DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE  Idm-E NO._____  DMEA NO. 4970

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

**Left Side**

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [x] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

**Right Side**

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

**Left Side**

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

**Right Side**

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

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

CENTRAL FILE COPY
DMEA
RECEIVED MAR 26 1958
DATE ROUTING CODE

March 24, 1958

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V - Knoxville

Subject: Application - H. Lee Medford, Altapass, N.C.
Brown Mine, Upson County, Georgia

Transmitted are three copies of the subject application including - 5 signed copies of Owner's Consent to Lien, a copy of the mining lease and a map showing the location of the property.

V. J. Lynch

V. J. Lynch

Form MF-103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

# APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

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

H. Lee Medford

Altapass, North Carolina

**APPLICANT NOT TO USE THIS BLOCK**

| | |
|---|---|
| Docket Number | 4970 |
| Date Received | 3-26-58 |
| Government Participation % | 75 |
| Region | V |
| Division Code | 200 |

**BUSINESS ORGANIZATION** (Check one)

- Individual [x]
- Corporation [ ]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized

**LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE**

| Name | Address | Title |
|---|---|---|
| | | |

Mineral(s) for which you wish to explore: Mica

Estimated Cost of Project: $ 8,000.00

**LOCATION OF PROPERTY**

| Name | County | State |
|---|---|---|
| Brown Mine | Upson | Georgia |

## GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Amended, "Government Aid in Defense Exploration Projects." 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 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. 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 2(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 Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA 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.

March 11th, 1958
*Dated*

RECEIVED
MAR 17 1958

H. Lee Medford
BY (Signature)

Lessee
*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. *Applicant's Property Rights:*

*(a)* 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 land adjacent to the proposed project area which you own or control. Describe any part of the project area or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

*(b)* State all the names by which you know the property.

*(c)* State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

*(d)* Describe all liens, mortgages, or other encumbrances on the property.

2. *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 lands, including existing mine workings. Describe all production facilities.

*(b)* State your interest, if any, in operations stated in 2*(a)*.

*(c)* State, as far as 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 on the property giving quantities and grades and sampling methods used, supporting 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 may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

*(a)* To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

*(b)* Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

*(a)* Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the 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 *property boundaries* or to the closest identifiable corner.

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

*(c)* In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

*(a)* Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, 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. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

*(c)* Operating materials and supplies. List items of material and supplies with their cost. 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 operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

*(e)* Initial rehabilitation and repairs. Describe the type and the cost of necessary *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 on the exploration project.

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

*(g)* Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(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* – No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. *(a)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

*(b)* Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP.-SEC., WASH., D.C. 15539

OFFICE FILE COPY
DMEA
RECEIVED MAR 26 1958
DATE | INITIALS | CODE

Information required with Application

I. Applicants Property rights:

A. Property leased. (Lease and Consent to lient enclosed.)

II. Physical Descriptions:

A. Map enclosed
B. Lessee
C. Letter stating past production enclosed

III. Accessibility project:

A. H. Lee Medford will meet DMEA representatives at their convenience

IV. Exploration project

A. Map enclosed

V. Experience: 30 years in mining

VI. Estimate of Costs: $8000.00

VII. Mining equipment owned by Applicant.

VJL
RAL

Altapass, North Carolina,
March 12, 1958

FILE COPY
DMEA
DECEMBER 20 1958

U. S. Dept. of the Interior Geological Survey
Attn: Hon. Robert A. Laurence, Executive Officer
Field Team, Region VII
Room 13, Post Office Building
Knoxville 01, Tenn.

Gentlemen:

Enclosed please find Form MF-103 and Form MF-205 and map showing the mine and land upon which the application for loan is based and also contract and agreement with the owners of the land.

