DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4-70

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓Application and attachments to DMEA
(3) ✓Envelope for maps
Trans. 4687

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

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

RECEIVED
MAR 19 1956

March 16, 1956

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

Re: New application
(Copper-Silver-Lead)
Robert T. Curtiss
Calumet Claims
Snohomish Co., Washington

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Robert T. Curtiss, Monroe, Washington. A previous application was denied November 28, 1952 (Docket No. DMEA-2434).

Sincerely yours,

Wing G. Agnew
Acting Executive Officer, DMEA
Field Team, Region I, NW Dist.

cc: USBM (2)
Kellum

all attachments &
applin trans to
4687

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 4220

DO NOT DETACH THIS SLIP

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

Cy s to USGS, USBM

This document has been recorded as

EXPLORATION

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

Routing Slip

To:	Base Metals Div.	Date	3-20-56
To:	Oper Comm	Date	3-28-56
To:	F.E. Johnson	Date	3-30-56
To:	[illegible]	Date	3-30-56
To:	Base Metals	Date	4/2/56
To:	130	Date	2-5-57
To:	110	Date	2-6-57
To:		Date	
To:		Date	
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To:		Date	
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To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

FORM 20 -1-56 G.A.R. LTD.

BRITANNIA MINING AND SMELTING CO. LIMITED
EXPLORATION DIVISION
313 ROYAL BANK BUILDING
VANCOUVER 2, B.C.

EXTRA COPY
D M & A
RECEIVED FEB 5
DATE | INITIALS | CO

CALUMET PROSPECT

SULTAN BASIN - SNOHOMISH COUNTY

EXCERPTS FROM REPORT OF J. LAMB (GEOLOGIST)

FOR BRITANNIA MINING AND SMELTING CO. LIMITED, 1956.

CONCLUSION AND RECOMMENDATIONS

The Calumet Vein of the Sultan Basin Mining Company is a strong structure and is known to be at least 900 feet long. It contains erratic values in gold, silver and copper, some of which are quite high. The mineralization is discontinuous and lensy in character. The vein has, however, some chance of making a mineable orebody and for this reason is worth some interest. A modest program of diamond drilling is feasible, owing to the steep topography.

The writer recommends that if an option agreement can be made with the owners, the above program should be carried out.

COPY

EXCERPTS FROM REPORT OF H. B. SMITH (GEOLOGIST)

FOR HOME SOUND COMPANY, 1951

GEOLOGY

The Calumet Vein is 5 to 10 feet wide, strikes N42W to N70W, dips steeply to the southwest and is enclosed in metamorphic rocks. It consists of quartz, pyrite, chalcopyrite and sphalerite.

Samples	Cu	Au	Ag	Zn
5.3 ft @	1.95%	0.22oz.	2.80 oz.	-
6 ft @	2.34%	tr	0.92 oz.	1.51%

CONCLUSION

The prospect shows some good mineralization. More work is needed to determine its possibilities.

RECOMMENDATION

Worthy of future attention.

RECEIVED
JAN 22 1957
U. S. G. S.
SPOKANE, WASH.

DRILLING PROGRAM - CALUMET VEIN

COST ESTIMATES

1.	Engineering Asst.	
	4 months @ $425	$ 1700.00
	Casual labor	
	one man 4 months @ $350	1400.00
	cook - one man 3 months @ $400	1200.00
2.	2400 ft. of diamond drilling (AX) @ $6.25/ft based on discussion with Lynch Bros. D.D. contractors	15000.00
3.	Transportation of supplies and equipment to Sultan Basin	100.00
4.	Helicopter transportation	1200.00
5.	Food and supplies for 7 men for 3 months	1900.00
6.	Sundry supplies and camping equipment and erection of shelters	1500.00
		$ 24000.00

EXTRA COPY
D M E A
RECEIVED
DATE | INITIALS | CODE

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

February 8, 1957

Mr. John Lamb, Geologist
Britannia Mining and Smelting Co., Ltd.
Exploration Division
313 Royal Bank Building
Vancouver 2, B. C.

