DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2571

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.

This document has been recorded as

EXPLORATION PROJECT

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 Copies to USBM and USGS. One copy was retained by Region II.

To:	Code 600, Rm. 4637	Date	6-9-52
To:	[illegible]	Date	6-9-52
To:	Operating Comm.	Date	6-25-52
To:	Op Comm.	Date	7-30-52
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DO NOT DETACH

CONTROLLED DOCUMENT

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

August 8, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2571, Mica, Marble Mountain Mica Co., Shoshone County, Idaho

I concur in the field team's recommendation to deny the subject application on the basis that the mica is not of strategic grade.

W. F. Dietrich

W. F. Dietrich

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 11 1952

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

August 8, 1952

Memorandum

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W. F. Dietrich

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 11 1952

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

JUL 30 1952

Robertson
Houk
Dietrich
Van Alstine
Hedges
Thayer
K Johnson

Mr. Kenneth Ramey
Marble Mountain Mica Company
St. Maries, Idaho

Subject: Docket No. DMEA-2971 - Mica
Marble Mountain Mica Company's
Claims
Shoshone County, Idaho

Dear Mr. Ramey:

Your application for exploration assistance, dated May 16, 1952, Docket No. DMEA-2971, has been reviewed by the Defense Minerals Exploration Administration.

Our field examination of the property indicates that the deposit offers insufficient promise of the discovery of strategic grades of mica, either in quality or in amounts, to warrant a project of exploration assistance by the Government.

We regret to advise that the application for exploration assistance in this case is denied.

Sincerely yours,

C. O. Mittendorf (fw) J.N. 7-30-52

Acting Administrator
Defense Minerals Exploration
Administration

JTRobertson:gad

Copy to: Admin. Reading File
Operating Committee
Field Team, Region II
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

IN REPLY REFER TO:

G-MD-CNM

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

July 29, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 29 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2571 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: P. L. Weis, U. S. Geological Survey
Applicant: Marble Mountain Mica Company.
Name of property: Homestead Claims 1 through 22; Muscovite claims land 2.
Location of property: Shoshone County, Idaho.
Date of field team report: July 16, 1952.
Authorship of field team report: Verne C. Fryklund.
Field team's recommendation: Denial.
Comments: None.
ACTION SUGGESTED: Follow field team's recommendation.

Paul L. Weis

Paul L. Weis

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

July 29, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Non-Metallic Minerals Division

Subject: Review of Docket No. DMEA-2571
Commodity - Mica
Property - Homestead Lode Mining Claims No. 1 to No. 22, and Muscovite Lode Mining Claims No. 1 and No. 2. 24 Claims recorded Wallace, Shoshone County, Idaho
Applicant - Marble Mountain Mica Company, a partnership, Kenneth Esmay, John Mattern and John Stanfill
Address - C/O Kenneth Esmay, St. Maries, Idaho

6/6/52	Application received
6/19/52	Referred to Non-Metallic Minerals Division
6/25/52	Referred to Field Team, Region II
7/11/52	Field examination by Verne C. Fryklund, Jr., U.S.G.S. Field Team, Region II
7/24/52	Received Fryklund's report.
7/28/52	Non-Metallic Minerals Division's recommendation to Operating Committee (Memorandum by Robertson).

Resume of Denial

The denial of exploration assistance in this case was based on the field report of Field Team, Region II. Muscovite showings were reported to be small and the contained mica was not of strategic grade.

Jasper T. Robertson
Non-Metallic Minerals Division

FILE COPY
SURNAME:

Robertson
Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

July 29, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Non-Metallic Minerals Division

Subject: Review of Docket No. DMEA-2571
Commodity - Mica
Property - Homestead Lode Mining Claims No. 1 to No. 22, and Muscovite Lode Mining Claims No. 1 and No. 2. 24 Claims recorded Wallace, Shoshone County, Idaho
Applicant - Marble Mountain Mica Company, a partnership, Kenneth Esmay, John Mattern and John Stanfill
Address - C/O Kenneth Esmay, St. Maries, Idaho

6/6/52	Application received
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Jasper T. Robertson
Non-Metallic Minerals Division

JTRobertson:gad

Copy to: Admin. Reading File
Docket File
Mr. Houk

FILE COPY
SURNAME:

Robertson
Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

July 28, 1952

Memorandum

To: Chairman, Operating Committee

From: Non-Metallic Minerals Division

Subject: Docket No. DMEA-2571 - Strategic Mica
Marble Mountain Mica Company's Claims
Shoshone County, Idaho

Re: Recommendation of denial of application for exploration assistance.