As you will see from the enclosed agreement between the land owners and me that I already own the original lease from Josephine Brown, (mother of Paul Brown and grandmother of J. P. Brown, Jr., and Iva Jo Gossett present owners of the 202½ acres upon which the mine and plat herein represented lies). You will also note from the same that the regular royalties are pre-paid up to March 6, 1962, and the provision in said agreement for the 5% royalty is the compensation to the Browns for signing the consent to lien and there is no controversy between them and me. Other parties and I have mined the old Brown Mine which is represented on the enclosed plat during the past four years and in that period I estimate that there has been taken from that mine ten or twelve thousand dollars worth of mica. In my last attempt to reach the main vein of mica, I practically exhausted all of my funds and did not reach the vein of mica which I was seeking. I have been advised by several miners who have previously mined this property that the main vein of mica lies below the water level and so far I have not been able to get below the water level and it is generally stated and believed that the water level is at least 75 feet below the surface. From the information that I have, I believe that with the expenditure of eight thousand dollars more, I can reach a good supply of good mica in that mine and it is imperative that I have that much assistance or that good mica will just lie underground and be of no use to the Government or anybody else.

I would like to impress you that I need quick action and to get the help I need at as early time as possible.

I have $25,000.00 worth of mining equipment practically all idle and I want to use it mining for mica. I assure you that I will greatly appreciate your early consideration of this matter.

RECEIVED
MAR 17 1958
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

Very truly yours,

H. Lee Medford

H. Lee Medford

# U.S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1957)
Promulgated by Bureau of the Budget Circular A-33 (Rev.)

| NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM | | NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM | |
|---|---|---|---|
| ~~John Dalton~~ ~~Room 4456~~ | STOP | | STOP |
| Extra Prints MW Article 3/9/58 | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |

Use other side

Use STOP only when messenger service between Government buildings in Washington, D. C., is required or wherever a STOP system is Your mail room has STOP information.

## INSTRUCTIONS FOR USE

1. Identify Agency of Addressee
2. Void Previously Used Block
3. Write Clearly
4. Send Surplus Envelopes to Supply Room for Reissue

| | | | |
|---|---|---|---|
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |
| | STOP | | STOP |

Use other side first

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 11/3 | Anderson | 600 |
| 11/4 | Houk | 600 |
| 11/4 | Selfridge | 120 |
| | | ~~100~~ |
| | | 220 |
| | | |
| | | |
| | | |
| | | |

600

NOV 5 1958

Mr. H. Lee Medford

Altapass, North Carolina

Re: Docket No. DMEA-4970-Mica
H. Lee Medford
Brown Mine
Upson County, Georgia

Dear Mr. Medford:

Pursuant to your request in letter of October 25, 1958, to our Field Team Office at Knoxville, Tennessee, we are returning the lease and five copies of the Consent to Lien and Subordination Agreement, submitted with your application, dated March 11, 1958.

Sincerely yours,

Frank E. Johnson

Acting Director

Enclosures 6

WCAnderson:gad 11/3/58
Copy to: Dir. R. File
Field Team, Region V
Mr. Kiilsgaard
Mr. Dietrich
Mr. Houk

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
ROOM 2-B POST OFFICE BLDG.
KNOXVILLE 2, TENN.

October 28, 1958

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 30 1958

| DATE | INITIALS | CODE |
|---|---|---|
| 10/30 | C | 220 |
| 10/31 | Dbrh | 600 |
| | | |
| | | 225 |
| | | |
| | | |
| | | |

Memorandum

To: Operating Committee, OME Washington, D. C.

From: OME Field Team, Region V - Knoxville, Tennessee

Subject: DMEA-4970, (mica) H. Lee Medford, Altapass, N.C.
Brown Mine, Upson County, Georgia

Enclosed is a copy of a letter from the Applicant. The items he wants returned were sent to you on March 24, along with the application.

Robert A. Laurence
Robert A. Laurence
Executive Officer, OME
Region V

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
ROOM 2-B POST OFFICE BLDG.
KNOXVILLE 2, TENN.
October 28, 1958

EXTRA COPY
O. M. E.
RECEIVED OCT 30 1958

| DATE | INITIALS | CODE |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

Memorandum

To: Operating Committee, OME Washington, D. C.

