submitted figures for the costs of the adit which totalled $19,318.00, or an average of about $38.63 per foot.

The total estimated cost of the project as submitted by the applicant is $23,412.00.

The veins on the applicants property are too narrow and too sparsely mineralized to merit any additional exploration.

Enclosure 1
Distribution:
DMEA (orig. & 3)
USBM (2)
USGS (SRO)
Docket
Puffett

DOCKET NO. DMEA 3243 (COPPER)



"ALBANENE" No. 195M K&E CO., N.Y. REG. U.S. PAT. OFF.

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

Arnold

May 24, 1954

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

Re: Docket No. DMEA-3243 (copper)
Charles Jones
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USBM (2)
USGS (SRO)
Docket
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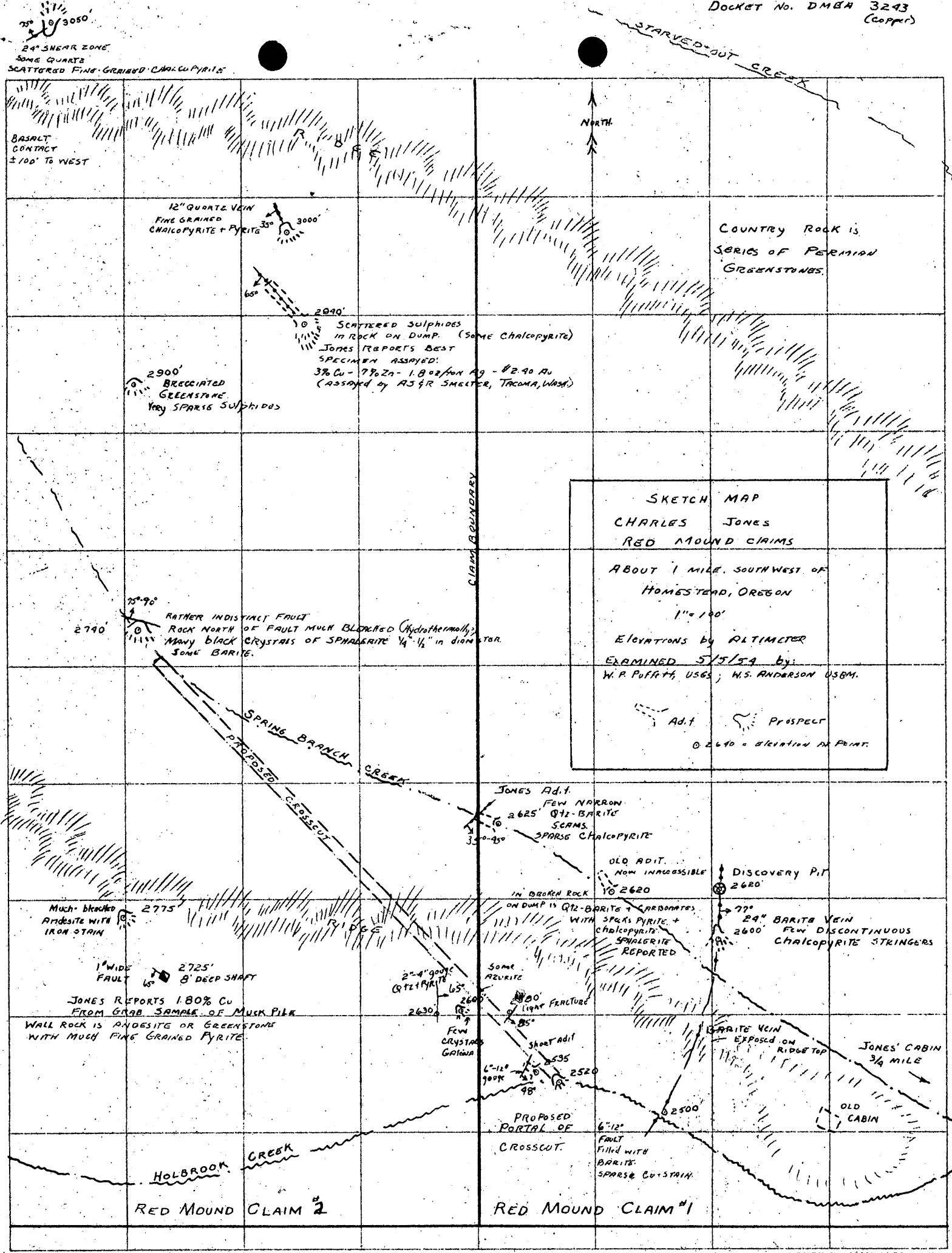
DOCKET NO. DMBA 3243
(COPPER)



"ALBANENE" NO. 193M KAECO., N.Y.
REG. U.S. PAT. OFF.