The attached field examination report on this property by Vern C. Fryklund, Jr., contains a concise review and points up the reason why a denial of this application should be made.

The Non-Metallic Minerals Division concurs in a recommendation for denial mainly because the mica is green mica and, therefore, is classified as non-strategic mica. A denial of the application is recommended.

Jasper T. Robertson
Non-Metallic Minerals Division

Attachment

JTRobertson:gad

Copy to: Docket File
Mr. Houk

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

July 28, 1952

Memorandum

To: Chairman, Operating Committee

From: Non-Metallic Minerals Division

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Jasper T. Robertson
Jasper T. Robertson
Non-Metallic Minerals Division

Attachment

SD

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

July 16, 1952

DEPARTMENT OF THE INTERIOR
Release Date
JUL 24 1952

Memorandum

To: Chairman, Operating Committee, DMEA

From: DMEA Field Team, Region II

Subject: Docket No. DMEA-2571, Mica
Marble Mountain Mica Company
St. Maries, Idaho

Enclosed are the original and three copies of an examination report on the subject docket by Verne C. Fryklund, Jr., Geological Survey. Mr. Fryklund is familiar with mica deposits, having been a member of the U. S. Geological Survey Southeast (North Carolina) pegmatite party during the war.

Because of the small size of the pegmatite and lack of strategic grade muscovite the Field Team concurs with the recommendations of Mr. Fryklund that the application be denied.

By DMEA Field Team, Region II

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

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure 1 (in quad.)
cc: USBM

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

So. 157 Howard Street
Spokane 4, Washington

July 16, 1952

Memorandum

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

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

Subject: Field examination, Docket No. DMEA-2571, Mica, Marble Mountain Mica Company, St. Maries, Idaho.

Introduction

I visited this property July 11, 1952, with the three partners. The property is in parts of sections 19, 24, 25, and 30 in Township 44 N., and Ranges 3 and 4 E. There are 22 unpatented "Homestead" claims and 2 unpatented "Muscovite" claims. The property can be reached from St. Maries, Idaho by following the road to Avery to the Marble Creek road. The property is at the very end of the Marble Creek road at an elevation of about 5,500 feet.

Recommendations

I recommend that this application be denied. The muscovite is small and not of strategic grade.

Previous Geologic Work in the Area

The area has been mapped in a reconnaissance fashion by two parties; a map of the area is in U.S.G.S. Bull. 530, which is reproduced in U.S.G.S. Bull. 732, another map of the area is in Idaho Bureau of Mines and Geology pamphlet 30.

Geology of Pegmatite Area

In the vicinity of the pegmatite are muscovite, biotite, and chlorite gneisses. In much of the area there has been enough introduction of granitic material parallel to the foliation to call the material migmatite. The rocks have been mapped as Prichard formation (pre-Cambrian), which they may be.

A cross-section of the largest pegmatite is exposed in a cut of a logging road. At this point the pegmatite is 26 feet wide, with a maximum exposed thickness of about 5 feet. At the east end of the cut the pegmatite is about 2 feet thick. The length of the pegmatite is not known.

The wall zone is about 6 inches thick and is composed of about 80 percent plagioclase feldspar, 10 percent quartz, and 10 percent muscovite. The muscovite is one-fourth inch to one-half inch in diameter. An intermediate zone has the same mineralogy with the exception of FeO_x specks, some one-sixteenth inch in diameter. The minerals have the same abundance.

The muscovite is concentrated in a streak about 1 foot from the wall zone. It is not of strategic grade. The maximum diameter of the books is about 6 inches, the thickness not over one-half inch. Most of the books are not over 4 inches in diameter. The mica is green, and fairly clear with no FeO_x stain. The books are all bent, ruled, and cracked so that it is impossible to produce even punch from the sheets. There is also a tendency toward "A" structure in some of the mica.