From: OME Field Team, Region V - Knoxville, Tennessee

Subject: DMEA-4970, (mica) H. Lee Medford, Altapass, N.C.
Brown Mine, Upson County, Georgia

Enclosed is a copy of a letter from the Applicant. The items he wants returned were sent to you on March 24, along with the application.

Robert A. Laurence
Executive Officer, OME
Region V

V. J. Lynch, Member
Bureau of Mines

RAL/sm
cc
Lynch
Files

Aetapass, N. C.
Oct. 25, 1958

Robert A. Lawrence
DMEA
Knoxville, Tenn.

Re: DMEA 4970 (Mica)
Brown Mine
Lipson County, Ga.

Dear Mr. Lawrence:

The land owners of the above prospect have requested that their lease and consent to lien papers be returned. Will you please send them to me as soon as possible.

Sincerely,
Southern Mining Co.
Lee Medford Pres.

RECEIVED
OCT 27 1958
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 7/15 | Anderson | 600 |
| 7/15 | Houk | 600 |
| 7/16 | Martin | 130 |
| 7/16 | Lamb | 130 |
| 7/16 | Kilsgaard | 220 |
| " | Johnson | 110 |
| " | Mittendorf | 100 |
| | | 220 |
| | | |

600

JUL 16 1958

Mr. H. Lee Medford

Altapass, North Carolina

Re: Docket No. DMEA-4970-Mica
H. Lee Medford
Brown Mine
Upson County, Georgia

Dear Mr. Medford:

We regret that we were unable to completely process your application for exploration aid prior to June 30, 1958, the termination date for approving new contracts, as announced by the enclosed copy of a news release of June 6, 1958.

However, had the processing been completed, we would have been unable to approve a project based upon the information available to us in Washington concerning your property.

We wish to thank you for your interest in the DMEA program and for bringing the exploration plan to our attention.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

WCAnderson:rsi 7/15/58
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 7/3 | Anderson | 600 |
| 7/16 | Houk | 600 |
| | | 110 |
| | | 100 |
| | | 220 |
| | | |
| | | |
| | | |
| | | |

600

August 3, 1958

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Director, Division of Nonmetallic Minerals

Subject Evaluation of application and field examination report
Docket No. DMEA-4970-Mica
H. Lee Medford
Brown Mine
Upson County, Georgia

Denial of application is recommended.

Mica: No information given in Field Team Examination Report except the following: "The muscovite seen in place was small". Applicant alleges he produced from $10,000 to $12,000 worth of mica within last four years, but this statement is not supported with copies of settlement sheets or mine records, as is required in the application.

Pegmatite: Because of lack of outcrops and poor exposures, the character and extent of the pegmatite is not known. Reported by applicant to be a deeply weathered, discordant pegmatite body 10 to 20 feet wide. The pegmatite exposed is medium-grained and composed of perthite, plagioclase, quartz, muscovite and biotite. The country rock consists of weathered, granitized biotite gneiss which is cut by at least five normal faults spaced 15 to 20 feet apart.

Old Workings: Worked intermittently since 1915. An open cut which has removed most of the underground workings, is over 200 feet long, by 50 to 100 feet wide and 20 to 40 feet deep.

Exploration Proposal: No detail outlined by applicant. Says that he needs $8000 to reach a good supply of good mica.

Recommendations: The Field Team recommends that exploration assistance be denied because of the flooded condition and lack of exposures of pegmatite to outline a definite geological target. The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson
Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 7/3/58
Copy to: Admr. R. File
Mr. Houk

8623

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED
DATE | No. | CODE
7/9 | 3 | 220
| | 600

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

July 7, 1958
Re: DMEA 4970
H. Lee Medford
Brown Mine
Upson County, Georgia
$8,000 - Mica

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring at greater depth a pegmatite from which the applicant and previous workers (back to 1916) have recovered considerable mica.

