DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4997

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- [ ] Withdrawn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

- [x] Project summary (final)
- [ ] Work Comoleted 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
- [x] 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

17863

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED
MAY 21 1958
D.M.E.A.

CONSENT TO LIEN and SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Jackson, State of North Carolina, described as follows: 2/

Beginning a a white oak near the corner of No. 10 and runs S 40 E, 40 ploes to a stake on the side of a mountain; thence S 60 W, 80 poles to a stake; thence N 40 West 80 poles to a stake; thence North 34 poles to a white oak in the line of No. 40; being 4 poles East of a large chestmut corner; thence North 63 East, 38 poles with the line of No. 40 to a locust; thence East 30 poles to a hickory on the line of No. 10; thence South 40 East 35 poles with the line of No. 10 to the beginning, containing 50 acres, being on Long Branch,

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

_____

_____

_____

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 11th day of April, 1958.

Orville H. Moore [Seal] RD #1 Hyndman, Pa. [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

RECEIVED
MAY 13 1958
D.M.E.A.

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EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
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7. Added provision: _____ (State "None" or "See Annex No.____")

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Orville H Brown [Seal] RD#1 Hyndman Pa [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

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[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

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EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 11th day of April, 1958.

Oswald Zl Jr [illegible] [Seal] [illegible] [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

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[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED MAY 23 1956 D.M.E.A.

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which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

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Orville H Moon	[Seal]	RD #1 Hyndman Pa	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

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MF-205
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Operator_____
Docket No. DMEA-_____
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and
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7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this 11 day of April, 1958.

Orville H Moon [Seal] RD 4 / Hyndman Pa [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

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[Corporate Seal]

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

RECEIVED MAY 1

April 29, 1958

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Application from Roy H. Fouts, et al.
Long Branch Mine, Jackson County, N.C. (Mica)

Enclosed are the original and two copies of the subject application, received today, with one copy of the mining lease and five signed copies of the Consent to Lien. No property map was received.

We are keeping the fourth copy of the application.

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

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

April 29, 1958

Mr. Roy H. Fouts
P.O. Box 314
Franklin, N.C.

Dear Mr. Fouts:

Your application for aid in exploring for strategic mica at the Long Branch mine in Jackson County, North Carolina has been forwarded to our Washington office, in accordance with established procedure.

We will notify you in advance if a field examination is to be made.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/sm
cc
Lynch
Opr. Com.
Files

Form MP-103
Revised Oct. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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)

LONG BRANCH MINE
P.O. Box 314
Franklin, North Carolina

RECEIVED MAY 2 1958 DMEA

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4997
Date Received: 5-1-58
Government Participation %:
Region: V.
Division Code: 600

BUSINESS ORGANIZATION (Check one)

- Individual ☐
- Corporation ☐
- Partnership ☐
- Other (Specify) ☐

State in which firm is organized:

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Roy H. Fouts	P.O. Box 314, Franklin, N.C.	Partner
William Dinnes	Franklin, N.C.	"
Orville H. Moore,	Route # 1 Hyndman, Pa.	"
Gerald E. Stair,	" " " "	"
Herman K. Drenning,	Everett, Penn.	"

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

Estimated Cost of Project: $

LOCATION OF PROPERTY

Name	County	State
Long Branch Mine	Jackson	N.C.

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Revised, "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.

April 28, 1958
Dated

RECEIVED APR 29 1958 U. S. Geological Survey Geologic Division Knoxville, Tenn.

Roy H. Fouts
BY *(Signature)*

Partner
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 land 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, Revised.

(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.

* * * * *

EXHIBIT "A"

1. The legal discription of the exploration area in the Consent to Lien being the same deed from Annie Tompkins and Emily Tompkins, of Jackson County, North Carolina to Arville Moore of Bedford ~~County~~, Pennsylvania, Recorded in Book of Deeds for Jackson County, North Carolina No. 225, Page 67.

2. There is an old adit about 150' which crosscut and penatrated the pegmatite. Then an an incline was drove approximate 50 to 60 feet, some of which was stoped and filled, however; it is reported that near the close of the Colonial Mica Corporation program in this incline area worthwhile amounts of Strategic Mica was found. The Pegmatite near the portal was barren. That was the reason reported to sink a winze, however; since the winze was sank entirely by hand hoist operated they were unable to move large amounts of ore, but the percentage of mica in the ore was very good. The pegmatite consist of quartz, Biotite gneiss, partly granitized, feldspar, scrap and sheet mica. The foliation of gneiss where observed seemed to be conformable.