This is the pegmatite which is supposed to have produced 200 pounds of block mica during the last war. As with every other mica pegmatite I have mapped, even ones producing large books--"you should have seen some of the mica we first took out".

The other pegmatites I looked at in the area were either float boulders or about 1 foot in width.

I would expect larger pegmatites to be present in this general district, but I imagine later disturbances will have damaged any large muscovite books also.

Verne C. Fryklund, Jr.
Geologist

cc: DMEA (4)
USBM
USGS (SRO)

FILE COPY
SURNAME:

Robertson
Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
600
WASHINGTON 25, D. C.

JUN 25 1952

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

Subject: Docket No. DMEA-2571 - Mica
Marble Mountain Mica Co.
St. Maries, Idaho

Dear Mr. Weissenborn:

Enclosed herewith please find a copy of a memorandum from W. F. Dietrich, Bureau of Mines, and one from Paul L. Weis, Geological Survey, pertaining to a field team referral of the subject docket. A field team investigation is indicated for this project and, if deemed advisable, a field examination may be made.

Upon completion of the investigation please send the report, together with recommendations, to this office.

Sincerely yours,

6/25

(signed) FRANK E. JOHNSON
(JHB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

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

(S/C M. Lemmon for
W. P. Thayer (JHB)
Member, Geological Survey

JTRobertson:gad 6/24/52

Copy to: Admin. Reading File
Operating Committee (2)
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

Enclosures 2

P.S. If mine is examined be sure to forward to Non-Metallic Minerals Division some samples of sheet mica so that a determination of its strategic grade may be made.

FILE COPY
SURNAME:

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

600

Robertson
Houk
Bridges
F. Johnson

JUN 25 1952

Mr. Kenneth Ramay
Marble Mountain Mica Co.
St. Maries, Idaho

Subject: Docket No. DMEA-2571 - Mica
Marble Mountain Mica Co.
St. Maries, Idaho

Dear Mr. Ramay:

Your application is being referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 8, Washington, for further information.

Sincerely yours,

C. O. Mittendorf (for) 6/25

C. O. Mittendorf
Acting Administrator
Defense Minerals Exploration
Administration

JTRobertson:gad 6/24/52

Copy to: Admin. Reading File
Operating Committee (2)
Field Team, Region II (2)
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

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

June 20, 1952

Memorandum

JTR

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2571, Marble Mountain Mica.Co.,
St. Maries, Idaho

Applicant states that strategic mica from this property was purchased by Colonial Mica Corporation during World War II and that the Idaho Beryllium & Mica Company of Deary, Idaho have recently inspected mica from this mine, finding it to be of strategic quality. The Bureau of Mines has classified samples from this mine as approaching strategic grade, but has no other information bearing on the feasibility of this project. In my opinion, a field team investigation is advisable.

W. F. Dietrich

W. F. Dietrich

JUN 20 1952

IN REPLY REFER TO:

G-MD-PLW

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

June 11, 1952

Memorandum

REVIEW OF APPLICATION DMEA-2571 (Mica).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Marble Mountain Mica Company.
Name of property: Homestead Claims 1 through 22, Muscovite claims 1 and 2.
Location of property: T. 44 N., Sec. 19, 24, 25, 30, R 3 and 4 E, Shoshone County, Idaho.
Estimated cost of project: $18,000.00.
Summary of applicant's proposal:

(1) Make 7 bulldozer trenches at 200 foot intervals, trenches to be 75 feet long and 3 to 5 feet deep.
(2) Hand labor and blasting as necessary to further expose the mica-bearing rock.

Sources of information on applicant's property:

Anderson, A. L., A Geological Reconnaissance in the St. Maries Region, Idaho, 1928, Idaho Bureau of Mines and Geology, Pamphlet 30.

Comments: None.

RECOMMENDATION: Investigation by the field team.

Paul L. Weis

Paul L. Weis

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 12 1952

EXPLORATION

Subject: DMEA-2571
Re: Exploration Loan
Homestead and Muscovite Claims
June 9, 1952

Mr. Kenneth Esmay
Marble Mountain Mica Co.
St. Maries, Idaho

My dear Mr. Esmay:

This will acknowledge receipt of your application dated May 16, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2571 and referred to the Non-Metallic Minerals Division.