Re: Docket No. DMEA-4220 (Copper)
Robert Truman Curtiss
Calumet Claims
Snohomish County, Washington

Dear Mr. Lamb:

This will acknowledge your letter of February 4, 1957, regarding the Calumet property. The information in Mr. Curtiss' application was very scant and the maps not very informative. The very brief excerpts that you give in your letter of January 15, 1957, plus the one assay you cite, do not add very much to what we already know.

The very fact that two experienced geologists, such as yourself and Mr. Smith, regard the property as worth further work will be given considerable weight. Nevertheless, we do have to appraise each application and this appraisal must of necessity be based on fact. I am sure you will appreciate that the more facts an applicant presents, the quicker a satisfactory decision can be reached. We realize that because of the rugged terrain at the Calumet property, there is a limited amount of detailed information that can be obtained at a reasonable expenditure of time and effort, but we do feel that more information than we have at present would be very desirable. A more summary of why you as an experienced geologist believe that this property has a better than average chance to make a mine would be a great help and almost certainly would permit faster action on your proposal. Any additional assay data collected during your examination would also be helpful, as would any other pertinent information that you can give. We do not feel that with the present meagre data available to us, we are in a position to present a strong case one way or the other.

By Field Team, Region I, NW District

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

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

cc: DMEA (2) w/2 copies of incoming
USBM (2)
Kellum

BRITANNIA MINING AND SMELTING CO., LIMITED

EXTRA COPY
DMEA
RECEIVED FEB [illegible] 57

DATE	INITIALS	CODE

HOWE SOUND COMPANY
NEW YORK CITY

SUBSIDIARIES

BRITANNIA MINING AND SMELTING CO. LIMITED

- HEAD OFFICE
  BRITANNIA BEACH, B.C.
- (BRITANNIA DIVISION)
  BRITANNIA BEACH, B.C.
- (SNOW LAKE DIVISION)
  SNOW LAKE, MANITOBA
- (EXPLORATION DIVISION)
  406 ROYAL BANK BUILDING
  TORONTO 1, ONTARIO
- (EXPLORATION DIVISION)
  313 ROYAL BANK BUILDING
  VANCOUVER 2, B.C.

HOWE SOUND COMPANY
(CHELAN DIVISION)
HOLDEN, WASH.

CALERA MINING COMPANY
COBALT, IDAHO

REFINERY
GARFIELD, UTAH

EL POTOSI MINING COMPANY
CHIHUAHUA, MEXICO

CIA INDUSTRIAL "EL POTOSI" S.A.
CHIHUAHUA, MEXICO

A. [illegible]
Exec[illegible] Director,
[illegible]
South [illegible] Forward St.,
Spokane, Washington.

Dear Sir: Re: Docket No. DMEA 4220 (Copper)

Your letter of January 29th arrived to-day. I am having a photostat sent to you of the option agreement.

Although Britannia Mining and Smelting Company is a subsidiary of Howe Sound Company, the application for DMEA assistance is coming from the latter. My letter may not seem [illegible] from that point.

[illegible] reports [illegible] the support [illegible] substantial [illegible] reports [illegible] neither of our [illegible] relatively [illegible] great [illegible] have, however, both had a great deal of experience [illegible] operating mines and in exploration and [illegible] properly [illegible] better-than-average chance [illegible] a mine. [illegible] Company is now prepared [illegible] carry out detailed mapping concurrently with the [illegible] drilling.

[illegible] you I remain,

Yours truly,

John Lamb,
Geologist.

JL/g

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Klugescheid	500
	[illegible]	500
2/6	Selfridge	130
2/6	Johnson	110

FEB 7 1957

Mr. Robert Truman Curtiss
RFD #1, Box 156
Monroe, Washington

Re: Docket No. DMEA-4220 (Copper)
Robert Truman Curtiss
Calumet Claims
Snohomish County, Washington

Dear Mr. Curtiss:

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

Inasmuch as you have given a lease and option to the Howe Sound Company, the conditions of which are unknown to us, we will consider your application as having been withdrawn.