The applicant, by open cut work, recovered old pillars. The examiners allow there may be mica-bearing pegmatite remaining, but due to the condition of the pit, and poor exposures of the pegmatite, conclude it is not now possible to lay out a work program. No definite geologic target being discernible, they recommend that the application be denied. I concur with their conclusions and recommendation.

N. E. Nelson

N. E. Nelson

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

July 1, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

Offered

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 4970 (mica)

7/2 C 220 600

Applicant: H. Lee Medford

Name and Location of Property: Brown Mine
Upson County, Georgia

Date of Field Team Report: June 25, 1958

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: June 30, 1958

Field Team Recommendation: Recommend denial of application.

Comments:

1. This is an old mine at which most of the old workings have been removed by the applicants open cut - bulldozing.

2. Applicant claims he removed pegmatite left from previous mining and sold 10 to 12 thousand dollars worth of mica.

3. Mica seen by examiners at limited exposures was small.

4. Although, geologically there could be reserves of strategic mica at this prospect, the flooded condition of the workings and lack of exposures of pegmatite precludes the outlining of a definite geologic target.

Recommendation:

I concur with the recommendation of the field team that the application be denied.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 27 1958

| DATE | INITIALS | CODE |
|---|---|---|
| 6/27 | C | 220 |
| 6/30 | [illegible] | 130 |
| 6/30 | C | 220 |
| 6/1 | [illegible] | 600 |
| | | |
| | | |
| | | |

June 25, 1958

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tennessee

Subject: Field Examination Report - DMEA-4970 (mica)
H. Lee Medford, applicant. Brown Mine, Upson County, Ga.

Transmitted are three copies of the subject report.

The Field Team concurs with the Examiners recommendation for denial of this application.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Region V

S. A. Feitler
S. A. Feitler, for V. J. Lynch
Member, DMEA Field Team
Bureau of Mines

z

Reviewed by
DMEA OPERATING COMMITTEE
6-30-58
(date)

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 27 1958

| DATE | | |
|---|---|---|
| 6/30 | HB | 130 |
| | | 220 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

# FIELD EXAMINATION REPORT

ON

## DMEA-4970 (mica) BROWN MINE
Upson County, Georgia

By

F. G. Lesure, Geologist
Geological Survey

S. A. Feitler, Mining Engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
6-30-58
(date)

June 25, 1958

FIELD EXAMINATION REPORT

ON

DMEA-4970(mica) BROWN MINE
Upson County, Georgia

Applicant: H. Lee Medford, Altapass, Spruce Pine, North Carolina

SUMMARY

Open cut mining has removed much of the former workings in the old Brown mine. Muck and mud conceal much of the walls and floor of the cut and the pegmatite exposed at the northeast end does not contain much strategic mica. Although reserves of mica may be present, the lack of a definite geologic target prevents planning an adequate exploration program. We recommend that exploration assistance be denied.

INTRODUCTION

Location: The Brown mine is on the north side of the Po Biddy road, 4.2 miles S2°W of the Thomaston town square (location 3, pl. 27, U.S. Geol. Survey Prof. paper 248-F).

Examination: The examination of the brown mine was made April 23, 1958 and lasted one hour. The Examiners were accompanied by Mr. H. L. Medford, Mr. Howard Boone, Dr. A. S. Furcron, Chief Geologist, Georgia Geological Survey, and Mr. R. A. Laurence, Executive Officer, DMEA Field Team, Region V.

History: The Brown mine was opened in 1916 and has been worked intermittently since than. History of the mine up to 1944 is given by E. Wm. Heinrich and others (1953, Mica Deposits of the southeastern Piedmont, U. S. Geol. Survey Prof. paper 248-F, p.334-334, Pl.28). Since the war-time mapping the open cut started in 1944 has been enlarged toward the northeast until much of the old und er-ground workings have been removed or covered with muck. The Applicant enlarged the southwest end of the cut in 1953 and the

northeast end in 1957. He reports that he removed pegmatite left from previous mining and sold 10 to 12 thousand dollars worth of mica. The northeastern part of the cut is now over 200-feet long, 50 to 100 feet wide and 20 to 40 feet deep.

