Building 20 - Federal Center
Denver 25, Colorado

February 6, 1961

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. OME 6106 (Beryllium)
Larsen Industries, Inc.
Jeannie & Bell Hill Claims
Juab County, Utah

Attached are two copies of a letter from the subject Applicant.

It seemed to me to be good business on the part of the Government to grant a two months extension of time so that the Applicant could complete their preliminary drilling program at no cost to us.

Original signed by

Hugh M. Connors

Attachments
HMC/lm
cc OME 6106
Chron

Larsen Industries, Inc.

POST OFFICE BOX 367
MURRAY, UTAH
PHONE AMHERST 6-3548

OME
DEPARTMENT OF THE INTERIOR
JAN 1961
REGION III
DENVER, COLORADO

January 26, 1961

AIR MAIL

Mr. Hugh M. Connors, Acting Field Officer
Officer of Minerals Exploration, Region III
Building 20 - Federal Center
Denver 25, Colorado

Re: OME 6106 (Beryllium)
Larsen Industries, Inc.
Jeannie & Bell Hill Claims
Juab County, Utah

Dear Mr. Connors:

It was a pleasure to talk with you and Mr. T. M. Romslo this morning. We appreciate your interest in our proposed exploratory program.

As I explained to you, our drilling program of the last few weeks has located beryllium-bearing tuff on both our Bell Hill and Jeannie claims. In addition, we have found quite high grade beryllium ore at shallower depths on other claims in the same area. These latter claims were not included in our original application for exploration assistance.

In view of these results, we feel that it is in the best interests of both the Government and this Company to file a suitably amended form of our OME-6106 (Beryllium) application. We appreciate your granting this Company a two months' extension as it will give us time to complete our own preliminary drilling program and to prepare and submit the amended application.

We look forward to the January 30, 1960, visit of Mr. Romslo. Our Mr. W. M. Trover will be here at that time and will accompany Mr. Romslo on his inspection of our claims.

Again, many thanks for your cooperation in this matter.

Yours very truly,

LARSEN INDUSTRIES, INC.

(Dr.) Marilyn Alder Marquis

Marilyn Alder Marquis
Vice President

MAM/koa

Building 20 - Federal Center
Denver 25, Colorado

November 28, 1960

Air Mail

Dr. Marilyn Alder Marquis, Vice President
Larsen Industries, Inc.
Post Office Box 367
Murray, Utah

Re: OME-6106 (Beryllium)
Larsen Industries, Inc.
Jeannie & Bell Hill Claims
Juab County, Utah

Dear Dr. Marquis:

This will acknowledge receipt of your letter dated November 16, 1960 requesting that we withhold final action on your application for two months to give you the required time to prospect and gather factual geologic information.

We will hold your application until January 28, 1961 with the understanding that on or before that date you will forward this office three copies of the additional information you have obtained, together with three copies of your amended request for exploration assistance.

Yours very truly,

Original signed by

High M. Connors
Acting Field Officer
OME, Region III

HMC/lm
cc Chief, Division of Field Operations (2)
with copies of Dr. Marquis, Larsen Industries, Inc. letter Nov. 26, 1960
and T. M. Romslo's memorandum November 25, 1960.
cc OME-6106
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado

November 25, 1960

Memorandum

To: Hugh M. Connors, Acting Field Officer, OME, Region III

From: T. M. Romslo

Subject: Docket No. OME-6106 (Beryllium)
Larsen Industries, Inc.
(Jeannie and Bell Hill claims)
Juab County, Utah

Reference is made to the Applicant's letter to you, dated November 16, 1960, requesting that the subject application be kept alive for a period of two months while an effort is being made to obtain further geological support for the application.

I recommend approval of the request because prospecting now being done along the east side of Spors Mountain may indicate the possibility of beryllium mineralization on the Applicant's property. Prospecting in this area at present is confined to ground between the Applicant's two groups of claims. Trenching by the Applicant and others has opened a few zones of beryllium mineralization in rhyolite tuff either in northerly trending faults or at contacts with other igneous rocks. Some drilling is being done at one of the zones to test for extension of mineralization into the tuff.