We regret the necessity of taking such action, however, it is taken without prejudice to your proposed project. If at some future time conditions should be such, that you would desire to reopen this case, you may do so by filing a new application, referring to the subject application by the DMEA Docket No., and furnishing any new information which may have become available. Should the Howe Sound Company wish to make an application, it should also refer to the subject application by the DMEA Docket No.

Sincerely yours,

C. O. Mittendorf

Administrator

WPKlugescheid/er 2/5/57
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/5	Klugescheid	500

500

February 5, 1957

Memorandum

To: Chief, Division of Operations Control and Statistics

From: Chief, Base Metals Division

Subject: Withdrawal of Application, Docket No. DMEA-4220 (Copper) Robert Truman Curtiss, Calumet Claims, Snohomish County, Washington.

The cited application, undated, was received in this office March 20, 1956.

The Applicant proposed exploring a wide and persistent shear zone by means of 3,000 feet of diamond drilling. The surface showings are almost completely oxidized. The underground exploration necessary would require a greater outlay of money than the Applicant has at his disposal. The total estimated cost of the project was $27,010.62.

The Field Team was unable to make a field examination until recently due to inaccessibility of the property because of snow. Since the examination was made, Mr. Curtiss has negotiated a lease and option agreement with the Howe Sound Company.

The Field Team, in a letter dated January 14, 1957, stated:

"The results of this examination and an evaluation of available information regarding the property indicate that more detailed information is needed before an exploration program can be justified."

The Field Team recommended that the application be denied without prejudice to the property, as it is no longer controlled by Mr. Curtiss. The Commodity members of the Geological Survey and the Bureau of Mines concurred with the findings of the Field Team.

We considered that there was no real cause for a denial and that a withdrawal without prejudice to the property would be just as effective. No report of examination has been turned in.

W. R. Griswold

WPKlugescheid/er
Copy to: Docket
Base Metals
Chron.

W. R. Griswold

A.G.
8623

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

February 5, 1957

Memorandum

To: Chief, Division of Operations Control and Statistics

From: Chief, Base Metals Division

Subject: Withdrawal of Application, Docket No. DMEA-4220 (Copper) Robert Truman Curtiss, Calumet Claims, Snohomish County, Washington.

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We considered that there was no real cause for a denial and that a withdrawal without prejudice to the property would be just as effective. No report of examination has been turned in.

W R Griswold

W. R. Griswold

EXTRA COPY DMEA RECEIVED FEB 1957		
DATE	INITIALS	CODE
January 30, 1957		

xxxxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

Mr. John Lamb, Geologist
Britannia Mining and Smelting Co., Ltd.
Exploration Division
313 Royal Bank Building
Vancouver 2, B. C.

Pending

Re: Docket No. DMEA-4220 (Copper)
Robert Truman Curtiss
Calumet Claims
Snohomish County, Washington

Dear Mr. Lamb:

This will acknowledge receipt of your letter of January 15, 1957, addressed to Mr. E. A. Magill, in which you advise us that Howe Sound Company holds an option to purchase the property of the Sultan Basin Mining Company, and that Britannia Mining and Smelting Company, Limited, wishes to take over an application for exploration on this property submitted by Mr. Curtiss.

When Mr. Curtiss closed on your option to purchase, he ceased to control the claims on which he wished to explore, unless, as he says is the case for the Mint claims, there is an exclusion for a sufficient period of time to allow completion of the project. We, therefore, recommended that Mr. Curtiss' application be denied without prejudice.

Your letter requesting a contract with your company for essentially the same work as contemplated by Mr. Curtiss has been forwarded to our Washington, D. C. office. Accompanying your letter were excerpts from a report by J. Lamb (presumably yourself) prepared in 1956 for Britannia Mining Company and from a report by H. B. Smith prepared in 1951 for Howe Sound Company. The information contained in your application is scanty and it would be helpful in considering your proposal if you would send us three copies of each report or at least copies of the pertinent parts.