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

April 8, 1954

Docket

Mr. Charles A. Jones
Route 1, Box 284
Hermiston, Oregon

Re: Docket No. DMEA-3243 (Copper)
Red Mound Claims No. 1 & 2
Baker County, Oregon

Dear Mr. Jones:

We wish to acknowledge your letter of April 2 inquiring as to the status of your application. Before anything further can be done, it will be necessary to examine your property. This we haven't been able to do, of course, until weather permitted. Therefore, will you please inform us when weather conditions will permit an examination of your property. We are planning a trip to your area the latter part of this month, but if there's a chance that snow will obscure the surface of your property, we will delay the trip until conditions improve.

Yours very truly,

Willard F. Puffett
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
DMEA (2)
Puffett

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

Geochemical Branch

January 27, 1954

Memorandum

To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3243 (Copper) Charles A. Jones, Red Mound Prospect, Baker County, Oregon

I have reviewed the above-named application and should be glad to concur in a field referral if you so desire. I do not believe the proposed 500-foot tunnel could or should be approved for DMEA assistance without more convincing evidence regarding the surface showings. Mr. Jones may or may not have sampled the outcrops but he does not say so, neither does he give any useful information regarding the appearance as to the grade or the width of the oreshoots in the outcrops. Inasmuch as there is a fair chance that the property is inaccessible at the present time on account of snow, something might be gained by writing to Mr. Jones and asking him if he has any further information regarding the showings of mineral on the property that would be useful in reaching a decision on his application.

The application is returned herewith.

C. H. Johnson

C. H. Johnson

Attachment

Copy to - Minerals Division
Base Metals Branch (C. H. Johnson)
Files

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

January 27, 1954

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To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3243 (Copper) Charles A. Jones, Red Mound Prospect, Baker County, Oregon

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CHJohnson:ks

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BUREAU OF MINES
WASHINGTON 25, D. C.

January 27, 1954

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Attachment
CHJohnson:ks

Copy to - Minerals Division
Base Metals Branch (C. H. Johnson)
Files

IN REPLY REFER TO:

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

January 26, 1954

Memorandum

Re: DMEA-3243
Red Mound Prospect
Baker County, Oregon
423,412
Copper

To: Mr. W. R. Griswold

From: E. L. Newcomb

Subject: Review of application

The applicant proposes to explore several copper showings by driving a 500-foot adit which will test for possible veins at depth. Exposures of copper mineralization are indicated on the applicant's sketch map, but no substantiating geologic information has been submitted.

The transmittal memorandum from the field team states that a field examination of the property will be made in April or May.

We are returning our copy of the application to your office pending receipt of the field team report. Further consideration of the proposed work will be made after we have reviewed the field examination report.

E. L. Newcomb
E. L. Newcomb
Geologist

Attachments: Application
Map
Estimate sheet

IN REPLY REFER TO:

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

January 26, 1954

Memorandum

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Red Mound Prospect
Baker County, Oregon
$23,412
Copper

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From: E. L. Newcomb

Subject: Review of application

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Geologist

Attachments: Application
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Estimate sheet

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

January 26, 1954

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From: E. L. Newcomb

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Baker County, Oregon
$23,412
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

January 22, 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 - 3243 - Charles A. Jones

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

January 22, 1954
Subject: DMEA-3243
Re: Exploration Assistance
Red Mound Mine

Mr. Charles A. Jones
Rt # 1, Box 284
Hermiston, Oregon

Dear Mr. Jones:

The receipt of your application dated Jan. 11, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3243 and referred to the Base Metals Division.

Kindly refer to DMEA-3243 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

January 18, 1954

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

Re: Charles Jones' application (copper)
Red Mound Claims No. 1 and 2
Near Homestead, Baker County, Oregon

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Charles Jones, Route #1, Box 284, Hermiston, Oregon, for aid in an exploration project for copper ore on his claims along Holbrook Creek, near Homestead, Baker County, Oregon. Mr. Jones submitted a crude pencil sketch with his application which we have copied to submit with the application.

This property is strictly a raw prospect and thus there is little detailed information available concerning it. It does occur near the old Iron Dyke mine from which considerable production of copper, gold and silver has been obtained.

Mr. Jones visited our office prior to submitting this application and from conversations with him, it is evident that he is low on financial resources, but by doing the major share of the work himself, he may be able to successfully finance an exploration program.