Other pertinent information which will soon be available are the results obtained by Bureau men from spot checking outcrops of tuff on or adjacent to the Applicant's property with a Berylometer.

T M Romslo

T. M. Romslo

Larsen Industries, Inc.

POST OFFICE BOX 367
MURRAY, UTAH
PHONE AMHERST 6-3548

OME
DEPARTMENT OF THE INTERIOR
NOV 17 1960
REGION III
DENVER, COLORADO

November 16, 1960

AIR MAIL

Mr. Hugh M. Connors, Acting Field Officer
Office of Minerals Exploration, Region III
Building 20 - Denver Federal Center
Denver 25, Colorado

Re: OME-6106 (Beryllium)
Larsen Industries, Inc.
Jeannie & Bell Hill Claims
Juab County, Utah

Dear Mr. Connors:

An examination of our Jeannie and Bell Hill claims in the Spor Mountain district was made on November 15, 1960, by Mr. T. M. Romslo, examiner, and our geologist, Mr. W. M. Trover.

At the time of this examination, it was decided that the loan request made by this Company covered a prospecting program rather than an exploratory program. This conclusion was reached because our basic premise that ore exists on the claims was based on sound geologic theory rather than on proven facts. As of this date, no ore has been exposed in or near the claims that can reasonably be projected onto the claims under consideration.

Mr. Trover, our geologist, feels confident that the geologic evidence supporting his theories can be shown by surface exploration. Larsen Industries, Inc. intends to undertake such a program immediately.

Before a final decision on the loan application is made, this Company would like to request a delay of two months' time in which to explore and gather the indicated factual geologic information. This information would then form the basis of an amended request on the loan application.

We hope that this plan meets with your approval. We would appreciate your cooperation in this matter and look forward to an early reply from you.

Yours very truly,

LARSEN INDUSTRIES, INC.

(Dr.) Marilyn Alder Marquis

Marilyn Alder Marquis
Vice President

MAM/koa

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

NOV 9 1960

Dr. Marilyn Alder Marquis
Vice President
Larsen Industries, Inc.
P. O. Box 367
Murray, Utah

OME
DEPARTMENT OF THE INTERIOR
NOV 14 1960
REGION III
DENVER, COLORADO

Re: OME-6106 (Beryllium)
Larsen Industries, Inc.
Jeannie and Bell Hill Claims
Juab County, Utah

Dear Dr. Marquis:

We have your letter of November 2 covering bank correspondence.

To complete our file, will you kindly forward us a copy of the financial statement referred to in your letters to the two banks?

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

WRGriswold/gla
11-8-60
cc to: Director's Reading File
Region III (2) w/2 cys letr. 11/2/60 without enclosures
Docket
Chron

OCT 24 1960

Dr. Marilyn Alder Marquis
Vice President
Larsen Industries, Inc.
P. O. Box 367
Murray, Utah

Re: OMM-6100 (Beryllium)
Larsen Industries, Inc.
Jeannie and Bell Hill Claims
Juab County, Utah

Dear Dr. Marquis:

We have your October 18 letter stating that your company has taken over the assets of Minerals Refining Company. With regard to your inquiry as to the possible issuance of an exploration contract, the matter has already been referred to our Field Officer, as noted in our October 6 letter to you. We expect to hear from him with no undue delay.

Since we are now dealing with a different corporate entity, will you (Larsen Industries, Inc.) promptly apply to two banks, one of which should be your bank of account, requesting a loan for the amount needed for the exploration work. Your letter to the two banks should be accompanied by a recent financial statement of Larsen Industries, Inc., and should request the banks to advise you upon what terms they would be willing to grant the loan. If you will shortly provide us with copies of such correspondence, with the bank replies, we shall be in a position to process your application as soon as we hear from our field men.

Kindly have the Minerals Refining Company write to us withdrawing its application and stating that the information contained therein may be utilized for Larsen Industries, Inc. Likewise, Larsen Industries, Inc., should prepare a new application and forward three copies to us (six forms enclosed); however, material and data supplied previously need not be duplicated.