   The stoped decomposed area above the adit was reported to contain sheet mica over the incline and the farther back into the hill the better the mica and the plunge and strike seem to indicate same. This is why we expect to find reserve ore by following the pegmatite with a winze/ and or crosscut penatrating both depth and length.

3. The Long Branch Mine is located on good gravel road about 2 Miles from Cullowhee College, Cullowhee, N.C. on the Long Branch section. Roy H. Fouts will provide transportation in Jeep to mine for DMEA REPRESENTATIVES to inspect the mine. The stoped incline area is flooded, and this will be dewatered if directed by the Field Team.

   Water & Electricity is on the property.

4. The proposed exploration is to drive an additional 200' in new territory, regardless if this be winze, incline crosscut, or lateral drifting, in a northwesternly direction in attempt to block out reserves in the known area where sheet mica was producted.

   Good access road are to the property, and mine indicated on map of TVA Jackson County Cullowhee Quadrangle 175-SW.

   If Exploration work contemplated meets with DMEA approval and a contract is written work can be started within 30 days.

5. We have been operating Mica Mines for the past 10 years and are familiar with the DMEA Order 1, Amended.

   R.L. Hall will supervise the operation and is familiar with the State Mining Regulation of North Carolina.

EXHIBIT "B"

6. Estimate of Cost:

1.	Construction	130.00
2.	Rehabilitate 150' Adit	567.00
3.	Rehabilitate 50' Winze	1000.00
4.	Two hundred feet of Winze and/or adit and/or crosscut	7000.00
	Total Cost	$ 8697.00

1.	Tool House	80.00		
	Powder Storage Magazine	30.00		
	Exploder Storage Magazine	20.00	130.00	
2.	Blower tubing 150' @ 1.70	225.00		
	Installing 32# Rail which Necessitate triming			
	Providing escape ways & etc.	200.00		
	Installing 4" Airline	45.00		
	Water Line system for drill	22.50		
	Lighting and blasting system	75.00	567.00	
3.	Install Air hoist or tugger, rehabilitate and muck out winze, which includes, mucking out, extension of air line, both for water line drilling, ventlation, installation of rails on winze, lighting and blasting system and escape way. 50' @ $ 20.00 per foot		1000.00	
4.	Material and Labor for driving 200'			
	Labor: Foreman per shift	$ 20.00		
	Driller " "	10.00		
	Mucker " "	10.00		
	Tugger & Locomotive Op	8.00		
	Total per shift	48.00		
	$ 48.00 per shift 100 shifts		4800.00	
	Dynamite		750.00	
	Exploders		280.00	
	Mine Timber		330.00	
	Drill Steel		320.00	
	Rental on equipment		520.00	
	Total		$ 8697.00	8697.00

MINING LEASE

STATE OF NORTH CAROLINA
COUNTY OF JACKSON

This Lease Agreement, made and entered into this 11 th day of April 1958, by and between Orville H. Moore party of the first part, and Roy H. Fouts, William Dinnes, Orville H. Moore, Gerald E. Stair and Herman K. Drenning. party of the second part.

W I T N E S S E T H:

That subject to the terms and conditions hereinafter set forth said parties of the first part have let and leased and by these present do hereby let and lease unto said party of the second part, its successors and assigns, the right and privilege to mine, dig mill, process and remove all mica, clays, rocks, and other minerals now in, under or upon a certain tract or parcel of land lying and being in Jackson County, North Carolina, and more particularly described and bounded as follows:

> Beginning at a white oak near the corner of No. 10 and runs South 40 East, 40 poles to a stake on the side of a mountain: thence South 60 West, 80 poles to a stake; thence North 40 West 80 poles to a stake; thence North 34 poles to a white oak in the line of No. 40; being 4 poles East of a large chestnut corner; thence North 63 East, 38 poles with the line of No. 40 to a locust; thence East 30 poles to a hickory on the line of No. 10; thence South 40 East, 35 poles with the line of No. 10 to the beginning, containing 50 acres, being on Long Branch.