To evaluate the merits of this application it will be necessary to examine the surface exposures, and because of winter weather it will not be possible to make this examination until April or May. We will schedule an examination of the property at that time.

Sincerely yours,

Willard P. Puffett

Willard P. Puffett
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure
cc: USBM (2)
Puffett

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

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

January 18, 1954

Mr. George C. Selfridge, Chairman
Operat[illegible] Committee, DMEA
Depar[illegible]t of the Interior
Washington 25, D. C.

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Red Mound Claims No. 1 and 2
Near Homestead, Baker County, Oregon

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Sincerely yours,

William P. Puffett
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure
cc: USBM (2)
Puffett

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
SEP 20

JAN 17 1954
U. S. G. S.
SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. 3243
Metal or Mineral Copper
Date Received
Estimated Cost $23,412 +
Participation (Government %) ~~$23,412 +~~

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: Chas. A. Jones After April 4, 1954 to Homestead, Oregon
Rt #1, Box 284
Hermiston, Oregon

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Filed at Baker, Oregon
Book 43 page 568 Claim #1
Book 43 page 570 Claim #2

(*b*) State any mine name by which the property is known. Red Mound Mine #1 & #2

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

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

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

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Under 3.(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.

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

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

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

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

(*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. Access road to tunnel site. 5X7 tunnel about 500 ft. to undercut about 200 ft.

(*c*) The work will start within About April days and be completed within 24 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. Lifelong miner + prospector

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

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? yes

(*b*) How do you propose to furnish your share of the costs?

☑ Money ☐ Use of equipment owned by you ☑ Other

Explain in detail on acompanying paper.

Labor

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated Jan 11, 1954

By Chas A Jones (Applicant)
R 1 — Box 284
Hermiston, Oreg.

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Chas. A. Jones
Rt #1, Box 284
Hermiston, Oregon

Estimate for Red Mound #1 & #2 Exploration Project
500 ft. long 5'x7'

Access Road

6(a)	Bulldozer 48 hrs. @ $12.50	600-	
6(b)	Labor 120 man days @ $16-	1920-	
6(c)	1 Powder 500# @ 22¢	110-	
	2 Cap, fuse	20-	
	3 Gasoline 200 gal @ 25¢	50-	
	4 Oil 20 qts @ 40¢	8-	
	5 Bits, carbide 6 @ $16-	96-	
	6 Transportation, Equipment + Materials 60 days @ $1-	60-	
	7 3 Culverts, 3000 ft lumber @ $60-	180-	
6(d)	Compressor, drill + Equipment 2 mos @ $100-	200-	
			3244-

Exploration Tunnel, 500 ft., 5'x7'

6(b)	Labor, 800 man days @ $16-	12800-	
6(c)	1 Powder 4000# @ 22¢	880-	
	2 Caps, electric 3000 @ 5¢	150-	
	3 Gasoline 1200 gals @ 25¢	400-	
	4 Oil 120 qts @ 40¢	48-	
	5 Bits, carbide 40 @ $16-	640-	
	6 Cribbing + posts 200 ft @ $6-	1200-	
	7 Air + water pipes 500 ft 1" @ 25¢, 500 ft ½" @ 15¢	200-	
	8 Railing, light 1000 ft @ 25¢	250-	
	9 Car, mining	150-	
	10 Transportation, materials + Equipment 400 days @ $1-	400-	
6(d)	Compressor, drill + Equipment 22 mos @ $100-	2200-	
			19318-
6(f)	Shed for compressor + tools	150-	
			150-
6(g)	1 Analytical work	200-	
			200-
	2 Workmen's compensation, employer's liability + taxes as required by state + federal laws		
6(h)	Contingencies	500-	
			500-
			23412-
			plus 6(g)2

Chas. A. Jones
R 1 Box 284
Hermiston, Oreg.

4 (a) Shallow tunnels, crosscuts, location holes.
Mostly open. Annual assessment work.
(b) No past production. Several vein croppings.
(c) Vein deposits, some talc seams. Copper, lead, zinc & silver showing. Some traces of nickel.
Quartz rhyolite and porphyry, some basalt dikes.
Wish to explore, for developement work to make commercial ore available.
(d) Approximately one one mile to state highway.
Distance to railroad on state highway is 24 miles, to Robinette, Ore.
Supply point is Robinette, Oregon, distance 24 miles.
Residence is 3/4 mile from proposed tunnel site.
(e) Manpower available.
Materials available.
Supplies available
Equipment available by leasing.
Water available about nine months of the year.
Electric power one mile. (Idaho Power Co.)
7 (b) My labor + money that will be available will furnish two workers.
Myself and one other.