Sincerely yours,

Frank E. Johnson

Acting Director

Enclosures

WRGriswold/fw-10/21/60
cc: Docket
Dir.Read.File
Reg. III (2)
Review Committee
Chron.

OCT 24 1960

Dr. Marilyn Alder Marquis
Vice President
Larsen Industries, Inc.
P. O. Box 367
Murray, Utah

Re: OML-6100 (Beryllium)
Larsen Industries, Inc.
Jeannie and Bell Hill Claims
Juab County, Utah

Dear Dr. Marquis:

We have your October 18 letter stating that your company has taken over the assets of Minerals Refining Company. With regard to your inquiry as to the possible issuance of an exploration contract, the matter has already been referred to our Field Officer, as noted in our October 6 letter to you. We expect to hear from him with no undue delay.

Since we are now dealing with a different corporate entity, will you (Larsen Industries, Inc.) promptly apply to two banks, one of which should be your bank of account, requesting a loan for the amount needed for the exploration work. Your letter to the two banks should be accompanied by a recent financial statement of Larsen Industries, Inc., and should request the banks to advise you upon what terms they would be willing to grant the loan. If you will shortly provide us with copies of such correspondence, with the bank replies, we shall be in a position to process your application as soon as we hear from our field men.

Kindly have the Minerals Refining Company write to us withdrawing its application and stating that the information contained therein may be utilized for Larsen Industries, Inc. Likewise, Larsen Industries, Inc., should prepare a new application and forward three copies to us (six forms enclosed); however, material and data supplied previously need not be duplicated.

Sincerely yours,

Frank E. Johnson

Acting Director

Enclosures

WRGriswold/fw-10/21/60
cc: Docket
Dir.Read.File
Reg. III (2)
Review Committee
Chron.

Building 20 - Federal Center
Denver 25, Colorado

October 28, 1960

CERTIFIED MAIL

Dr. Marilyn Alder Marquis
Vice President
Larsen Industries, Inc.
P. O. Box 367
Murray, Utah

Re: Docket No. OME-6100 (Beryllium)
Larsen Industries, Inc.
(Jeannie and Bell Hill Claims)
Juab County, Utah

Dear Dr. Marquis:

A field examination of the Jeannie and Bell Hill claims is tentatively scheduled for November 14, 1960.

Mr. T. M. Romslo, our examiner, plans to arrive in Salt Lake City about 7:00 p.m., Sunday, November 13. He will stay that night at the New Grand Hotel and leave early the next morning for Delta, Utah.

Your representative will be expected to contact Mr. Romslo, Sunday evening to decide the time and place of meeting after Mr. Romslo has completed other work in the vicinity of Delta.

If the schedule is changed you will be advised.

Yours very truly,

Original signed by

TMR

For
Hugh M. Connors
Acting Field Officer
OME, Region III

TMR/lm
cc OME 6100
Chron

Chief, Division of Field Operations (2)

MME Form 40
Dec. 1958

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1963

OME
DEPARTMENT OF THE INTERIOR
OCT 1960
REGION III
DENVER, COLORADO

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85-701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

MINERALS REFINING COMPANY
5221 South Major Street
Murray, Utah

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: OME-6100

DATE RECEIVED: 9-28-60

REGION: III

DIVISION CODE: 500

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL	
CORPORATION	X
PARTNERSHIP	
OTHER *(Specify)*	

STATE IN WHICH FIRM IS ORGANIZED: Nevada

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Vincent A. Duff	5870 Highland Dr., SLC, Utah	President and Treasurer
David M. Marquis	6099 Holladay Blvd., SLC, Utah	Vice-President
Paul B. Cardon	5307 Knollcrest Avenue, Murray, Utah	Vice-President
Marilyn A. Marquis	6099 Holladay Blvd., SLC, Utah	Vice-President
Jeanne Quesenbury	2564 Evergreen Ave., SLC, Utah	Secretary

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Beryllium

ESTIMATED COST OF PROJECT: $ 50,000

PROPERTY NAME	LOCATION COUNTY	STATE
Jeannie Claims 1-8	Juab	Utah
Bell Hill Claims 7-10	Juab	Utah

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME Field Office.*

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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

Sept. 27, 1960
DATED

David M. Marquis
BY *(Signature)*

Vice President
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT.-DUP. SEC., WASH., D.C. 50399

MINERALS REFINING COMPANY

P. O. Box 367 Murray, Utah AMherst 6-3548

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

1. **Financial Eligibility:**

(a) Efforts have been made to obtain bank loans to be used for exploratory drilling. All contacts have been verbal. No loans have been forthcoming because of the inherent speculative nature of exploratory drilling.

