DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 5019

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- [ ] Withdrawn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
- [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

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

ORIGINAL FILE COPY
DMEA
RECEIVED MAY 16 1958

May 13, 1958

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Application from Hardy C. Cable, Hazelwood, N.C.
Shepherd Mine, Macon County, N. C.

Enclosed are three copies of an application received here today with a signed and notarized copy of the lease and four signed copies of the Consent to Lien and Subordination Agreement.

We are keeping the fourth copy for our files.

Robert A. Laurence,
Executive Officer, DMEA
Region V

Wm. A. Beck for V. J. Lynch, Member
Bureau of Mines,

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_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Macon, State of N.C., described as follows: 2/ Being a plot of land approx. 7 acres, belonging to Garland Shepard and Wife, Hazel Shepard, on Rabbit Creek, 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.)

None
None
None

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 May 7, 1958, and recorded in Book 9-6, Page 692, 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: None (State "None" or "See Annex No.____")

Dated this 10 day of May, 1958.

Garland Shepherd	[Seal]	Franklin NC R4	[Address]
Hazel Shepherd	[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

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Macon, State of N.C., described as follows: 2/
Being a plat of land approx. 7 acres belonging to husband Shepherd and wife Hazel Shepherd, on Rabbit Creek,
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.)

None
None
None

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 May 7, 1958 and recorded in Book J-6, Page 692, 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: None (State "None" or "See Annex No.____")

Dated this 10 day of May, 1958.

Garland Shepherd	[Seal]	Franklin NC R4	[Address]
Hazel Shepherd	[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

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Macon, State of N.C., described as follows: 2/
Being a plot of land approx. 7 acres, belonging to Garland Shepard and wife, Hazel Shepard, on Rabbit Creek,
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.)

None
None
None

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 May 7, 1958, and recorded in Book J-6, Page 692, 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: None (State "None" or "See Annex No.____")

Dated this 10 day of May, 1958.

Garland Shepherd	[Seal]	Franklin NC R 4	[Address]
Hazel Shepherd	[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

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

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Macon, State of N.C., described as follows: 2/
Being a plat of land approx. 7 acres, belonging to Garland Shepard and wife, Hazel Shepard, on Rabbit Creek,
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.)

None
None
None

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 May 7, 1958, and recorded in Book J-6, Page 692, 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: None (State "None" or "See Annex No.____")

Dated this 10 day of May, 1958

Garland Shepherd	[Seal]	Franklin NC 84	[Address]
Hazel Shepherd	[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]

Form MF–103
Revised Oct. 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)

Hardy C. Cable
Hazelwood, N.C.

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-5019

Date Received: 5-16-58

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

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

Estimated Cost of Project $ 5500 00

LOCATION OF PROPERTY

Name	County	State
Shepherd Mine	Macon	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.*

RECEIVED MAY 14 1958 U.S. Geological Survey Knoxville, Tenn.

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.

May 10 1958
Dated

Hardy C Cable
BY *(Signature)*

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.

* * * * *

INT.-DUP. SEC., WASH., D.C. 25960

1-a. The location of this property is as follows:
Leaving Franklin, N.C. on highway 23 + 441 - to Dillsboro approx. 2 miles to Rabbit Creek road. Follow Rabbit Creek road to the fourth bridge on hard toproad. Cross fourth bridge and turn left on gravel road about one mile, to Shepherd home, then go about one half mile on old road by foot to mine.
b. Shepherd Mine
c. Lessee
d. No Mortgages
2 a. There has been some old mining done, one shaft and one tunnel. Lots of good mica has been taken out, it has been said. All old works have fallen in.
b. I went in tunnel and sunk a shaft about 30 ft. and went in vein and took out between 6 and 800 lbs. of