Chas A Jones
R 1 Box 284
Hermiston, Ore.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED

JAN 12 1954
U. S. G. S.
WASH.

Defense Minerals Administration
RECEIVED

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

Not to be filled in by applicant

Docket No. 3243
Metal or Mineral Copper
Date Received
Estimated Cost $23,412.4
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Chas A. Jones After April 1, 1954 to Homestead, Oregon
Rt #1, Box 284
Hermiston, Oregon

(*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.

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Book 43 page 568 Claim #1
Book 43 page 570 Claim #2

(*b*) State any mine name by which the property is known. Red Mound Mine #1 + #2

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

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☑ Money ☐ Use of equipment owned by you ☑ Other

Explain in detail on acompanying paper.

Labor

CERTIFICATION

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Dated Jan 11, 1954

(Applicant)

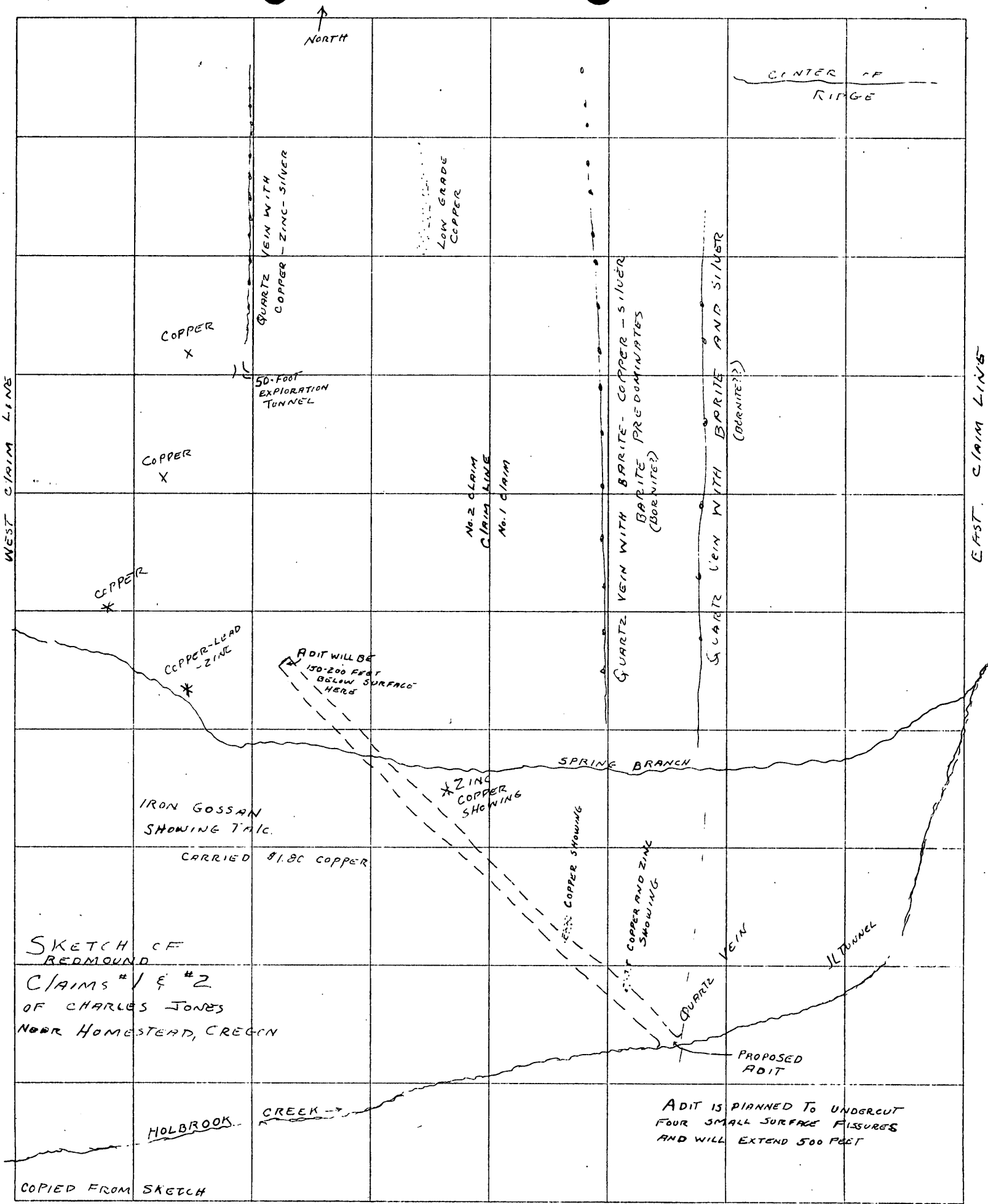
By Chas. A. Lowe

R. 1. — Box 284

Hermiston, Oreg.