We have asked Mr. Curtiss for a copy of the purchase option but have not yet received a reply. It is necessary that we have a signed copy, or a photostat of a signed copy of this document before your application can be fully processed. It would be to your advantage to forward us a copy in case we do not receive one from Mr. Curtiss. From your letter it appears that Howe Sound Company holds the option, but that Britannia Mining Company is requesting the DMEA assistance. If this is so, we will also need a properly executed assignment of the option to Britannia Mining Company.

By Field Team, Region I, NW Dist.

A. E. Weissenberg, Exec. Officer
U. S. Geological Survey

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

cc: DMEA (2)
UBBM (2)
Kellum

EXECUTIVE COPY
DMEA
RECEIVED FEB 5 1957
DATE | INITIALS | CODE

So. 157 Howard Street
Spokane 4, Washington

January 29, 1957

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

Re: Docket No. DMEA-4220 (Copper)
Robert Truman Curtiss
Calumet Claims
Snohomish County, Washington

Dear Mr. Selfridge:

Enclosed are three copies of a letter dated January 15, 1956, from John Lamb, geologist for the Britannia Mining and Smelting Company, a unit of the Howe Sound Company, addressed to E. A. Magill, engineer of the Bureau of Mines, in which he confirms that Howe Sound Company holds an option to purchase the claims of the Sultan Basin Mining Company and wishes to take over an application submitted by R. T. Curtiss (Docket DMEA-4220) for aid to explore on these claims.

As stated in our letter of January 14, 1957, regarding Docket DMEA-4220, the results of a field examination we made October 8, 1956, and an evaluation of available information regarding the Calumet claims indicate that more detailed information would be desirable in considering an exploration program. We had hoped that should Howe Sound Company apply for DMEA aid they would include enough additional data so that, with the information we have, we could fairly judge the merits of the property and their proposal. However, they have included only very brief excerpts from two reports, one by John Lamb, the other by H. B. Smith who is also a geologist for Howe Sound Company, and an estimate of costs for their proposed drilling. We will request copies of the two reports from which the excerpts were taken, and as soon as they are received will prepare a field report. It will not be necessary to make another field examination.

In accordance with your letter of January 8, 1957, we have written to Mr. Curtiss for a copy of the option to purchase, in connection with his requested amendment for more work on the Mint claims, Docket DMEA-2435, but as yet have received no reply.

We have not asked Mr. Lamb to present a complete formal application as his letter, combined with Mr. Curtiss' application, contains all the information required. For purposes of appraisal of the property and the program proposed by Mr. Lamb, we can see no difficulty in combining the information in Mr. Lamb's letter with that in Mr. Curtiss' request and the data we have from our field examination of October 8, 1956.

By Field Team, Region I, NW Dist.

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

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

Enclosures

cc: USBM (2)
Kellum

-56 G.A.R. LTD.

BRITANNIA MINING AND SMELTING CO. LIMITED

EXPLORATION DIVISION
313 ROYAL BANK BUILDING
VANCOUVER 2, B.C.

January 15th, 1956.

EXTRA COPY
D M E A
RECEIVED FEB 5 1957

DATE	INITIALS	CODE

Mr. E. A. Magill,
215 Federal Bldg.,
Seattle 4, Washington.

Dear Mr. Magill:

In reference to Application by R. T. Curtiss for DMEA contract to diamond drill the Calumet Vein

Sultan Basin Mining Company,
Snohomish Co. Washington.

X COPY

Howe Sound Company now holds an option to purchase the above-named property and intends to explore the Calumet Vein by diamond drilling, during the current year. In this regard we wish to take over Mr. Curtiss' application for a contract based on unit drilling costs of 9 dollars per foot.

Enclosed in quadruplicate are the following:

a. Cost Estimates for proposed drill program

b. Excerpt from Report of H.B. Smith, Chief Geologist, Exploration Div. Salt Lake City, Howe Sound Company.

c. Excerpt from Report of J. Lamb, Geologist, Vancouver Exploration Div. Britannia Mining and Smelting Co. Limited

d. A map of surface showings of Calumet Vein and a map of the west end of the Vein indicating the proposed drilling plan.