(b) Minerals Refining Company has no affiliated, parent, or controlling companies or organizations.

(c) Minerals Refining Company's share of the exploration work will be furnished in the form of complete geological services, technical planning and supervision of the exploratory drilling program, performance of all support analytical work, mapping of analytical results, and evaluation of indicated ore reserves.

2. **Applicant's Rights in Land:**

(a) Minerals Refining Company is the owner of the following claims upon which the proposed exploratory drilling will be performed:

Jeannie - No. 1
Jeannie - No. 2
Jeannie - No. 3
Jeannie - No. 4
Jeannie - No. 5
Jeannie - No. 6
Jeannie - No. 7
Jeannie - No. 8
Bell Hill - No. 7
Bell Hill - No. 8
Bell Hill - No. 9
Bell Hill - No. 10

There are no liens, mortgages or other encumbrances on these claims.

(b) All of the claims are unpatented, standard lode mining claims. The following is a compilation of the legal description (section, township, range, mete and bound) of each claim and the corresponding book, page number, and official place where it is recorded.

Jeannie No. 1 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 198.

This claim is situated North End of Dugway Dell, About 1 Mile West

MINERALS REFINING COMPANY

P. O. Box 367 Murray, Utah AMherst 6-3548

of Hanging Rock Springs and about 1½ miles North of Section Corner Common to Sec. 34, 35, 2 and 3 of T12 and 13 S, R 12 W. SLM.

The location of this claim is described and marked on the ground as follows: Beginning 175 feet Westerly of this location (Discovery) Monument, at the West end center monument, and running thence Northerly 300 feet to NW corner monument No. 1; thence Easterly 1500 feet to NE corner monument No. 2; thence Southerly 300 feet to East end center monument; thence Southerly 300 feet to SE corner monument No. 3; thence Westerly 1500 feet to SW corner monument No. 4; thence Northerly 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This Claim Joins the Jeannie #2 on the South and the Jeannie #5 on the West.

Jeannie No. 2 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page 199.

This claim is situated North End of Dugway Dell, about 1 mile West of Hanging Rock Springs and about 1½ Miles North of Section Corner Common to Sec. 34, 35, 2 and 3 T 12-13 S, R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 175 feet Westerly of this location (Discovery) Monument, at the West end center monument, and running thence Northerly 300 feet to NW corner monument No. 1; thence Easterly 1500 feet to NE corner monument No. 2; thence Southerly 300 feet to East end center monument; thence Southerly 300 feet to SE corner monument No. 3; thence Westerly 1500 feet to SW corner monument No. 4; thence Northerly 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This Claim Joins Jeannie #1 on the North and Jeannie #3 on the South and Jeannie #6 on the West.

Jeannie No. 3 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 200.

This claim is situated North End of Dugway Dell, About 1 Mile West of Hanging Rock Springs And About 1½ Miles North of Section Corner Common to Sec 34, 35, 2 and 3 T 12-13 S, R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 175 feet Westerly of this location (Discovery) Monument, at the West end center monument, and running thence Northerly 300 feet to NW corner monument No. 1; thence Easterly 1500 feet to NE corner monument No. 2; thence Southerly 300 feet to East end center monument; thence Southerly 300 feet to SE corner monument No. 3; thence Westerly 1500 feet to SW corner monument No. 4; thence Northerly 300 feet to place of beginning; including all Dips, Spurs, Angles and

MINERALS REFINING COMPANY

P. O. Box 367 Murray, Utah AMherst 6-3548

Variations. This Claim Joins Jeannie #2 on the North and Jeannie #4 on the South & Jeannie #7 on the West.

Jeannie No. 4 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 201.