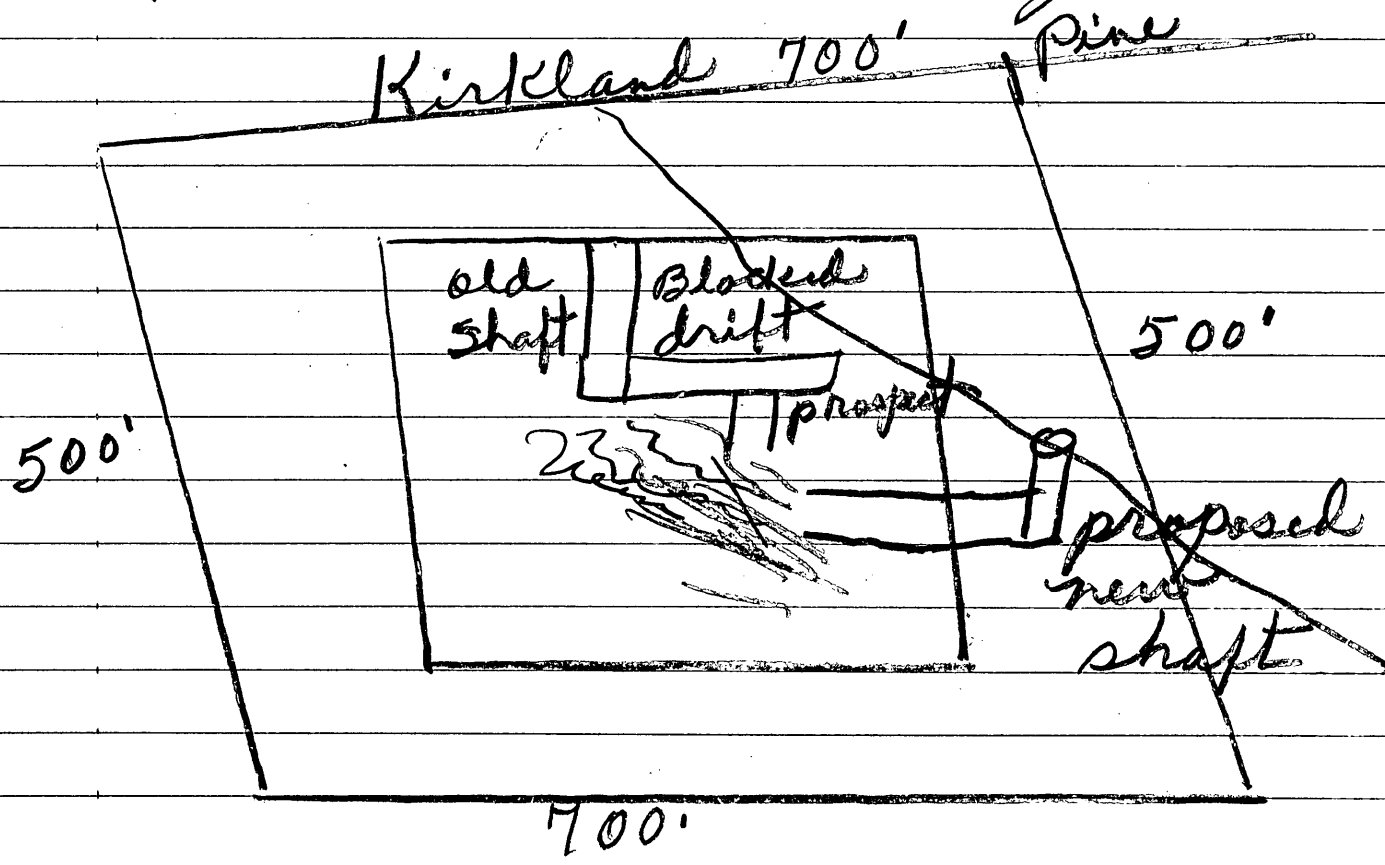
good black mica, but could not work it on account of water and condition of old workings.

3. a. H. C. Cable, Hazelwood, N.C. Refer to No. 1-a.

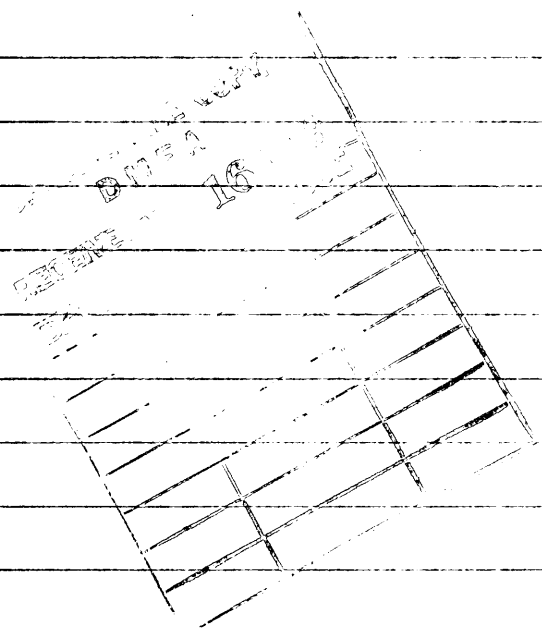
b. Employees in about one half mile of mine.