You will see from the map that our program is very similar to that of Curtiss except that it is concentrated more towards the western end of the vein. Briefly it is as follows: Starting at △ where the Vein crosses the ridge a series of holes are to be drilled at one hundred foot intervals along the vein. At each setup it is proposed to drill two holes northward to intersect the vein, one inclined at -30° and the other at -50°, the aggregate footage approximating 350 feet. The total footage drilled from all the locations will be about 2100 ft. The remaining three or four hundred feet will be drilled to further test the most promising zones.

Trusting that our application will be favorably received I remain,

Yours truly,

John Lamb

John Lamb,
Geologist.

RECEIVED
JAN 22 1957
U. S. G. S.
SPOKANE, WASH.

JL/g

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

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 31 1957

DATE	INITIALS	CODE
1-31	CW	220
1-31	WPK	500

January 30, 1957

Memorandum

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

From: Commodity Specialist, Branch of Base Metals

Subject: Denial of application, Docket No. DMEA 4220 (copper), Robert Truman Curtis, Calumet Claims, Snohomish County, Washington. $27,010.62

The Field Team reports that the results of an examination indicate the need for more detailed information before an exploration program can be justified. They also advise that Mr. Curtis has leased the property to Howe Sound Mining Company. Because Mr. Curtis does not now have control of the Calumet Claims the Field Team Recommends that his application be denied without prejudice to the property.

I concur in this recommendation.

A. D. McMahon
A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U. S. G. S.
F. D. Lamb
F i l e s

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 31 1957

DATE	INITIALS	CODE
1-31	C	220
1-31	WPK	500
Memorandum		

January 28, 1957

Re: DMEA 4220
Robert Truman Curtiss
Calumet Claims
Snohomish County, Wash.
$27,010.62 - Copper

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of memorandum to Chairman of Operating Committee.

The applicant has optioned the referenced property to The Howe Sound Company.

Because the Field Team lacks the information deemed necessary to enable it to judge the work program the Field Team recommends that a denial without prejudice of this application be made. Howe Sound probably will file an application.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

RECEIVED
DEC 27 1956
D.M.E.A.

xxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

December 20, 1956

Mr. J. S. Roper
Chelan Division
Howe Sound Company, Inc.
Holden, Washington

Dear Mr. Roper:

We understand that you have leased the Calumet claims from Mr. Robert T. Curtiss of Monroe, Washington. Mr. Curtiss has requested DMEA assistance to explore on these claims. If you have leased them from him, we would appreciate hearing from you so that we can discontinue processing his application.

Sincerely yours,

A. E. Weissenborn

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

cc: DMEA (2)
USBM (2)
Kellum

(Docket No. DMEA-4220 (Copper), Robert Truman Curtiss, Calumet Claims, Snohomish County, Washington)

April 24, 1956

~~Hyperlink~~
Betty

Mr A.E.Weissenborn
Executive officer, DMEA
Field Team, Region 1
Northwest District
So. 157 Howard Street
Spokane 4, Wash.

Docket

Re: Docket No.DMEA-4220 (Copper)
Robert Truman Curtiss
Calumet Claims
Snohomish County, Wash.

Dear Mr Weissenborn:

The heavy snow pack in the hills is going to keep me off of the Calumet Claims until about July 15, 1956. If the weather should change the date, I will advise you immediately.

Very Sincerely,

RFD #1 Box 156
Monroe, Wash.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
APR 9 - 1956

April 4, 1956

Mr. Robert T. Curtiss
Box 156, RFD #1
Monroe, Washington

Docket

Re: Docket No. DMEA-4220 (Copper)
Robert Truman Curtiss
Calumet Claims
Snohomish County, Washington

Dear Mr. Curtiss:

We have been asked to make an examination of your property in connection with your recent DMEA application for aid in an exploration project.

Will you please inform this office when the property is accessible, and we will then schedule an examination.

Sincerely yours,

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

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

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

RECEIVED
MAR 22 1956
Betty

March 21, 1956

Memorandum

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

From: J. W. Pennington, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4220 (lead, silver, copper), Robert T. Curtiss, Calumet Claims, Snohomish County, Washington, $27,010.62.