This claim is situated North End of Dugway Dell, About 1 Mile West of Hanging Rock Springs And About 1¼ Miles North of Section Corner Common to Sec. 34, 35, 2 and 3 T 12-13 S, R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 175 feet Westerly of this location (Discovery) Monument, at the West end center monument, and running thence Northerly 300 feet to NW corner monument No. 1; thence Easterly 1500 feet to NE corner monument No. 2; thence Southerly 300 feet to East end center monument; thence Southerly 300 feet to SE corner monument No. 3; thence Westerly 1500 feet to SW corner monument No. 4; thence Northerly 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This Claim Joins Jeannie #3 on the North And Jeannie #8 on the West.

Jeannie No. 5 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 202.

This claim is situated North End of Dugway Dell, About 3/4 Mile West of Hanging Rock Springs, And About 1¼ Miles NNE of Section Corner Common to Sec. 34, 35, 2 and 3 T 12-13 S, R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 1325 feet Westerly of this location (Discovery) Monument, at the West end center monument, and running thence Northerly 300 feet to NW corner monument No. 1; thence Easterly 1500 feet to NE corner monument No. 2; thence Southerly 300 feet to East end center monument; thence Southerly 300 feet to SE corner monument No. 3; thence Westerly 1500 feet to SW corner monument No. 4; thence Northerly 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This Claim Joins Jeannie #1 on the East And Jeannie #6 on The South.

Jeannie No. 6 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 203.

This claim is situated North End of Dugway Dell, About 3/4 Mile West of Hanging Rock Springs, and About 1¼ Miles NNE of Section Corner Common to Sec. 34, 35, 2 and 3 T 12-13 S, R 12 W SLM.

MINERALS REFINING COMPANY

P. O. Box 367 Murray, Utah AMherst 6-3548

The location of this claim is described and marked on the ground as follows: Beginning 1325 feet Westerly of this location (Discovery) Monument, at the West end center monument, and running thence Northerly 300 feet to NW corner monument No. 1; thence Easterly 1500 feet to NE corner monument No. 2; thence Southerly 300 feet to East end center monument; thence Southerly 300 feet to SE corner monument No. 3; thence Westerly 1500 feet to SW corner monument No. 4; thence Northerly 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This Claim Joins Jeannie #2 on the East And Jeannie #5 on the North And Jeannie #7 on the South.

Jeannie No. 7 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 204.

This claim is situated North End of Dugway Dell, About 3/4 Mile West of Hanging Rock Springs, and About 1½ Miles NNE of Section Corner Common to Sec 34, 35, 2 and 3 T 12-13 S, R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 1325 feet Westerly of this location (Discovery) Monument, at the West end center monument, and running thence Northerly 300 feet to NW corner monument No. 1; thence Easterly 1500 feet to NE corner monument No. 2; thence Southerly 300 feet to East end center monument; thence Southerly 300 feet to SE corner monument No. 3; thence Westerly 1500 feet to SW corner monument No. 4; thence Northerly 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This Claim Joins Jeannie #3 on the East And Jeannie #6 on the North and Jeannie #8 on the South.

Jeannie No. 8 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 205.

This claim is situated North End of Dugway Dell, About 3/4 Mile West of Hanging Rock Springs, and About 1½ Miles NNE of Section Corner Common to Sec 34, 35, 2 and 3 T 12-13-S, R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 1325 feet Westerly of this location (Discovery) Monument, at the West end center monument, and running thence Northerly 300 feet to NW corner monument No. 1; thence Easterly 1500 feet to NE corner monument No. 2; thence Southerly 300 feet to East end center monument; thence Southerly 300 feet to SE corner monument No. 3; thence Westerly 1500 feet to SW corner monument No. 4; thence Northerly 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This Claim Joins Jeannie #4 on the East And Jeannie #7 on the North.

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Bell Hill No. 7 - The amended notice of the location of this claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 179, page number 573. The original notice of location of this claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 148, page 287.

This claim is situated in T 13 S R 12 W SLM.