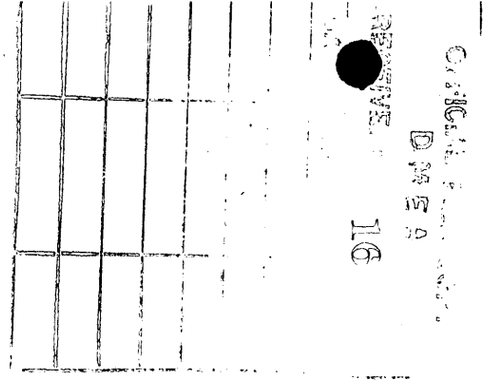
4. a. I want to sink a 50 ft. shaft, then drive from bottom of shaft approx. 100 ft. of drift or into the vein.

The shaft should be a 5 ft by 7 ft and tunnel 5 ft. by 7 ft.



5. I've had about eight years of mining experience. I have mica mined for 5 yrs. and had 3 yrs. with Fontana Mining Corporation.
6. I figure it will cost about $500.00 for project.
7. I will furnish my equipment and my time and my part of money if necessary. I have all the equipment necessary for operation.
8. There are no buildings there. I would like to have a rough building for tools shed and mica room. Estimated cost of about $250.00.





NORTH CAROLINA
MACON COUNTY

THIS LEASE AGREEMENT, Made and entered into this, the 3rd day of May, 1958, by and between GARLAND SHEPHERD and wife, HAZEL SHEPHERD, of Macon County, North Carolina, parties of the first part, hereinafter designated as lessors, and H. C. CABLE, party of the second part, hereinafter designated as lessee,

WITNESSETH:

That the said parties of the first part do hereby lease unto the party of the second part the mica and mica mining privileges upon a certain tract of land in Macon County, North Carolina, more particularly described as follows:

> BEGINNING at a pine, a corner between the land of parties of the first part and Kirkland, running thence with the line between parties of the first part and Kirkland, in a Southerly direction 700 feet, thence in an Easterly direction at right angles to the first line, 500 feet, then in a Northerly direction, parallel to the first line, 700 feet, thence in a Westerly direction 500 feet to the point of BEGINNING.

This lease shall be subject to the following terms and conditions:

1. Lessee agrees to pay lessors a royalty of twelve and one-half per cent of the gross selling price of all sheet mica recovered, and $2.00 per ton for all scrap mica recovered from said property, and said royalty payments shall be due and payable on the first day of each calendar month following the date of sale.

2. Lessee agrees to keep a record of all sales, which shall be open for inspection of lessors at all times.

3. The duration of this lease shall be two years from the date hereof, unless sooner terminated as hereinafter provided for. It is understood and agreed that should mining operations prove profitable, that lessee shall have the right at the expiration of the two years above mentioned to renew this lease on the same terms for an additional period of eight years.

4. As a part of this lease, lessors give the lessee a right-of-way to build a road from near the residence of parties of the first part to the above described land along the old abandoned road. Any work to be done by lessee shall be done in a careful manner to cause the least possible damage to property of lessors.

CLERK'S PROBATE

North Carolina, Macon County.

The foregoing certificate of Cecile Gibson

Notary Public Macon County, State of N.C.,

attested by his/her notarial seal, is adjudged to be correct. Let the instrument, with the certificates, be registered.

Witness my hand and official seal, this 7 day of May, 1958

Edith C. Byrd

Asst. CLERK SUPERIOR COURT.