The terms and conditions are as follows:

Unless sooner terminated as herein provided, this lease shall exist and continue for three years from date of instrument.

As rental, party of the second part, or their duly constituted agent, shall pay or cause to be paid to parties of the first part or their duly constituted agent, the following.

1. Five percent (5%) of the market value of all scrap Mica mined and removed.

2. Ten percent (10%) of the market value of all other Mica and clays mined and removed.

3. Ten percent (10%) of the market value of all other minerals mined and removed.

Said rental shall be paid monthly on or before the 15 th day of each calendar month of all sums due for the proceding month.

Party of the second part shall keep a correct record of all minerals mined and removed under this lease, and such records may

at any time be inspected by parties of the first part, for the purpose of ascertaining the amount of rental due on or at any rental payment date. Party of the second part shall furnish to party of the first part a duplicate invoice of all minerals sold.

So long as this lease remains in force, party of the second part shall in connection therewith have and enjoy the following right and privileges:

a. The right to the use of the surface of said land to full extent that such use is reasonably convenient or necessary in mining, digging and removing such minerals as they desire.

b. The right to construct and place upon said land buildings and machinery and to remove the same.

c. The right to construct and maintain roads in such locations as may be necessary to and convenient in operating under this lease together with the right to cut and remove timber to clear such roads.

c. The right to cut and remove such timber as may be reasonable necessary or convenient for such operation

It is understood and agreed between the parties hereto that operations will begin within six month from date of lease, and failure to operate for six month period during the period of this lease, the lessor at his option may declare this lease terminated and of no further force and effect.

It is further expressly understood and agreed that if at the expiration date of this lease that such mining operations is not terminated that they may continue as long as such operations may be profitable.

TO HAVE AND TO HOLD said mica and mining privileges herein set forth according to the terms hereof unto the said parties, their heirs and assigns, to their only use and behoof forever.

IN TESTIMONY WHEREOF, the parties hereto have set their hands and affixed their seals the day and year first above written.

Orville H. Moore (SEAL)
Roy H. Lewis (SEAL)
William Simms (SEAL)
Gerald E. Stair (SEAL)
Herman K. Drumming (SEAL)

NORTH CAROLINA
MACON COUNTY

Personally appeared before me this day Orville H. Moore, Roy H. Fouts, William Dinnes, Gerald E. Stair, and Herman K. Drenning, who acknowledged the due execution of the foregoing agreement for the purposes therein expressed.

WITNESS my hand and Notarial seal, this 21st day of April, 1957.

Cecil Gibson
Notary Public, Macon County, N.C.

My Commission Expires December 22, 1959

STATE OF NORTH CAROLINA
JACKSON COUNTY

The foregoing or annexed certificate of Cecil Gibson, a Notary Public of Macon County, attested by his/her Notarial Seal, adjudged to be correct, and in due form of law. Let the said instrument and the certificates be registered.

This 23 day of April, 1958.

Margaret W. Henson
Clerk Superior Court.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/17	Anderson	600
7/17	Houk	600
		110
		100
		220

600

July 16, 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-4997-Mica
Roy H. Fouts, et.al.
Long Branch Mine
Jackson County, North Carolina

Denial of application is recommended.

Mica: Ten to twenty percent mica in the footwall zone, but much of this mica is small, bent, and ruled. Occurs in books up to 4 to 5 inches.

Pegmatite: Ten feet thick over a strike length of at least 165 feet. Zoned with a 3 to 4 foot thick footwall zone composed of plagioclase, quartz, and muscovite, overlain by a massive quartz core 3 to 4 feet thick, and a hangingwall zone 1 to 2 feet thick. All zones contain scattered mica books up to 4 by 5 inches.

Old Workings: Mostly on a single irregular pegmatite. Opened in 1894 and worked intermittently until 1944 when it was abandoned. Drift and incline 165 feet long.

Past Production: Data not available.

Method of Exploring: Applicants propose to drive 200 feet of openings in new territory, which include winzes, inclines, crosscuts and drifts for which they request $8,697.00.

Comments: The Long Branch Mine is an old mine that has largely been worked out above the lowest drift level. Attempts to develop the mine during World War II were not profitable. Exploration beyond the worked out portion of the mine is not justified, since nothing in the way of geological criteria to indicate continuance of the pegmatite has been presented.