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1



"ALBANENE" No. 165M K&E CO., N.Y. REG. U.S. PAT. OFF.

Chas. A. Jones
RE#1, Box 284
Hermiston, Oregon

Estimate for Red Mound #1 & #2 Exploration Project
500 ft long 5'x7'

Access Road

6(a)	Bulldozer 48 hrs. @ $12.50	600–	
6(b)	Labor 120 man days @ $16–	1920–	
6(c)	1 Powder 500# @ 22¢	110–	
	2 Caps, fuze	20–	
	3 Gasoline 200 gal @ 25¢	50–	
	4 Oil 20 qts. @ 40¢	8–	
	5 Bits, carbide 6 @ $16–	96–	
	6 Transportation, Equipment + materials 60 days @ $1–	60–	
	7 3 Culverts, 3000 ft. lumber @ $60–	180–	
6(d)	Compressor, drill + equipment 2 mos @ $100–	200–	
			3244–

Exploration Tunnel, 500 ft, 5'x7'

6(b)	Labor, 800 man days @ $16–	12800–	
6(c)	1 Powder 4000# @ 22¢	880–	
	2 Caps, electric 3000 @ 5¢	150–	
	3 Gasoline 1200 gals @ 25¢	400–	
	4 Oil 120 qts @ 40¢	48–	
	5 Bits, carbide 40 @ $16–	640–	
	6 Cribbing + posts 200 ft. @ $6–	1200–	
	7 Air + water pipe 500 ft 1" @ 25¢, 500 ft ½" @ 15¢	200–	
	8 Railing, light 1000 ft @ 25¢	250–	
	9 Car, mining	150–	
	10 Transportation, materials + Equipment ~~22 mos~~ 400 days @ $1/00	400–	
6(d)	Compressor, drill + Equipment 22 mos @ $100–	2200–	
			19318–
6(f)	Shed for compressor + tools	150–	
			150–
6(g)	1 Analytical work	200–	
			200–
	2 Workmen's compensation, employer's liability + taxes as required by state + federal laws		
6(h)	Contingencies	500–	
			500–
			23412–
			plus 6(g)2

Chas A Jones
R1 Box 284
Hermiston, Oreg.

4(a) Shallow tunnels, crosscuts, location holes.
Mostly open. Annual assessment work.
(b) No past production. Several vein croppings.
(c) Vein deposits, some talc seams. Copper, lead, zinc + silver showing. Some traces of nickel.
Quartz rhyolite and porphry, some basalt dikes.
Wish to explore, for developement work to make commercial ore available.
(d) Approximately one mile to state highway.
Distance to railroad on state highway is 24 miles, to Robinette, Or.
Supply point is Robinette, Oregon, distance 24 miles.
Residence is 3/4 mile from proposed tunnel site.
(e) Manpower available.
Materials available.
Supplies available.
Equipment available by leasing.
Water available about nine months of the year.
Electric power one mile. (Idaho Power Co.)

7. (b) My labor + money that will be available will furnish two workers.
Myself and one other.

Chas. A. Jones
R 1 - Box 284
Hermiston, Ores.

Bureau of Mines
DEPARTMENT OF THE INTERIOR
RECEIVED
JAN 2 0 1954
BASE METALS BRANCH

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

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

Not to be filled in by applicant

Docket No. 3243
Metal or Mineral Copper
Date Received
Estimated Cost $23,412 +
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Chas. A. Jones After April 1, 1954 to Homestead, Oregon
RT #1, Box 284
Hermiston, Oregon

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Filed at Baker, Oregon
Book 43 page 568 Claim #1
Book 43 page 570 Claim #2

(*b*) State any mine name by which the property is known. Red Mound Mine #1 + #2

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

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

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

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Under 3.(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.

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

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

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

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

(*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. Access road to tunnel site. 5X7 tunnel about 500 ft. to undercut about 200 ft.

(*c*) The work will start within about 90 days and be completed within 24 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. Life long miner + prospector

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

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

(*b*) How do you propose to furnish your share of the costs?

☑ Money ☐ Use of equipment owned by you ☑ Other

Explain in detail on acompanying paper.