5. Lessee shall have the right to use water upon said property in his mining operations, but no timber.

6. It is understood and agreed between the parties hereto that the lessee will begin mining operations within four months from the date hereof, and will continue the same for as long as such operations may prove profitable. If at any time the lessee shall discontinue operations for as long as ninety days consecutively, the lessors at their option may declare this lease terminated, and of no further force and effect, and should lessee fail to pay the royalties as above mentioned, lessors may declare this lease of no further force and effect.

7. Lessee agrees to do no bulldozing upon the property above leased without the permission of lessors.

8. Lessee shall not transfer or assign this lease without the written consent of lessors.

TO HAVE AND TO HOLD said mica and mining privileges as above set forth according to the terms hereof unto the said lessee to his own use and behoof forever.

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

Garland Shepherd (SEAL)

Hazel Shepherd (SEAL)

H C Cable (SEAL)

NORTH CAROLINA
MACON COUNTY

Personally appeared before me this day GARLAND SHEPHERD and wife, HAZEL SHEPHERD, and H. C. CABLE, who acknowledged the due execution of the foregoing instrument for the purposes therein expressed.

WITNESS my hand and Notarial Seal, this 7th day of May, 1958.

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

My Commission Expires: December 22, 1959

'iled for registration on the 7 day of May 1958, at 3:00 o'clock P M., and registered and verified in the office of the Register of Deeds for Macon County in Book No. 8-6, Page 692

This 7 day of May 1958

Register of Deeds for Macon County

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/15	Anderson	600
7/15	Houk	600
		110
		100
		220

600

July 15, 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-5019-Mica
Hardy C. Cable
Shepherd Mine
Macon County, North Carolina

Denial of application is recommended.

Mica: Green, bent, ruled, and locky. Only a small percent is of strategic quality.

Pegmatite: Deeply weathered, irregularly shaped, roughly concordant with deeply weathered mica schist country rock. At least 8 feet thick and composed of weathered medium-to-coarse-grained feldspar, quartz, and muscovite.

Old Workings: A shaft 60 to 80 feet deep, 110 feet of untimbered adit from which a 30 foot drift was driven at right angles to the northwest. A 28 foot winze from the adit at 100 feet from the portal.

Past Production: About 1000 pounds of mine-run mica reported to have been recovered from the winze.

Method of Exploring: Proposed by Applicant:
50 feet of shaft and 100 feet of drifts, for which he requests $5,500.00.

Comments: Occurrence of mica in different portions of the pegmatite ranges from none to sparse. No target can be outlined. No geological criteria exist that can justify an exploration project.

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 the application.

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

WCAnderson:rsi 7/15/58
Copy to: Admr. R. File
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/17	Anderson	600
7/18	Houk	600
7/18	Martin	130
7/18	Lamb	130
7/18	Nelson	130
"	Johnson	110
"	Mittendorf	100
		220

600

JUL 18 1958

Mr. Hardy C. Cable

Hazelwood, North Carolina

Re: Docket No. DMEA-5019-Mica
Hardy C. Cable
Shepherd Mine
Macon County, North Carolina

Dear Mr. Cable:

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,

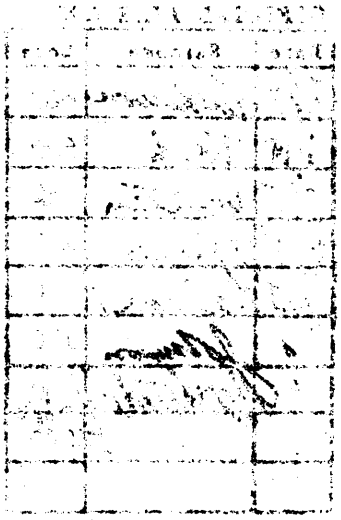
C. O. Mittendorf (fw)

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



IN REPLY REFER TO:

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

DMEA
JUL 17 1958

		CODE
7/17	N. g.	225
		600

July 16, 1958
Re: DMEA 5019
Hardy C. Cable
Shepherd Mine,
Macon County, N.C.
$5,500 - 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 a pegmatite in which considerable exploratory work and some mining have been done.