It is proposed to explore the Calumet Claims by 16 drill holes aggregating about 3,000 feet at an estimated cost of $27,010.62. Due to an error in the applicant's calculation, total cost should be $26,955.62.

According to the information submitted, the area is mineralized and seems to warrant further exploration.

The modest drilling program proposed appears sound and should attain the objective.

I believe that a Field Team examination should be made of the property and recommend that the application be referred to the Field Team.

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
R. W. Geehan
F i l e s

IN REPLY REFER TO:

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

RECEIVED
MAR 23 1956

March 23, 1956

Re: DMEA 4220
Robert T. Curtiss
Calumet Mine
Snohomish Co., Wash.
$27,010.62 - Copper

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application.

The applicant requests assistance in exploring a 1000-foot long mineralized fracture zone from 10 to 40 feet wide in an area underlain by metamorphosed Paleozoic sediments and Tertiary granitic rocks. The iron-stained zone extends across the length of the Calumet claim, which is a claim in the Sultan Basin group.

A contract, Idm-E417 (Docket No. DMEA 2435), covering exploration in the Iowa mine section of the group is in effect. As of July 7, 1955, the work was recessed on account of a snowslide. No subsequent report is at hand.

In 1952, Curtiss and Rogers filed an application for work on the Calumet claim. The application, DMEA 2434, was denied. The examiner, W. P. Puffett, reported under date September 18, 1952, "The assay results obtained from samples taken along the mineralized zone indicate that the grade of the zone is too low to merit further exploration."

In 1951, Mr. Joseph Mills recommended the property, not necessarily the Calumet claim, to his principals, the American Smelting and Refining Co. Under date of January 4, 1956, J. H. Parliament says he recommended the Calumet to 'his company', the Granby Cons. M. S. & P. Co., perhaps in 1955.

The price of copper has risen, since the application of 1952, DMEA 2434, was filed and denied, but not enough to render the material, in Sultan Basin, sampled by Puffett, ore. E. A. Magill, of the U. S. Bureau of Mines, who accompanied Puffett on the examination now, March 6, 1956, recommends careful consideration of the current application, "with a possible re-examination of the property itself."

I do not concur with the engineer's recommendation, but consider referral to the Field Team justified. It should have late information concerning work in the Iowa mine.

N. E. Nelson

N. E. Nelson

March 20, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region INW

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region I NW

DMEA-4220 Robert Truman Curtiss

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

Subject: DMEA-4220
Re: Iowa Group

Robert Truman Curtiss
RFD#1, Box 156
Monroe, Washington.

March 20, 1956

Dear Sir:

The receipt of your application dated (no date) for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4220 and referred to the Base Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

DMEA Field Team, Region I

RECEIVED
MAR 19 1956

March 6, 1956

E. A. Magill

DMEA application, Robert T. Curtiss, Monroe, Wash. (Calumet Claims)

Attached is a DMEA application from Robert T. Curtiss for an exploration loan on the Calumet Group, Snohomish County, Washington. Mr. Curtiss presently has a DMEA loan on the Mint Claims,(Docket No. DMEA 2435, Contract Idm-E417).

The Calumet claims were included in the original application at the time a contract was given for work on the Mint claims. As I remember, Willard Puffett and I made an examination of them at the same time as we did the Mint claims. I do not have a copy of our examination report, but as I remember we weren't too favorably impressed, mainly because of the rather inaccessible location of the property. However, by use of a helicoptor to deliver supplies along with a much higher copper price, the economics at least of the deposit have certainly changed.

I believe that careful consideration should be given to Mr. Curtiss' proposal along with a possible reexamination of the property itself. The shear zone along which the copper mineralization occurs is large enough so that tonnage could be developed very rapidly.