Labor

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated Jan 11, 1954

By Chas A Jones (Applicant)
R 1 Box 284
Hermiston, Oreg.

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

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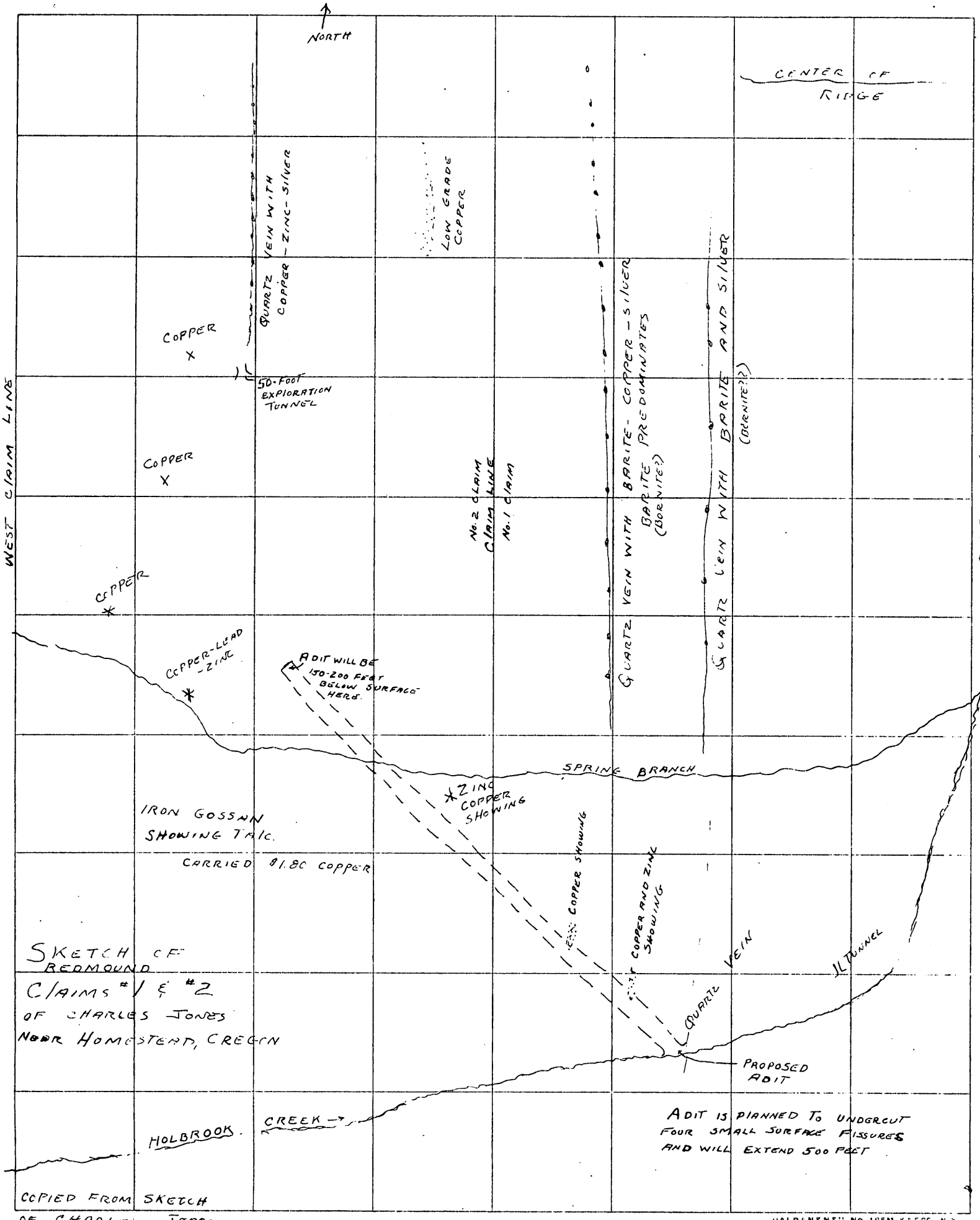

SKETCH OF REDMOUND CLAIMS #1 & #2 OF CHARLES JONES NEAR HOMESTEAD, OREGON

COPIED FROM SKETCH OF CHARLES JONES.

"ALBANENE" No. 165M K&E CO., N.Y. REG. U.S. PAT. OFF.