Kindly refer to DMEA-2571 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Administrative Officer

7862

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

So. 157 Howard Street
Spokane 4, Washington

June 3, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for exploration assistance by the Marble Mountain Mica Company, St. Maries, Idaho. One copy is being retained for use of this office.

Muscovite samples submitted to the Bureau of Mines by the applicant approach strategic mica grade. No other information is known concerning the feasibility of the project other than information submitted in the application.

Sincerely yours,

Elton A. Youngberg

Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: USBM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

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

No. 157 Howard Street
Spokane 4, Washington

June 3, 1952

Mr. Frank L. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for exploration assistance by the Marble Mountain Mica Company, St. Maries, Idaho. One copy is being retained for use of this office.

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Sincerely yours,

Elton A. Youngberg
For: A. L. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: USBM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

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

No. 157 Howard Street
Spokane 4, Washington

June 5, 1952

Mr. Frank L. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Johnson:

Enclosed are three copies of an application for exploration assistance by the Marble Mountain Mica Company, St. Maries, Idaho. One copy is being retained for use of this office.

Muscovite samples submitted to the Bureau of Mines by the applicant approach strategic mica grade. No other information is known concerning the feasibility of the project other than information submitted in the application.

Sincerely yours,

Elton A. Youngberg
For: A. L. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: USBM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
SPOKANE
JUN 6 1952

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2571
Metal or Mineral
Date Received 6-6-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

Marble Mountain Mica Co.

St. Maries, Idaho

Name and address of applicant

Date May 16, 1952

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Marble Mountain Mica Co.
(Name of company)

By Kenneth Esmay
John Mollenkopf
John Stanfill
(Signature of authorized official)

May 16, 1952
(Date)

Partner
(Title)

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—64067-2

Marble Mountain Mica Co. - St. Maries, Idaho

1. (a) We have located twenty-four mineral claims for the purpose of developing a mica deposit. This area is logged over U. S. Forest Service land. No one else has ever worked any mineral rights. There is no existing operations other than the applicant's prospecting activities. The area is known as Marble Mountain and Homestead Hump.

   (b) We have recorded our 24 mineral claims at Wallace, Idaho - Shoshone County office.

   (c)

Homestead Claim	#1 & #2	T 44 N - R 4E - Sec. 30
" "	#3 & #4	T 44 N - R 4E - Sec. 19
" "	#5 to #20	T 44 N - R 3E - Sec. 24
" "	#4 to #12 (Parcel)	T 44 N - R 3E - Sec. 25
" "	#21 & #22	T 44 N - R 4E - Sec. 19
Muscovite Claim	#1 & #2	T 44 N - R 4E - Sec. 30

2. (a) Mica - (strategic grade) Sheet mica and grinding grade or scrap mica.

   (b) The area we wish to explore is on the southeast side of Marble Mountain. This area has outcroppings of white quartz formations. In these quartz formations we have discovered pegmatites holding feldspar and book size sheet mica. It appears that a very good grade of mica is available and perhaps a large deposit of strategic grade can be developed.

Marble Mountain Mica Co. - St. Maries, Idaho

3. (a) At the south end of Homestead Claim #4 there is a quartz outcropping. This formation has been cut about three feet in depth and about twenty-five feet in width. Within this formation a petmatite formation carrying sheet grade mica and feldspar has been discovered. Starting at this point and going on up the hill there are other outcroppings of quartz carrying feldspar and mica. It seems advisable to start at the present discovery and make cuts with a bulldozer about 75 feet long across the quartz outcroppings down to a reasonable depty of three to five feet. Such a cut would remove the overburden of about an average depth of three feet and permit disclosure of the quartz and any pegmatite veins therein.

These bulldozer cuts should be made every 200 feet going on up the hillside, for about 1500 feet. Other outcroppings at this point have also indicated good showings of mica. The time and cost of doing this dozer work would depend a great deal on how solid the quartz formation becomes at varying depths. Only a reasonable disclosure of the quartz formation would be necessary.