## GEOLOGY

At the northeast end of the cut a deeply weathered discordant pegmatite body 10 to 20 feet wide, trending northeast, is poorly exposed in the area of the old main incline (Prof. paper 248 F, Pl.28). This pegmatite is reported by the Operator to be continuous along the northwest wall of the cut for several hundred feet and is probably the pegmatite worked from the shaft B (Pl.28). Muck, mud, and water now conceal much of this area.

The exposed pegmatite is medium-grained and composed of perthite, plagioclase, quartz, muscovite and biotite. The muscovite seen in place was small.

At least five normal faults striking N50°W, dipping 45° NE and spaced 15 to 20 feet apart cut the weathered biotite gneiss country rock along the northwest wall of the cut. The gneiss is partly granitized and contains seams and lenses of pegmatite 2 to 6 inches thick.

According to the Applicant the keel of the pegmatite was followed downward along the southwest end of the open cut and the body probably plunges 25° to the northeast.

## RECOMMENDATIONS

We recommend that exploration assistance be denied.

Because of the lack of outcrops, the attitude and extent of the pegmatite poorly exposed at the northeast end of the cut are unknown. What pegmatite is exposed does not contain significant amounts of strategic muscovite. Although the mine may well have considerable reserves of mica, lack of exposures prevents outlining a definite geologic target.

F. G. Lesure, Geologist
Geological Survey (DMEA)

S. A. Feitler, Mining Engineer
Bureau of Mines (DMEA)

z

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 4/2 | Houk | 600 |
| 4/4 | GCS | 130 |
| " | Johnson | 110 |
| " | Brittenstof | 100 |
| 4/7 | C | 220 |
| | | 600 |
| | | |
| | | |
| | | |

600

APR 4 1958

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4970-Mica
H. Lee Medford
Brown Mine
Upson County, Georgia

Dear Mr. Laurence:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated March 27 and 28, 1958, by Mr. H. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

Frank D. Lamb (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

LGHouk:4/2/58
Rewritten
FEJohnson:rsi 4/2/58
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Enclosures 5

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 4/3 | Houk | 600 |
| 4/4 | Selbridge | 130 |
| 4/4 | Lewis | 130 |
| 4/4 | Kiilsgaard | 0 |
| " | Johnson | 110 |
| " | Mattesdorf | 100 |
| | | 220 |
| | | |
| | | |

600

APR 4 1958

Mr. H. Lee Medford

Altapass, North Carolina

Re: Docket No. DMEA-4970-Mica
H. Lee Medford
Brown Mine
Upson County, Georgia

Dear Mr. Medford:

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

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

Sincerely yours,

S. C. Johnson (fw)

Administrator

LGHouk:gad 4/2/58
Rewritten
LGHouk:FEJohnson:gad 4/2/58
Copy to: Admr. R. File
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 4/2 | Hoel | 600 |
| | | 130 |
| | | 130 |
| | | 130 |
| | | 110 |
| | | 100 |
| | | 220 |
| | | |
| | | |

600

Mr. H. Lee Medford

Altapass, North Carolina

Through Mr. Robert A. Laurence

Re: Docket No. DMEA-4970-Mica
H. Lee Medford
Brown Mine
Upson County, Georgia

Dear Mr. Medford:

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

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

Your application fails to set forth a definite exploration program, and while you state that $10,000 to $12,000 worth of mica has been produced within the last four years, you fail to support your statement with copies of settlement sheets or mine records as requested in Question 2 (c) of the application, Form MF-103. Please provide this information to the Field Team ~~at the time the field examination is made~~. as soon as [illegible] L. [illegible]

It will also be necessary that you provide the Field Team with a copy of the Mineral lease from Josephine Brown to the Barron Mica Mining Company and a copy of the assignment of the lease to you, and also Consent to Lien and Subordination Agreement of Josephine Brown. Six copies of Form MF-205 are enclosed. If the mineral lease executed by Josephine Brown to the Barron Mica Mining Company comprised 25 acres, the DMEA will require that the entire acreage be subordinated.