The work resulted in the production of some muscovite, but the mica seen in place is small and of poor quality. In addition, the pegmatite appears to be small and perhaps barrel shaped. As the chances of discovering significant reserves of strategic mica are believed to be poor, the examiners recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 15 1958

DATE	INITIALS	CODE
7/15	C	220
7/15	Hmk	600

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

July 14, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Acting Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 5019 (mica)

Applicant: Hardy C. Cable

Name and Location of Property: Shepherd Mine
Macon County, North Carolina

Date of Field Team Report: July 2, 1958

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: July 10, 1958

Field Team Recommendation: Recommend denial of application

Comments;

1. This is an old mine from which applicant claims 1000 pounds of mine-run mica has been recovered during recent work.

2. Mica seen in place is small and of poor quality.

3. Geologic conditions indicate that the chance of discovering significant reserves of mica is poor.

Recommendation:

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

Donald R Irving
D. R. Irving

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

July 2, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 7 1958

DATE	INITIALS	CODE
7/7	C	220
7/11	JB	130
7/11	C	220
		600

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Report - DMEA-5019(mica)
Hardy C. Cable,
Shepherd Mine, Macon County, N.C.

Enclosed are three copies of the subject examination report with copies of the map attached.

The Field Team is in agreement with the Examiners 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

Reviewed by
DMEA OPERATING COMMITTEE
7-11-58
(date)

On-Site Exam. Rpt.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OFFICIAL FILE COPY
DMEA
RECEIVED
DATE | | CODE
7/11 | 243 | 130
220

FIELD EXAMINATION REPORT, REGIONV

On

DMEA-5019 (mica) SHEPHERD MINE
Macon County, North Carolina

F. G. Lesure, Geologist
Geological Survey

S. A. Feitler, Mining Engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
7-11-58
(date)

July 2, 1958

FIELD EXAMINATION REPORT
ON

DMEA-5019 (mica) SHEPHERD MINE
Macon County, North Carolina

Applicant: Hardy C. Cable, Hazelwood, North Carolina

SUMMARY

The Shepherd mine consists of an old shaft from which an unknown amount of level work was done (now all caved) a shallow recent shaft, and a long drift with a shallow winze. An irregular pegmatite body trending east-west and plunging east is exposed in the adit and winze. About 1000 pounds of mine-run mica is reported to have been recovered from the winze. Mica seen in place is green, bent, ruled and locky. Only a small percentage is of strategic quality. We recommend that exploration assistance be denied.

INTRODUCTION

Location: The Shepherd mine is on the east side of a low saddle west of the head of Elmore Branch and 0.45 mile east of Ridge Crest Church, about 3 1/2 miles northeast of Franklin, Macon County, North Carolina (Corbin Knob quad. TVA 1:24,000). The mine can be reached from Franklin by driving northeast on U.S. Highway 23 to the intersection with the Rabbit Creek road, turn right on Rabbit Creek road and go 1.4 miles to the road up Elmore Branch. Turn left onto this road and go 0.65 miles to the Shepherd farm house. The mine is 0.25 miles northwest of the house and can be reached on an old trail by 4-wheel-drive vehicles.

Examination: The examination of the Shepherd mine was made June 6, 1958 and lasted two hours. Messrs. H. C. Cable, Marion Gray, and Roy Fouts accompanied the examiners.

History: According to the Applicants, the Shepherd mine was opened about 1910. A shaft was sunk 60 to 80 feet and some level

work done. Recently an untimbered adit was driven to the southwest about 110 feet in weathered schist to intersect the old workings. A drift to the northwest was driven 30 feet around the old works and some stoping was done near the end of the drift. A winze was then sunk 28 feet below the adit level 100 feet in from the mouth of the adit. The winze intersected old works at about 15 feet below the drift level. The Applicants reported that they recovered 700 pounds of mine-run mica from the winze and that someone else recovered an additional 300 pounds.

A shallow shaft 22 feet deep has also been sunk during the past few years on the hill near the site of the original shaft. A short caved adit near the original shaft may have intersected that shaft, but is now caved.

Production data for the early work are not available.

GEOLOGY

The short drift and winze of the Shepherd mine are in a deeply weathered irregularly shaped pegmatite body that trends roughly east-west, dips north, and plunges east. The pegmatite is roughly concordant with the deeply weathered mica schist country rock. In the winze the pegmatite is at least 8 feet thick and is composed of weathered medium-to coarse-grained feldspar, quartz, and muscovite. A quartz core (?) up to 4 feet thick at the west corner of the winze strikes N55°E and dips 80°SE. The hanging wall of the pegmatite strikes E-W and dips 40°N. Muscovite in books up to 3 x 4 inches is scattered throughout the body. The

mica is green, bent, ruled, and locky. A few percent of small size strategic muscovite can be trimmed from the better books.