Upon disclosing the quartz formation in the cozer cuts it would then be worked by hand labor and some dynamiting. This labor could be used to salvage all grinding grade mica as the prospecting is carried out, and also to remove any sheet grade that may be recovered.

It is planned that after several months of this exploration any potential pegmatites carrying sheet grade mica should be developed for any production possibilities that it may withhold. Also, samples of the sheet grade mica will be sent to the Custer, South Dakota, depot for their inspection.

The estimated cost is figured as follows:

Labor:

Supervisor and clerical	@ $500 per month - 4 mo. -	$2000.00
4 quarry laborers	@ $400 per month - 3 mo. -	$4800.00
1 camp cook	@ $400 per month - 3 mo. -	$1200.00

Above labor price includes board which will be charged back to the employee at $1.00 per meal.

Total labor	$8000.00
Rental of bulldozer with operator @ $14.00 per hour Five day week for 8 weeks	$4480.00
Rental of pickup (3 mo.) @ $30.00 per month	90.00
Rental on compressor (3 mo.) @ $200.00 per month	600.00
Workmens Compensation Insurance, payroll encumbrances	800.00
Engineering services, mappings, etc.	500.00

Marble Mountain Mica Co. - St. Maries, Idaho

Assaying and sampling	400.00
Transportation of supplies, equipment, and men	400.00
Supplies, tools, powder, etc.	2000.00
Misc. & administrative costs & other contingencies	630.00
Total estimated cost of the project	$18,000.00

(b) We can use the current summer season and most of the early fall - about June through October, 1952.

Marble Mountain Mica Co. - St. Maries, Idaho

5. We own a camp site consisting of:

1 - Cookhouse - furnished.
8 - Bunkhouses - furnished for about 4 men each.
1 - Washroom - water piped in with hot water heater.
1 - Store room - meat and supplies.
1 - Tool shed.

The condition of these buildings is very good and they are ready for immediate use. A logging company is going to use the camp part of this summer. The only cost for occupancy would be to furnish some bedding.

6. None.

Marble Mountain Mica Co. - St. Maries, Idaho

7. (a) Rented:

(1) bulldozer - hire with operator @ $14.00 per hour.
(2) air compressor - rental about $200.00 per month.

(b) Purchased:
(1) piping and hose for air compressor - cost open
(2) hand tools as needed - cost open

(c) Furnished:
(1) 1951 $\frac{1}{2}$ ton G.M.C. pickup -
Cost $1800.00, 1/60 per month rental allowed - $90.00
(2) Tools, hand drills, etc. - no charge
(3) Jack Hammer - air powered - no charge

Marble Mountain Mica Co. - St. Maries, Idaho

8. Labor:

1 supervisor - and clerical - including board	$500.00	per month
1 cook - including board	400.00	" "
4 laborers - open pit mining, including board	400.00	" "
1 dozer operator - if not included in dozer hire will be paid at rate of $2.25 per hour less board.		

All board will be charged from above at the rate of $1.00 per meal.

Marble Mountain Mica Co. - St. Maries, Idaho

9.	Workmens Compensation and payroll encumbrances	$800.00
	Engineering Services, mappings, etc.	600.00
	Assaying and sampling	400.00
	Transportation of supplies and equipment and men	400.00
	Supplies, tools, powder, etc.	2000.00
	Misc. administration costs and contingencies	630.00

Marble Mountain Mica Co. - St. Maries, Idaho

10. (a) $18,000.00.

(b) Yes - our share of the estimated cost of $18,000.00 would be 10% or $1800.00.

Marble Mountain Mica Co. - St. Maries, Idaho

11. We will attempt to recover all of the mica available as we prospect and explore. From this mica we will grade out some of which we can sell as sheet grade - and the balance of it can be sold to the Idaho Beryllium & Mica Co. at Deary, Idaho for $20.00 per ton grinding grade mica. This same company may decide to grade any sheet grade we may recover. If not, we will grade it or ship it to Custer, South Dakota or mine run. From our proceeds we will show true accounting and make proper return against operating costs on this project.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2571

Date received 6-6-52

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

Marble Mountain Mica Co.