The location of this claim is marked on the ground with a discovery monument about (4) feet high above the ground. Similar monuments have been erected at each corner of the claim. The location of this claim is described as follows: Beginning at Corner No. 1 (SW Corner) which bears approximately N 8° 19' W about 167.54 feet from the Section Corner common to Sections 10, 11, 14 and 15 of Township 13 South, Range 12 West, S.L.M.; thence 1500.0 feet N 0° 19' W to Corner No. 2 (NW Corner); thence 600.0 feet N 89° 41' E to Corner No. 3 (NE Corner); thence 1500.0 feet S 0° 19' E to Corner No. 4 (SE Corner); thence 600.0 feet S 89° 41' W to Corner No. 1 (SW Corner), the place of beginning.

Bell Hill No. 8 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 195.

This claim is situated in the SW 1/4 of Sec 11 T 13 S R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 100 feet South of the location (Discovery) Monument, at the South end center monument, and running thence S 89° 41' W 300 feet to SW corner monument No. 1; thence N 0° 19' W 1500 feet to NW corner monument No. 2; thence N 89° 41' E 300 feet to North end center monument; thence N 89° 41' E 300 feet to NE corner monument No. 3; thence S 0° 19' E 1500 feet to SE corner monument No. 4; thence S 89° 41' W 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This Claim Joins Bell Hill #7 on the East Cor #1 of Bell Hill #8 & Cor #4 of Bell Hill #7 are Common Cor. and Cor #2 of Bell Hill #8 & Cor #3 of Bell Hill #7 are Common Cor.

Bell Hill No. 9 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page number 196.

This claim is situated in the SW 1/4 of Sec 11 T 13 S R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 50 feet South of this location (Discovery) Monument, at the South end center monument, and running thence S 89 41' W 300 feet to SW corner monument No. 1; thence N 0° 19' W 1500 feet to NW corner

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monument No. 2; thence N 89° 41' E 300 feet to North end center monument; thence N 89° 41' E 300 feet to NE corner monument No. 3; thence S 0° 19' E 1500 feet to SE corner monument No. 4; thence S 89° 41' W 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. This claim joins Bell Hill #8 on the East Cor #1 of Bell Hill #9 & Cor #4 of Bell Hill #8 are cor in common. Cor #2 of Bell Hill #9 & Cor #3 of Bell Hill #8 are cor's in common.

Bell Hill No. 10 - This claim is recorded in the office of the Juab County Recorder, Nephi, Utah, in book number 183, page 197.

This claim is situated in the SW 1/4 of Sec 11 T 13 S R 12 W SLM.

The location of this claim is described and marked on the ground as follows: Beginning 200 feet West of this location (Discovery) Monument, at the West end center monument, and running thence S 0° 19' E 300 feet to SW corner monument No. 1; thence N 89° 41' E 1500 feet to SE corner monument No. 2; thence N 0° 19' W 300 feet to East end center monument; thence N 0° 19' W 300 feet to NE corner monument No. 3; thence S 89° 41' W 1500 feet to NW corner monument No. 4; thence S 0° 19' E 300 feet to place of beginning; including all Dips, Spurs, Angles and Variations. The South Side Line of This Claim Joins the North End Lines of Bell Hill #7, Bell Hill #8 & Bell Hill #9, With Cor #2 of Bell Hill #10 & Cor #3 of Bell Hill #9 being cor's in Common.

(c) Does not apply to the described claims.

3. Physical Description:

(a) There have been no known mining or exploration operations conducted upon these claims.

(b) Does not apply because of 3-a.

(c) Does not apply because of 3-a.

(d) Does not apply because of 3-a.

(e) The outstanding geologic features of the claims are described as follows:

The claims are adjacent to and east of a major North-South fault which exposes Paleozoic sediments on the west and Lake Bonneville beds on the east. There is a possibility that rhyolite tuff beds exposed just east of the Bell Hill claims will continue beneath the Bell Hill claims and

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that these tuff beds could contain beryllium. The rhyolite tuff beds exposed at the surface are not mineralized. However, subsurface beds, if they exist, may well be mineralized.