Chas A. Jones
Rt#1, Box 284
Hermiston, Oregon

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			3244—
	Exploration Tunnell, 500 ft, 5'x7'		
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	7 Air + water pipe 500 ft 1" @ 25¢, 500 ft 1/2" 15¢	200—	
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	9 Car, mining	150—	
	10 Transportation, materials + equipment 400 days @ $1—	400—	
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			23412—
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Hermiston, Oreg.

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Supplies available.
Equipment available by leasing.
Water available about nine months of the year.
Electric power one mile. (Idaho Power Co.)
7.(b) My labor & money that will be available will furnish two workers.
Myself and one other.

Chas A Jones
R 1 Box 284
Hermiston, Ores.

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Mr. Geo. C. Selfridge Room 4624 ~~[illegible]~~	RUN STOP		RUN STOP
DMEA - 3243 Mayn	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP

Send surplus envelopes to supply room for reissue.

Use other side

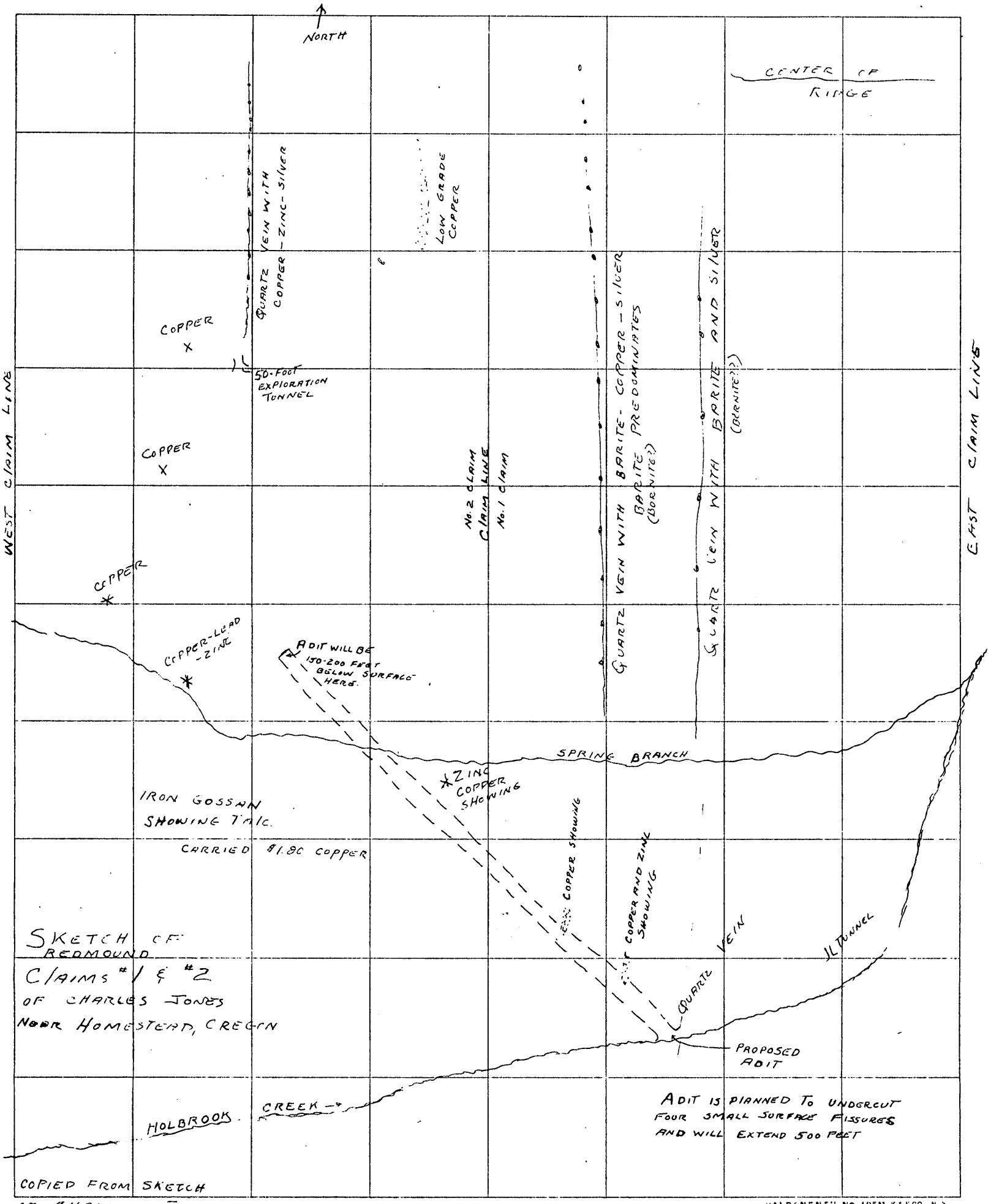
16—38949a-2

Use RUN and STOP only when messenger service between Government buildings in Washington is required.
Your mail room has RUN and STOP information.