St. Maries, Idaho

Name and address of applicant

Date May 16, 1952

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
John Stanfill St. Maries, Idaho	Partner	None	15,000	None	None	None	None
John Mottern St. Maries, Idaho	Partner	None	10,000	None	None	None	None
Kenneth Esmay St. Maries, Idaho	Partner	None	10,000	None	None	None	None
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues: None

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: None

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. None

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Marble Mountain Mica Co. - St. Maries, Idaho

1. (a) Muscovite Mica - sheet grade

   (b) grinding grade mica and feldspar.

2. (a) none

   (b) none

   (c) none

   (d) 10' x 50' open quarry. Open cuts have been made by dozer. Several cuts about 3' deep have been made on quartz rock outcroppings. No flooding conditions exist. No production capacity is yet determinable.

3. (a) St. Maries, Idaho, about 55 miles, is the nearest town. Marble Creek station, about 18 miles, is the nearest railroad shipping point.

   (b) Unorganized mining district, south of St. Joe River.

   (c) Township 44 N - Sections 19, 24, 25 and 30, Range 3 and 4, East of Boise Meridian. 24 mineral claims have been recorded.

   (d) Shoshone County, Idaho.

4. (a) Property is now being explored by applicant.

   (b) Owner.

5. None.

6. (a) Exploration of the property only.

   (b) Have had some mining experience in development of other nonmetallics. Have worked on a development of kaolin clay, silica sand and mica. Have been in private business and public accounting work.

7. (a) During the last war Mr. Stanfill took about 400 lbs. of mine run mica to the Colonial Mica Co. at Moscow, Idaho. He was told that the mica had good possibilities, and was worthy of exploration. This took place near the end of the buying program and after the program was discontinued no more exploration work was done.

   (b) None

   (c) Some of the samples were very recently inspected by the Idaho Beryllium & Mica Co. of Deary, Idaho. They told us that our mica was of grade quality for the government buying program. They encouraged us to continue development.

Marble Mountain Mica Co. - St. Maries, Idaho

11. None

12. (a) Throughout the area on which the mineral claims have been made there is a very noticeable outcropping of quartz rock. In every outcropping a good showing of mica has been found.

(b) None

(c) None.

13. Access roads for all conditions are good. Good rock-surfaced roads are maintained by the U. S. Forest Service and private logging companies. The roads to the deposit are open now. The nearest railroad shipping point from deposit is 18 miles.

14. A mountain stream near by runs the year around.

15. No power available.

16. We have been using three men for prospecting purposes only.

17. No major equipment owned except supply truck and tools. Applicant does own a good logging camp site within a mile of the deposit. Bunkhouses and cookhouse are available and in good condition and completely furnished ready to use.

18. We are in a position to immediately carry forth a good exploration program. All roads and living conditions are available at no additional expense. Also, we can rent a bulldozer from a near by logging contractor when needed. We have available a couple of good prospectors who do understand what they are doing. We also know that there is considerable mica available that is of a grinding grade which we can sell to the Idaho Beryllium & Mica Co. This sale of mica wouldn't give us a profit but it will help defray expenses.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Marble Mountain Mica Co.
(Name of company)

By Kenneth Esmay
John Stanfill
John Mobleton
(Signature of authorized official)

May 16, 1952
(Date)

Partner
(Title)