In the drift to the west around the north side of the old shaft area the pegmatite is composed of medium-grained deeply weathered feldspar, quartz, and muscovite. The hanging wall strikes N75°W and dips 60°NE. No footwall is exposed. Several irregular schist horses trending east-west and dipping north are present near the end of the drift. Muscovite up to 2 x 3 inches is scattered throughout the pegmatite. Some stoping has been done above and below the drift level and old works partly caved and backfilled are present along the east side of the drift.

Weathered irregular pegmatite lenses are exposed in the walls of the shallow shaft north of the old caved shaft. The new shaft is not timbered and has no ladder. No mica was seen.

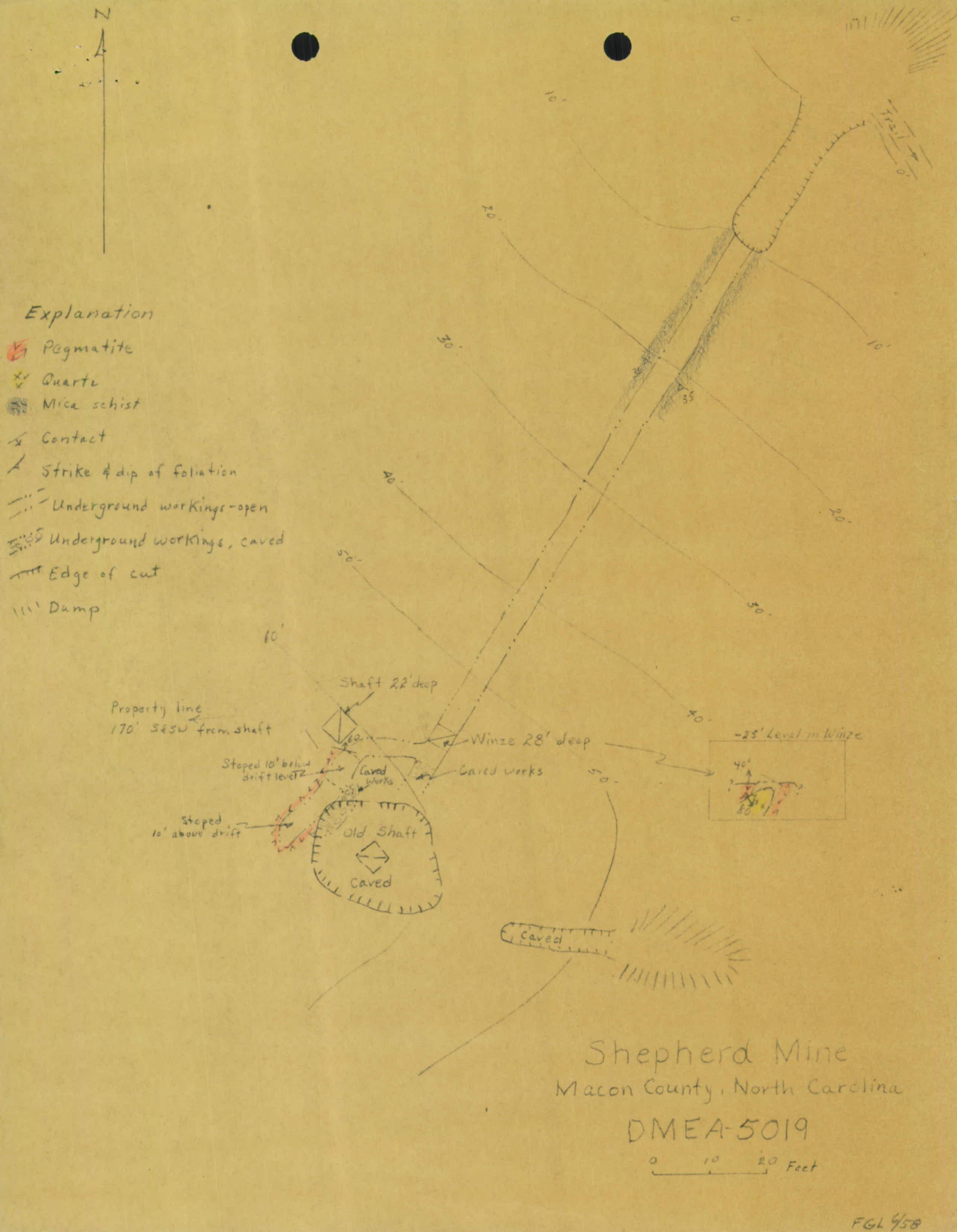
RECOMMENDATIONS

We recommend that exploration assistance be denied. Although about 1000 pounds of mine-run muscovite is reported to have been recovered from the winze, the mica in place is small and of poor quality. The lack of extensive surface workings and the short level workings suggest the pegmatite may be a steeply plunging barrel-shaped body. The chances of discovering significant reserves of strategic muscovite in this pegmatite are believed to be poor.

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

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

z


N
Explanation
Pegmatite
Quartz
Mica schist
Contact
Strike & dip of foliation
Underground workings-open
Underground workings, caved
Edge of cut
Dump
Trail
60'
Shaft 22' deep
Property line
170' S85W from shaft
Winze 28' deep
Stoped 10' below drift level
Caved works
Caved works
Stoped 10' above drift
Old Shaft
Caved
Caved
-25' Level in Winze
40°
80°
Shepherd Mine
Macon County, North Carolina
DMEA-5019
0 10 20 Feet

FGL 4/58

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 7 1958

DATE	INITIALS	

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/5	Hoop	600
6/6	Selbridge	130
6/6	Lamb	130
6/4	Kilsgaard	130
"	Symon	110
"	Hartwig	100
6/9	C	220
		600

600

JUN 3

Mr. Hardy C. Cable

Hazelwood, North Carolina

Re: Docket No. DMEA-5019-Mica
Hardy C. Cable
Shepherd Mine
Macon County, North Carolina

Dear Mr. Cable:

The application for assistance in exploring your property, under the captioned docket number, has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration. It has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee.

The Regional Office will contact you in regard to your project if additional information is required. Any assistance you may give the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