The last paragraph of your letter of March 12, 1958, to Mr. Robert A. Laurence, would indicate that you do not understand the Defense Minerals Exploration Administration Program.

8623

You will find enclosed DMEA Order-1. Please note Sec. 2, Definitions, particularly the last sentence in Paragraph (a), underlined in red.

Please provide the Field Team with a list of the equipment you intend to use on the DMEA project, together with the present market value, age, and condition.

Sincerely yours,

Administrator

Enclosures 7

LGHouk:gad 4/1/58
Copy to: Admr. R. File
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 4/2 | Houk | 600 |
| | | 130 |
| | | 110 |
| | | 100 |
| | | 220 |
| | | |
| | | |
| | | |
| | | |

600

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4970-Mica
H. Lee Medford
Brown Mine
Upson County, Georgia

Dear Mr. Laurence:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated March 27 and 28, 1958, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

We have prepared and enclosed a letter to be forwarded to the Operator if you agree.

Yours,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

Enclosures 6

LGHouk:gad 4/1/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

Mr. H. Lee Medford

Altapass, North Carolina

Re: Docket No. DMEA-4969-Mica
H. Lee Medford
Peters Mine
Monroe County, Georgia

Dear Mr. Medford:

Your application for exploration assistance at the Peters Mine is deficient in that it gives no program and no breakdown of costs, nor is there any information on the quality of the 500 pounds of mica produced during the bulldozing. Generally 1.75 acre tracts are not acceptable. Will you please obtain at least a ten acre tract, supply a metes and bounds description of the property, and advise the Field Team of your success?

Sincerely yours,

Lawrence G. Houk

Lawrence G. Houk
Director, Division of Nonmetallic Minerals

Mr. Houk -

Ask specifically what you want from applicant.

Why don't we have him advise us instead of Field Team?

Frank E. Johnson

RECEIVED MAR 31 1958
DATE | INITIAL
3/31 | C | 220
4/1 | | 600

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

March 28, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4970 (mica)

Applicant: H. Lee Medford

Name and Location of Property: Brown Mine, Upson County, Georgia

Date Application Rec'd. by Br. of Ceramic & Fertilizer Mtls. 3/26/58

Comments:

1. This is an old mine from which applicant states he and others have recovered 10 or 12 thousand dollars worth of mica in the past four years.

2. Applicant states that it is generally believed that the main mica vein lies below the water level and it will take $8,000 for him to reach it.

3. No method of exploration is outlined.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if proposed work is exploration or development, and if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

| | | |
|---|---|---|
| 3/28 | C | 226 |
| 3/21 | Houk | 600 |

March 27, 1958
Re: DMEA 4970
H. Lee Medford
Brown Mine
Upson County, Georgia
$8,000 - Mica

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant requests assistance in exploring at greater depth a pegmatite on which the applicant has been working for four years.

During that period mica worth from ten to twelve thousand dollars has been produced. The applicant now proposes to reach the main vein below water level where he expects to find a good supply of good mica.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