Recommendations: The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur in the Field Team's recommendation to deny this application.

Walter C. Anderson

WCAnderson:rsi 7/16/58
Copy to: Admr. R. File
Mr. Houk

Walter C. Anderson
Division of Nonmetallic Minerals

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
7/17	Anderson	600
7/17	Houk	600
7/18	Martin	130
7/18	Lamb	130
7/18	Kelson	130
"	Jones	110
"	Mittendorf	100
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JUL 18 1958

Long Branch Mine
c/o Mr. Roy H. Fouts
P. O. Box 314
Franklin, North Carolina

Re: Docket No. DMEA-4997-Mica
Roy H. Fouts, et al.
Long Branch Mine
Jackson County, North Carolina

Gentlemen:

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 7/17/58
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

June 30, 1958

Memorandum

To: Lawrence G. Houk, Chief, Nonmetallic Minerals Division, DMEA

From: Mine Examination and Exploration Engineer
Region V

Subject: DMEA 4997 (Mica), Roy H. Touts, Long Branch Mine,
Jackson County, N. C.

Pursuent of our telephone conversation this morning, there is enclosed the original and two (2) copies of the subject application received at this office this morning.

H. L. Burmeister

Enclosure:
As noted above

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Reviewed by
DMEA OPERATING COMMITTEE
7-7-58
(date)

On-site Exam Rpt

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

June 26, 1958

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Report - DMEA-4997 (mica)
Long Branch Mine, Jackson County, N.C.
Roy H. Fouts, et al.,applicants

Transmitted are three copies of the subject report.

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

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

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

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Reviewed by
DMEA OPERATING COMMITTEE
7-7-58
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT

REGION V

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ON

DMEA-4997 (mica) LONG BRANCH MINE
Jackson County, N.C.

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

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

June 26, 1958

Reviewed by
DMEA OPERATING COMMITTEE
7-7-58
(date)

FIELD EXAMINATION REPORT

ON

DMEA-4997 (mica) LONG BRANCH MINE
Jackson County, North Carolina

Applicants: Roy H. Fouts, et al, Franklin, North Carolina

SUMMARY

The Long Branch is an old mine that has been largely worked out above the lowest drift level. Along this level a zoned irregular pegmatite body has been followed for about 165-feet with muscovite up to 4 x 5 inches in both footwall and hanging wall zones. Much of the mica however is small, bent and ruled. We recommend that exploration assistance be denied.

INTRODUCTION

Location: The Long Branch mine is on the south slope of a low hill north of Long Branch half a mile south of Gribble Gap and about 2 miles southwest of Cullowhee, Jackson County, North Carolina (Cullowhee, N.C. Quad.,TVA 1:24,000). The mine can be reached from Cullowhee by driving 1.7 miles west of the Long Branch road. The mine is about 250 feet north of the road.

Examination: The examination of the Long Branch mine was made June 5, 1958 and lasted two hours; Mr. Roy Fouts and Bruce Morgan accompanied the Examiners.

History: The Long Branch mine was opened in 1894. It was worked intermittently for a number of years up to 1944 (Klepper, M.R. 1944, Long Branch Mica mine, U.S. Geol. Survey unpublished manuscript). Before the mine was abandoned in 1944 the lower or "A" adit was advanced about 12 feet beyond the March 2, 1944 heading shown on the Klepper-Heinrich-Pray maps. At present there

are no buildings or equipment on the property. Electric power is available and the Applicant used an electric pump to unwater the mine for examination.

GEOLOGY

Mining at the Long Branch mine has been mostly on a single irregular pegmatite described by Klepper (1944, Long Branch Mica Mine, U.S. Geol. Survey unpublished manuscript). In the 12 feet advance of the "A" adit the pegmatite widened to more than 10 feet. The pegmatite was followed in the drift and incline of adit "A" for about 165 feet. It is zoned and has a footwall zone of plagioclase, quartz and muscovite at least 3 to 4 feet thick. Mica occurs in books up to 4 to 5 inches. This is overlain by a massive quartz core also 3 to 4 feet thick and a hanging wall zone 1 to 2 feet thick with scattered muscovite up to 4 by 5 inches. Near the present face the hanging wall strikes N30°W and dips 80°SW. Although there is 10 to 20 percent muscovite in the footwall zone, much of this mica is small, bent, and ruled.