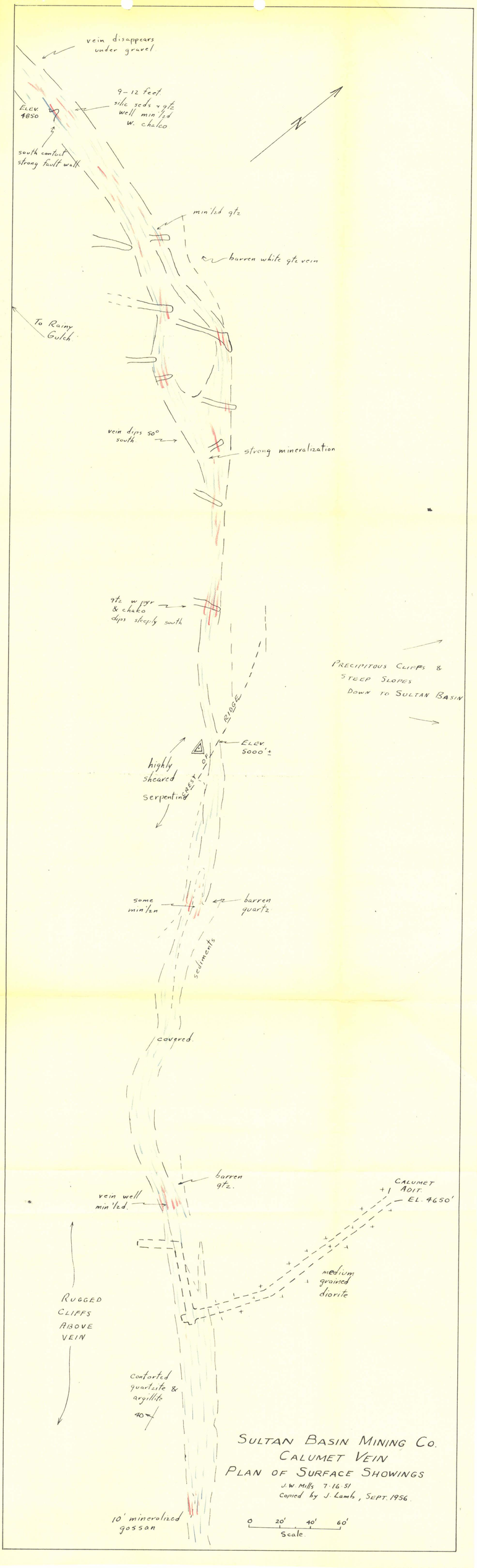
From the Government's standpoint I would think that if a project were to be entered into it should be strictly on a unit cost basis. From talking to Mr. Curtiss it is apparent that a unit cost basis is perfectly satisfactory to him. Apparently he has the money available to carry out the program proposed.