The Jeannie claims lie about 4 miles north of the Bell Hill claims in the same geologic setting. The area has more extensive outcrops of rhyolite tuff, none of which has been found to contain beryllium at the surface. It is possible that drill prospecting will cut mineralized zones beneath the surface in this area.

It is believed by the writer that the source of the host rocks, rhyolite tuff and rhyolite lapilli tuff was east of the claim areas in the Thomas Range. The tuff beds which are of interest were surely deposited in the valley between the Thomas Range and Spors Mountain where the claims lie. Further faulting which provided the pathway for solutions or gases which formed the fluorite bodies in Spors Mountain, and evidently was also related to the deposition of the beryllium cuts the area between the two mountains. It seems evident from a geologic standpoint that the necessary conditions exist and that the possibility of finding additional beds of mineralized rhyolitic tuff containing beryllium are very good.

Further details of the geologic features of the area are given in the geologic, claim and topographic, and index maps attached to the enclosed geologist's report.

(f) The major reasons for expecting to find ore are that (1) beryllium ore has been shown to be present in the tuff bed, and (2) beryllium ore has been found by other companies in the immediate area.

(g) A geologic report covering the Minerals Refining Company Bell Hill and Jeannie Group of claims has been prepared by the Company geologist, Mr. W. Morris Trover. Two copies of this report are attached.

4. Accessibility of Property:

(a) The Company geologist, Mr. W. Morris Trover, is available to meet and aid an OME representative who may want to examine the property. Mr. Trover may be contacted at the following address:

Mr. W. Morris Trover, Geologist
Minerals Refining Company
5221 South Major Street (Box 367)
Murray, Utah

All claims are located northwest of Delta, Utah, and are accessible by 15.4 miles of paved and 30.9 miles of improved dirt road.

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The Bell Hill claims are entirely accessible from the main haulage road.

The Jeannie claims are accessible from the main haulage road by a 1/2 mile "Jeep" road. This short section of road would have to be improved. Drill access roads would have to be constructed to carry out an exploration project on the Jeannie claims. This would involve a total of about two miles of inexpensive road building.

(b) Delta, Utah, is the nearest railhead on the Union Pacific Railroad. It is also the nearest supply center.

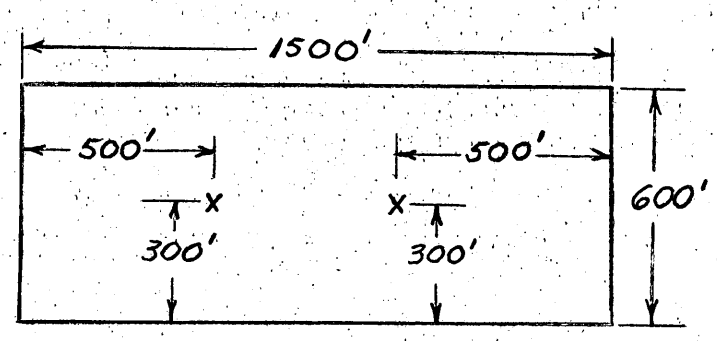
5. Exploration Work

(a) Initial exploration of these claims can best be accomplished by air drilling of four inch diameter holes on a regularly spaced, wide interval basis. Samples so obtained will be tested for beryllium on a semi-quantitative basis using a berylliometer. Where the presence of ore is indicated, subsequent short interval drilling, sampling, and semi-quantitative estimation of beryllium content will be performed.

Based on the berylliometer readings, all samples containing beryllium will be quantitatively analyzed for this element. The chemical analyses will be performed in the analytical laboratories of Minerals Refining Company, Murray, Utah.

The exact depth of the individual drill holes cannot be predicted at the present time due to lack of information on the subsurface geology of the region. Any drill hole that encounters (1) limestone or other of the Paleozoic sediments of the area, or (2) water, would be bottomed and further drilling would be useless.

As a reasonable overall drilling program, Minerals Refining Company proposes to do a total of 9,600 feet of exploratory drilling, or approximately 800 feet on each of the twelve claims. The initial drilling on each claim will consist of two, maximum 300 foot depth, holes whose locations are indicated at "X" on the following sketch:



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Beryllometer readings will be made every two feet and, depending on the showing of these large interval holes, appropriate short interval drilling will be performed up to the limit of the total available drilling footage.