March 26, 1958

Mr. H. Lee Medford
Altapass, North Carolina

Subject: DMEA-4970

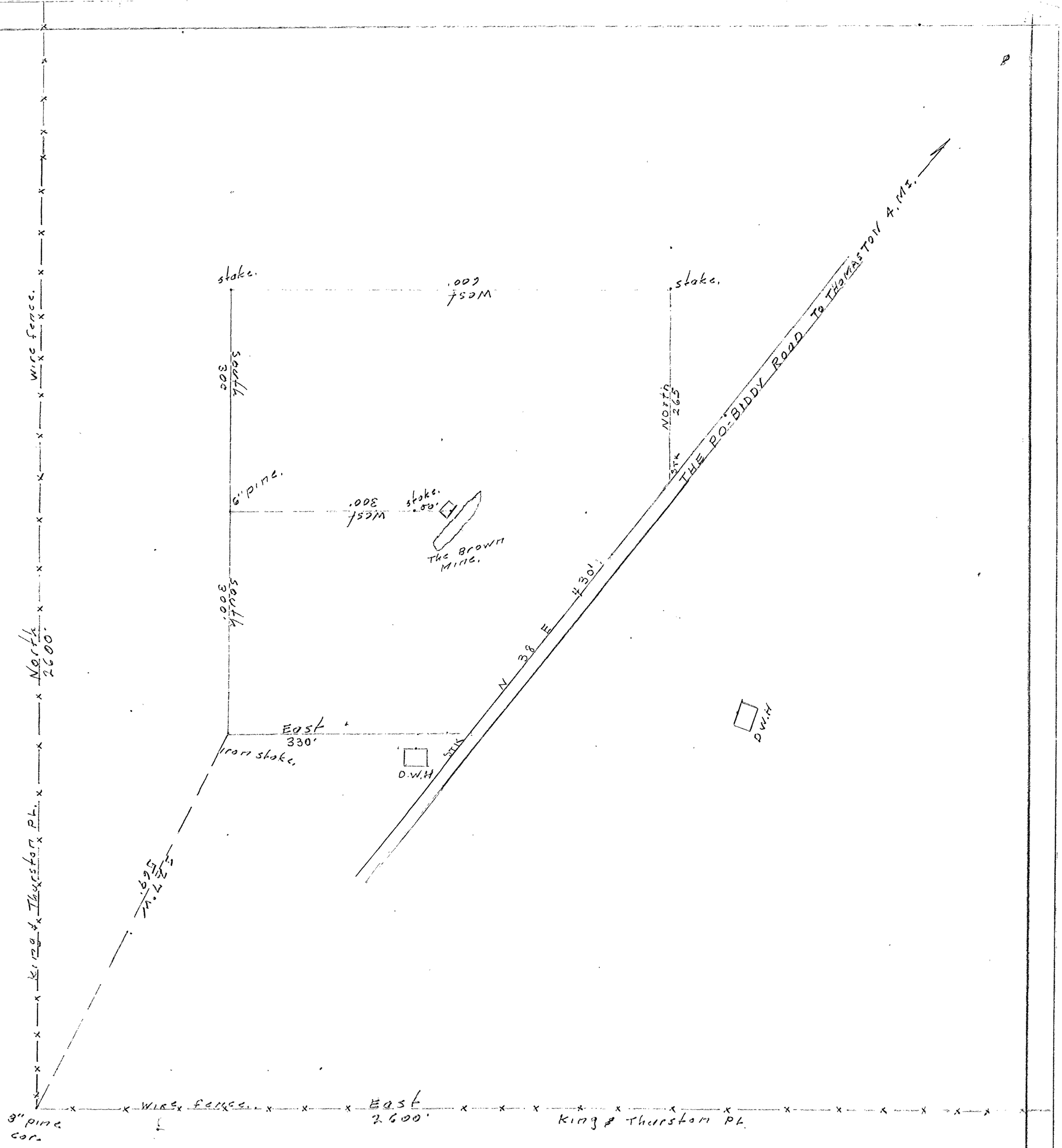
Dear Mr. Medford

Your application for exploration assistance, dated March 11, 1958 submitted to our office at Knoxville, Tennessee has been assigned Docket Number DMEA-4970 and referred to the Non Metallics Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region V




THE BROWN MINE
BOUNDRY CONTAINS 202.5 ACRES
AS RECORDED IN BOOK 140, PAIGE
12, UPSON CO. GEORGIA.
DATE OCT. 10, 1957.
SCALE, 1" = 100'
MINE LOCATED APPR. 4. MILES
S°E OF THOMASTON GEORGIA.

N