Between Claims 1 and 2.

Barite Predominates

Barite Predominates



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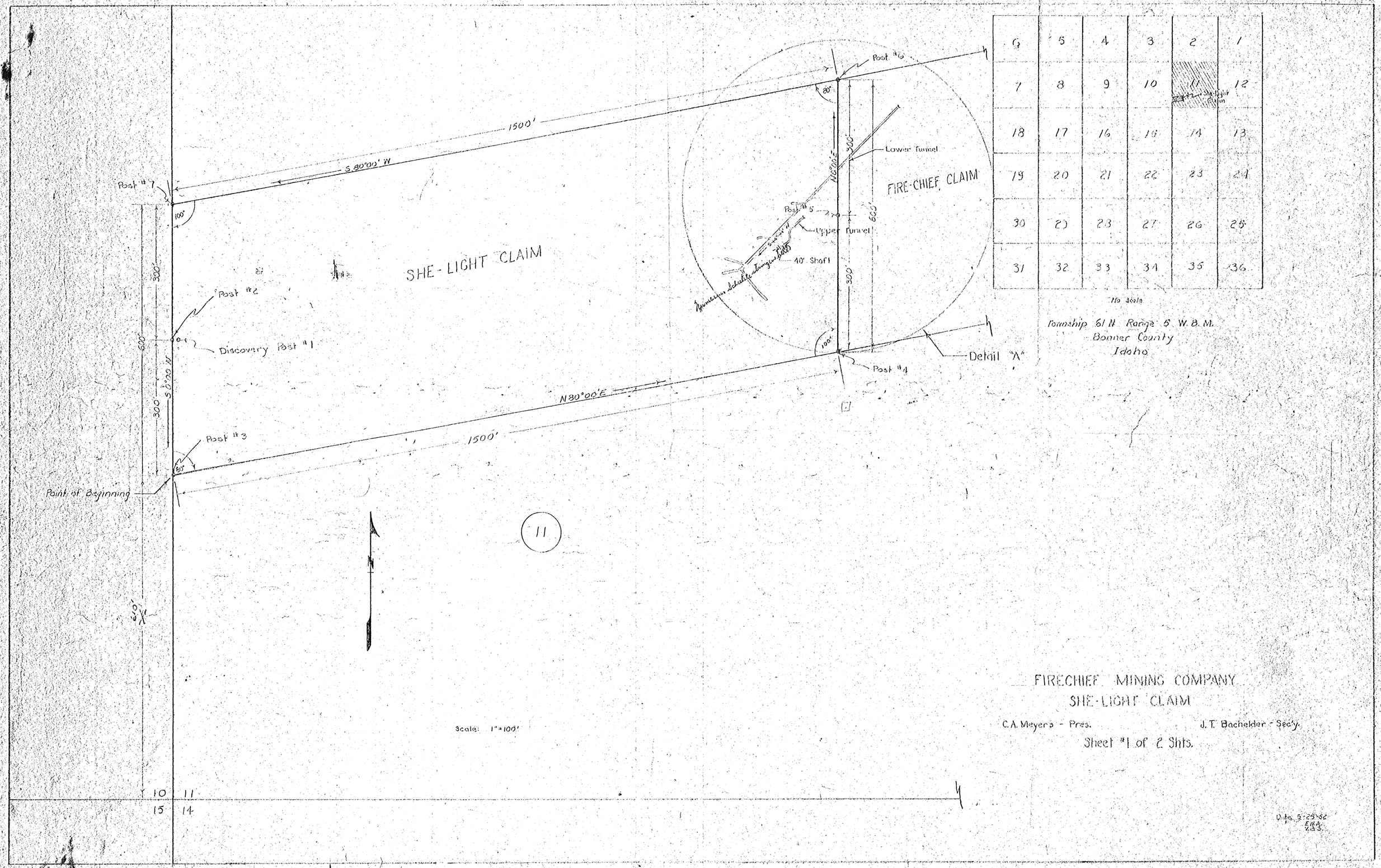

FIRECHIEF MINING COMPANY
SHE-LIGHT CLAIM

Scale: 1" = 100'

C.A. Meyers - Pres. J.T. Bachelder - Sec'y.

Sheet #1 of 2 Shts.

Date 5-25-52
EWA
V.A.S.