LGHouk:gad 6/4/58
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
6/6	Houk	600
6/6	GCS	130
"	[illegible]	110
"	[illegible]	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-5019-Mica
Hardy C. Cable
Shepherd Mine
Macon County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda dated May 19 and 21, 1958, by Mr. Donald R. Irving, USBM, and Mr. N. E. Nelson, USGS, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

You will note that in our letter to the Applicant we made no reference to a field examination as you may not find time to schedule one if needed.

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:gad 6/4/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Enclosures 5

8623

IN REPLY REFER TO:

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

DMEA
RECEIVED MAY 22 1958
5/22 C 220 600

May 21, 1958
Re: DMEA 5019
Hardy C. Cable
Shepherd Mine
Macon County, N. C.
$5,500 - 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 a vein from which he claims to have taken 6 to 800 pounds of block mica. The vein (Pegmatite) has been explored by a shaft and drift now caved and a 30-foot winze from which the mica was taken.

The proposed work consists of a 50-foot shaft and 100 feet of drifting, probably at a point down hill from the old work.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 20 1958

DATE	INIT.	
5/21	J.g.	223
		600

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

May 19, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Acting Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-5019 (mica)

Applicant: Hardy C. Cable

Name and Location of Property: Shepherd Mine, Macon County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 5/16/58

Comments:

1. This is an old mine from which applicant states "lots of good grade mica has been taken."

2. Applicant states he sunk a 30 foot shaft from an old tunnel and recovered from 6 to 800 pounds of block mica.

3. Exploration proposed by applicants is consistent with local practices and in line with unit-cost estimates for other DMEA projects.

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.

Donald R. Irving

Donald R. Irving

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

May 16, 1958

Mr. Hardy C. Cable
Hazelwood
North Carolina

Subject: DMEA-5019

Dear Mr. Cable:

Your application for exploration assistance, dated May 10, 1958 submitted to our office at Knoxville, Tennessee has been assigned Docket Number DMEA-5019 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.