RECOMMENDATIONS

We recommend that exploration assistance be denied. The Long Branch pegmatite has mica in both footwall and hangingwall zones but much of the mica is small, bent, and ruled. Although attempts to develop the mine during the war were not profitable, it is possible that a limited production of strategic mica would be possible using better mining methods.

S. A. Feitler
Mining Engineer, USBM.

F. G. Lesure, Geologist, USGS

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IN REPLY REFER TO:

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

July 7, 1958
Re: DMEA 4997
Roy H. Fouts et al
Long Branch Mine
Jackson County, N. C.
$8,697 - 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 applicants requested assistance in furthering the exploration of a pegmatite from which strategic mica has been recovered. They intended to rehabilitate an old crosscut adit and incline from it and drive an additional 200 feet in 'new territory'.

The nature of the 200 feet of new work was to be decided if and when the extent of the old work had been determined.

The examiners report there is muscovite in zones on both sides of the pegmatite but it is small, bent and ruled. Attempts were made to mine mica during World War II but the projects were not profitable.

As there is no reason for thinking another attempt is justified, the examiners recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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

July 3, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 4997 (mica)

Applicant: Roy H. Fouts

Name and Location of Property: Long Branch Mine,
Jackson County, North Carolina

Date of Field Team Report: June 26, 1958

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: July 3, 1958

Field Team Recommendation: Recommend denial of the application.

Comments:

1. This mine has been worked intermittently for many years resulting in limited production of mica.

2. There is strategic mica visible up to 4 to 5 inches but it is mostly small, ruled, and bent.

3. Reserves of strategic mica are estimated to be small.

Recommendation:

I concur with the recommendation of the field team for denial of the application.

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W F Dietrich

W. F. Dietrich

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5/14	[illegible]	600
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"	[illegible]	110
"	[illegible]	100
		220

600

MAY 14 1958

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

Re: Docket No. DMEA-4997-Misc
Roy H. Fouts, et al.
Long Branch Mine
Jackson County, North Carolina

Dear Mr. Laurence:

We are inclined to deny the subject application but would appreciate having your comments on it before taking final action.

Copies of memoranda dated May 6 and 13, 1958, by Mr. T. H. Kiilsgaard, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed. There are also enclosed a copy of a report by Mr. M. R. Klepper, USGS, dated March 5, 1944, together with two maps, and a copy of the application for the use of the Field Team.

Please return the maps.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

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

W. P. Williams (WPW)
Member, Geological Survey

Enclosures 8

LGHouk:gad 5/13/58
Rewritten
FEJohnson:rsi 5/14/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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DMEA Form 7
(12-56)

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Date	Surname	Code
5/14	Houk	600
5/14	Selfridge	130
5/14	Smith	130
5/14	Williams	130
"	Johnson	110
"	Mittendorf	100
5/15	C	220
		600

600

MAY 14 1958

Long Branch Mine
c/o Mr. Roy H. Fouts
P. O. Box 314
Franklin, North Carolina

Re: Docket No. DMEA-4997-Mica
Roy H. Fouts, et al.
Long Branch Mine
Jackson County, North Carolina

Gentlemen:

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 comment.

The Regional Office may contact you if further information is desired.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

LGHouk:gad 5/13/58
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 13 1958
DATE

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

May 13, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4997 (mica)

Applicant: Roy H. Fouts, et al.

Name and Location of Property: Long Branch Mine, Jackson County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Mtls.: 5/2/58

Comments:

1. This is an old mine with workings consisting of adit, inclines, and some shaft work.

2. Applicants state that it is reported "mica in ore is very good."

3. Applicants proposal seems rather sketchy and they wish to drive 200 feet of drift in new territory.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain 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

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

OFFICIAL FILE COPY
IN REPLY REFER TO:
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Memorandum

May 6, 1958

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

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, DMEA Docket 4997 (Mica), Long Branch Mine, Jackson County, North Carolina.

The applicant proposes to rehabilitate part of the Long Branch mine by opening a lower adit and the inclined winze from the end of this adit, and by 200 feet of additional work from the end of this winze or adit. Cost of this estimated program is $8,697.00.