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—63792-1

No. 100

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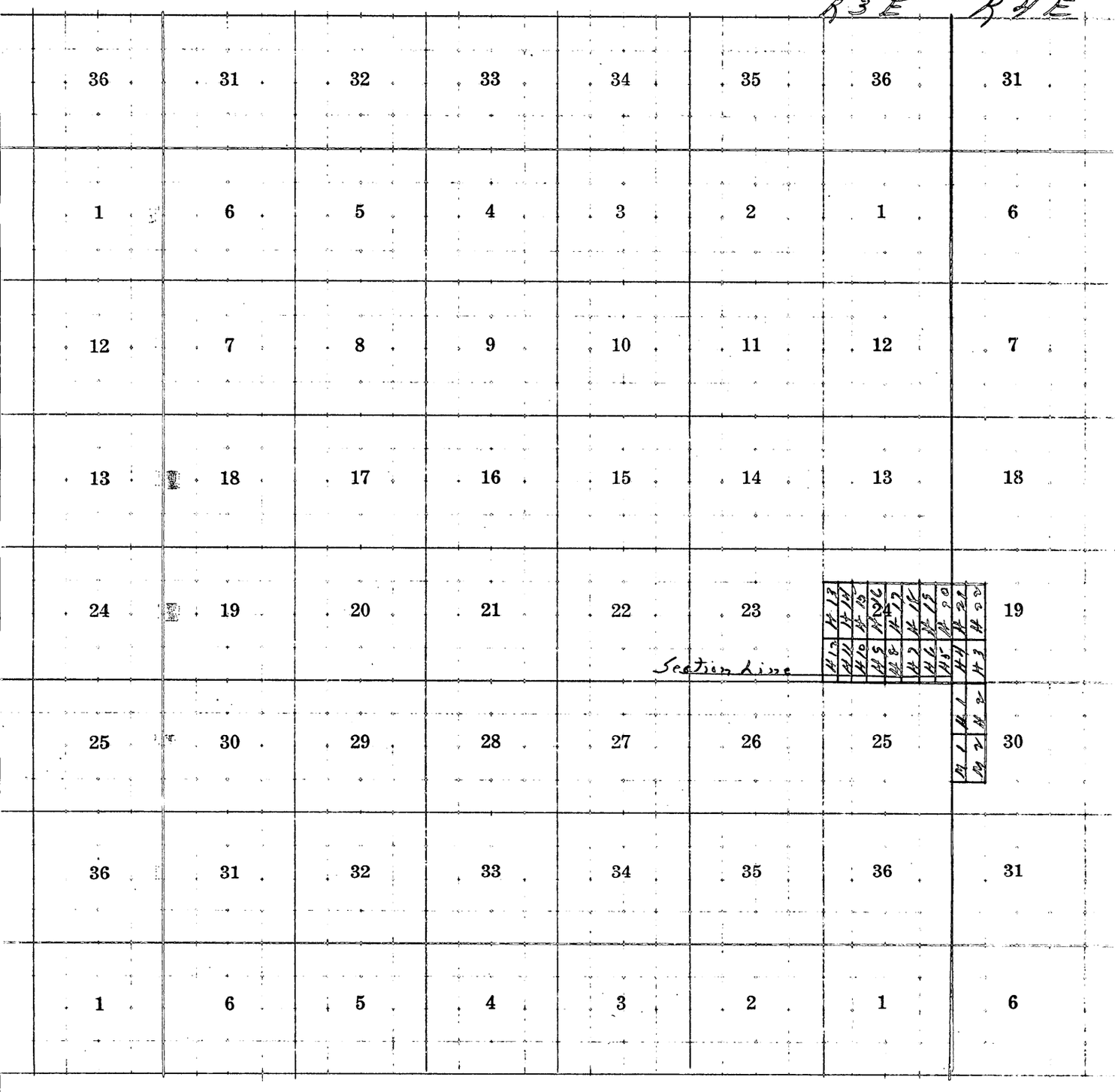
MF 103
1-c

TOWNSHIP SCALE PLAT

Township 44-N- Range 3 & 4 E



Homstead Claim #1 & #2 T44-N R4E - Sec. 30
" " 3 & 4 T44-N R4E - Sec. 19
" " 5 to 20 T44-N R3E - Sec. 24
" " 4 to 12 Parcel T44-N R3E - Sec. 25
" " 21 & 22 T44-N- R4E - Sec. 19
Muscovite Claim 1 & 2 T44-N R4E - Sec 30

Recorded at Wallace, Idaho, Shoshone County
Book No. 28, Pages 246 to 269

Form 6-30
UNITED STATES
DEPARTMENT OF THE INTERIOR
~~BUREAU OF MINES~~

DEFENSE MINERALS ADMINISTRATION

OFFICIAL BUSINESS

16—47319-2

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(GPO)

Mr. Harold E. Enloe
Route No. 1
Franklin, North Carolina

Location of Mining Claims
Marble Mountain Mines Co.
Shoshone County Idaho
Claims: Muscovite #1 & #2
Homestead #1 to #22

Legend
—— Mining Claims 600' x 1500'
Proposed Bulldozer Work
—— Section Lines

Scale 1" = ½ Mile

MF 103 - #4

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