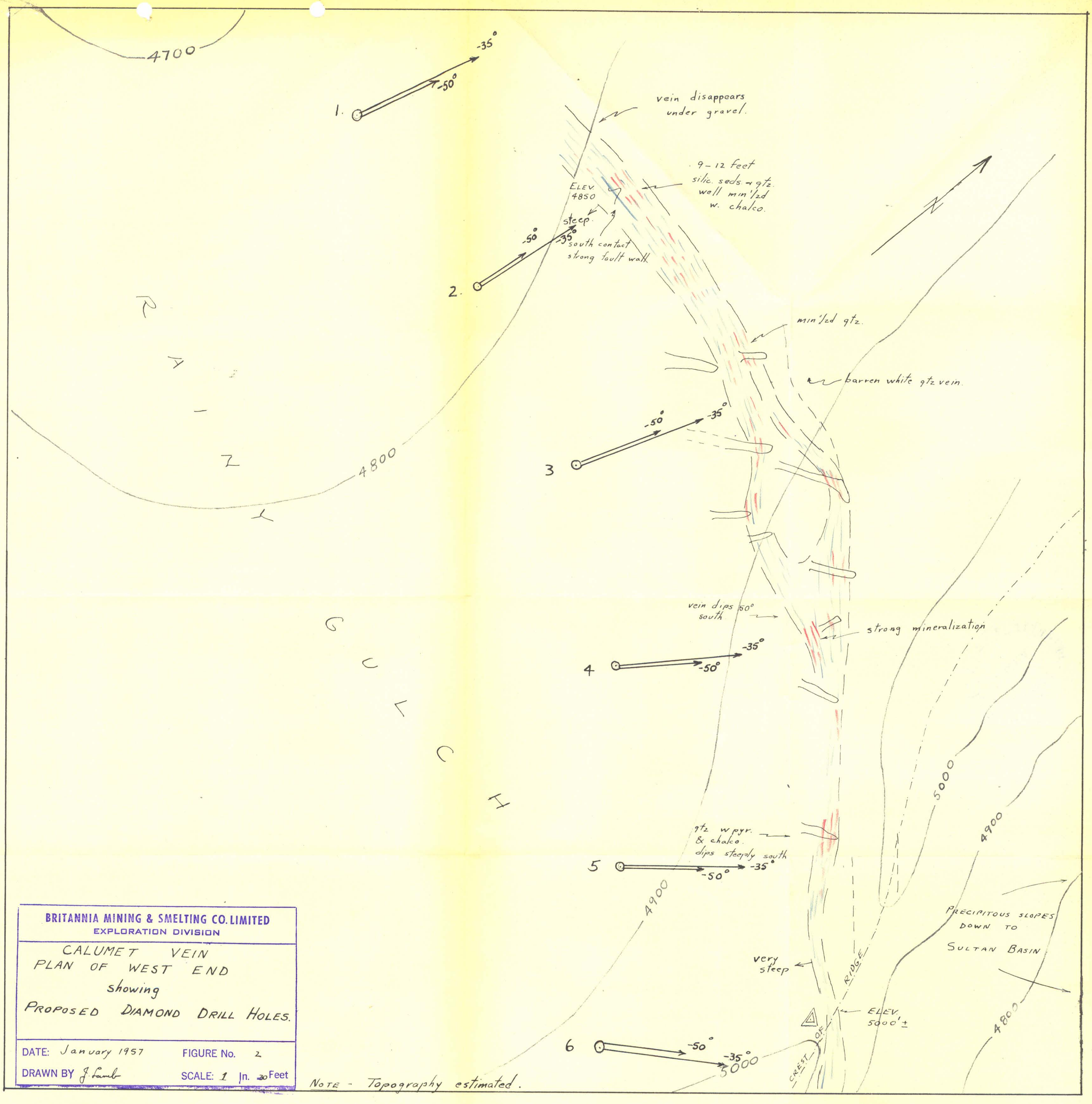
cc: USGS (2)

E. A. Magill

Note to files: See Docket No. DMEA 2434--Calumet Lode Mining Claim denied Nov. 28, 1952.

RECEIVED
MAR 9 1956
U. S. G. S.
SPOKANE, WASH.


vein disappears under gravel
9-12 feet silic seds + qtz well min'zd w. chalco
ELEV. 4850
south contact strong fault wall
min'zd qtz
barren white qtz vein
To Rainy Gulch
vein dips 50° south
strong mineralization
qtz w pyr & chalco dips steeply south
PRECIPITOUS CLIFFS & STEEP SLOPES DOWN TO SULTAN BASIN
RIDGE
ELEV. 5000'±
highly sheared serpentine
CREST
some min'zn
barren quartz
sediments
covered
barren qtz.
vein well min'zd.
CALUMET ADIT EL. 4650'
medium grained diorite
RUGGED CLIFFS ABOVE VEIN
contorted quartzite & argillite
40
10' mineralized gossan
0 20' 40' 60'
Scale
SULTAN BASIN MINING CO.
CALUMET VEIN
PLAN OF SURFACE SHOWINGS
J.W. Mills 7-16-51
Copied by J. Lamb, SEPT. 1956.



BRITANNIA MINING & SMELTING CO. LIMITED
EXPLORATION DIVISION

CALUMET VEIN
PLAN OF WEST END
showing
PROPOSED DIAMOND DRILL HOLES.

DATE: January 1957 FIGURE No. 2

DRAWN BY J. Lamb SCALE: 1 In. = 30 Feet