Our files indicate the Long Branch mine was examined on March 5, 1944, by M. R. Klepper, U. S. Geological Survey. Two copies of his report and one copy of his maps are enclosed. Klepper notes that this pegmatite had not been a profitable producer as of the date of his examination. His longitudinal Section A-A' also indicates that most of the pegmatite above the proposed drift level has been stoped. This would be particularly true if there was production from the caved, inclined shaft, reported to have been sunk 150 to 250 feet from near the portal of adit D. Assuming there was production from this inclined shaft, it would appear that almost all of the pegmatite to be explored between this shaft and the end of the incline from the A Adit has been stoped.

The mine is reported to be flooded and therefore would not be as accessible to examination as it was at the time of Klepper's visit. If the stoped area is as large as shown on Klepper's map, chances are that it will be difficult to dewater. In view of this condition and in view of the unlikelihood of there being any exploration target, it is probable that the application could be denied without a field examination. It is recommended, however, that the Field Team be asked for comments before denial is issued.

It is assumed that the Field Team has copies of Klepper's maps; hence, only one set is being submitted with this memorandum. This set is in poor condition, having been run off on a small machine, from folded maps, but is being submitted as is to save time. Should DMEA want better copies of these maps, I shall have ozalid copies of them prepared.

T. H. Kiilsgaard

T. H. Kiilsgaard

LONG BRANCH MICA MINE
Cullowhee Township, Jackson County, North Carolina

M. R. Klepper

March 5, 1944

Location:- The Long Branch mica mine is 5 miles airline S. 10° E. of Sylva, North Carolina. It may be reached by driving southeast from Sylva to Cullowhee on surfaced state highway No. 106, then west along the Long Branch dirt road for 1.2 miles. The mine is about 250 feet north of the road at this point.

The mine area was mapped by M. R. Klepper, E. Wm. Heinrich and L. C. Fray on March 2, 1944.

Ownership and History:- The mine is owned and operated by Mr. Dan Tompkins of Sylva. Mr. Tompkins has kindly furnished the following historical information:

1894: Mine opened up by Dr. W. G. Tompkins, owner, who sunk a shaft (probably easternmost shaft shown on projection A-A')

1907-10: Leased to Great Southern Mica Company of Alabama. (B. C. Grindstaff, operator) Great Southern Mica Co. drove adit "B", excavated the open pit and sunk an incline from the west end of the pit which is reported to have been at least 150 feet long. The large block of ground between this incline, Adit "B" and the inclined part of Adit "A" is believed to have been almost entirely stoped. (See projection

1912-15: Leased to R. U. Garrett and T. O. Wilson. Adit "A" was driven as far as the head of the incline. From this heading the drift was turned north along an "arm" of pegmatite. This drift is now filled and its length is unknown.

1941: Unnamed lessee drove adit "D".

August 1942 until the present: Mr. Dan Tompkins, owner, has operated the mine. During this period the inclined part of adit "A" has been driven and a hanging wall mica zone has been stoped above this incline for a length of 40 feet and to a reported average height of 15 feet. No reserve remains above this incline, for only a very thin pillar separated it from old workings above.

Geology:- Most of the workings at the Long Branch mica are believed to have explored a single irregular pegmatite. The pegmatite is well exposed

only in Adit "A". This adit was driven through wall rock to the pegmatite and then along the crescent-shaped hanging wall of the pegmatite. This hanging wall trends from N. 35° W. to N. 65° W. and dips between 50° and 70° SW. for most of the 150-foot length of drift and incline. At each end of the exposed pegmatite the hanging wall curves to a northeast trend and dips steeply NW. The footwall is exposed for only a short distance in the inclined part of Adit "A" and in the filled west heading of Adit "B". The thickness of the pegmatite varies from 4 feet to more than 12 feet. For most of the explored length it is more than 6 feet thick. If the positions of inaccessible workings in pegmatite have been described correctly, the top of the pegmatite will plunge to the west or northwest at a moderate angle.

The pegmatite has been intruded into partly granitized biotite gneiss and garnet-biotite gneiss. The attitude of the gneiss in the workings is highly variable, but determinations are too widely spaced to give a clear picture of structure. The foliation of gneiss exposed in a narrow drainage about 125 feet northeast of Adit "A" is relatively uniform, striking northeast and dipping moderately northwest. In some places the pegmatite is concordant with the structure of the gneiss; in others it is discordant.