(b) No access or drill roads will be needed on the Bell Hill claims. The "Jeep" access road to the Jeannie Group will have to be improved and drill roads will have to be constructed. These roads can be constructed using a dozer and will not require any expensive rock work or blasting. The total amount of road to be built, including access and drill roads, should not exceed two miles.

(c) It is intended that exploration work start immediately upon execution of an OME contract. It is further anticipated that the proposed drilling and sampling program be completed within about 3 months.

6. Experience:

Since its incorporation in 1952, Minerals Refining Company has actively engaged in both field exploration and exploration evaluation work. Most recently, the materials for which successful exploration and evaluation have been performed include fluorspar, placer gold, uranium, thorium, and rare earths.

The entire exploration and exploration evaluation program will be supervised by Mr. W. Morris Trover, the Company geologist. Mr. Trover's background and experience make him well suited for this assignment. Some highlights of his 6½ year career include the direction and management of exploration and exploration evaluation for uranium in the Carizzo Mountains, New Mexico, the San Raphael Swell, Utah, and at Round Mountain, Nevada. A similar exploration program for copper was performed in Cuba, New Mexico. In addition, as based on a careful study of the geological elements in the vicinity of the above described claims, Mr. Trover has been largely responsible for the expectation that beryllium may be found thereon.

7. Estimate of Costs:

(a) Independent Contracts

(i) Drilling, 9,600 feet @ $3.00/ft. $28,800

(ii) Road building and overburden removal by bulldozer and operator for 10 days @ $120/day 1,200

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(iii)	Transportation of bulldozer to claims area from Delta, Utah	$ 50	
(iv)	Transportation of samples from Delta, Utah, to Murray, Utah, 600 samples @ $0.195/each	117	
	Total Independent Contracts		$30,167
(b)	Personal Services		
(i)	Exploratory program supervision for 3½ months @ $615/month	$ 2,153	
(ii)	Analytical chemist for Be assays for 3 months @ $500/month	1,500	
(iii)	Supervisory chemist for Be assays for 3 months @ 50% of $700/month	1,050	
(iv)	Metallurgist for preparing field samples for chemical analysis for 3 months @ 75% of $500/month	1,125	
(v)	Laborer to work in the field with the exploration program supervisor for 3 months @ $400/month	1,200	
(vi)	Per diem allowance for exploration program supervisor to cover expenses of room and board at Delta, Utah, for 3 months @ $15/day	1,350	$ 8,378
	Total Personal Services		
(c)	Operating Materials and Supplies		
(i)	Chemical laboratory equipment for 600 Be assays performed in units of 10 at a time	$ 250	
(ii)	Chemicals for 600 Be assays @ $0.20/sample	120	
(iii)	Mileage on pickup truck @ $0.10/mile, 120 miles/day and 90 days	1,080	
(iv)	Replacement source for berylliometer	(400)	

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(v)	Sample bags, canvas, 7" x 11", 4800 @ $15.50/hundred	$ 744	
(vi)	Use of equipment for sample preparation including crushing, grinding, rolling, etc. for 600 samples @ $0.30/sample	180	
	Total Operating Materials & Supplies		$ 2,774

(d) Operating Equipment

(i)	One rental pickup truck for 3 months @ $100/month	$ 300	
(ii)	Beryllometer	3,500	
	Total Operating Equipment		$ 3,800

(e) Initial rehabilitation and repairs

Does not apply to this proposal.

(f) New buildings, fixtures, installations

Does not apply to this proposal.

(g) Miscellaneous

(i)	Clerical help for preparing monthly and final reports for 3 weeks @ $300/month ...	$ 225	
(ii)	Accounting help for establishing and maintaining records and accounts necessary for preparation of the monthly voucher required by the Government for 3½ months @ 40% of $550/month	770	
(iii)	Correspondence and telephone communication	300	

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(iv) Workmen's compensation plus employees' liability insurance plus payroll taxes at 15% of total payroll of $9,373	$ 1,406	
Total Miscellaneous		$ 2,701
Total Overall Cost of Program		$47,820