Most of the pegmatite is a medium-grained aggregate of white plagioclase, quartz, and a little muscovite and flesh-colored microcline. Red garnet is a common constituent, pyrrhotite is not uncommon. Masses of quartz occur locally. Books or sheet mica occur sparingly near the footwall and hanging wall contacts of the pegmatite, and peripheral to some of the quartz masses, but no one which offers promise for profitable mining is apparent. Burr-rock, an intergrowth of small scrap-quality muscovite, with quartz and a little feldspar occurs locally at the hanging wall contact.

A pegmatite averaging about 15 inches in thickness is exposed in Adit "B". The trend of this pegmatite is similar to that of the main pegmatite. It pinches

out near the portal of the adit and the bottom appears to pitch about 40° W. This pegmatite is an intergrowth of kaolinized feldspar and a little quartz with a narrow discontinuous central seam of quartz and scrap mica.

Two pegmatites, each less than two feet in thickness, are exposed in Adit "D". One strikes northeast, the other northwest. Both contain only a small quantity of scrap mica.

Quality of Mica:- The mica recovered on the day of our examination is believed to be representative of that mined during the present operation. Most of this lot consisted of rum- and greenish-rum colored books from 2 to 6 inches in diameter. The books are somewhat warped, cracked, and ruled. A few are reeved or exhibit "A" structure. Parts of some books contain small black spots. It seems probable that the better books would yield 10 per cent of trimmed strategic mica and the poorer books a few per cent. The entire lot might yield about 5 per cent.

Production:- The following list of sales of strategic mica from the Long Branch mine has been attained from Colonial Mica Corporation.

1943	Total pounds	Total $ value
June	35.44	$177.20
July	53.31	266.55
August	133.02	659.73
September	41.37	206.85
October	103.24	516.20
November	106.24	531.20
December	68.56	342.80
	541.18	$2700.53

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Of this mica 62.3 per cent has been trimmed punch and 37.7 per cent has been pattern. What quality?

Mr. Tompkins states that sales of strategic mica during the period September 1942 to March 1944 totals slightly more than 1000 pounds valued at about $5,000. It appears therefore that the average weekly production of strategic mica has been about 13.3 pounds, currently valued at $80.00.

About 40 pounds of mine-run mica from which possibly 2 or 3 pounds of strategic mica could be trimmed were recovered on [illegible] inspection.

Cost of Operation:- According to Mr. Tompkins a mine crew averaging 4 men and a shop crew of one person have been employed continuously for 48 hours a week since August 1942. Colonial Mica Corporation-owned compressor, jackhammer, pump, and rail have been rented during the same period. Mining has been done in hard rock and dynamite has been required. The amount of timber used has been small. Weekly cost of operation must have averaged between $100 and $125. Total cost of the operation has probably exceeded $8,000. Figured very roughly from the size of the workings about 500 tons of rock have been mined during the present operation.

Mining has been rather slow, for the drift has been advanced at a gentle incline in order to remain below the old workings. Muck is hoisted from the heading to the level by means of a hand winch. The car is a non-dumping variety and muck is shoveled from it onto the dump, during which process the waste is culled for mica.

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Outlook:- No reserve of mica has been blocked out during the present operation. Mica has occurred sparingly along both walls of the pegmatite and peripheral to quartz masses, but no high concentration has been encountered. There is no reason to anticipate that the quantity of mica will increase as the inclined heading penetrates farther west, but cost of the operation will probably increase because a larger flow of water will be encountered and a longer inclined tram will be necessary.

The small pegmatites exposed in Adits "C" and "D" do not appear to warrant further prospecting.

Mr. Tompkins states that from the start the mine has been operated at a loss. The approximate calculations listed above corroborate this statement.

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

May 1, 1958

Mr. Roy H. Fouts
P. O. Box 314
Franklin, North Carolina

Subject: DMEA-4997

Dear Mr. Fouts:

Your application for exploration assistance, dated April 28, 1958 submitted to our office at Knoxville, Tennessee has been assigned Docket Number DMEA-4997 and referred to the Nonmetallic 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.