DOCKET COPY
Surname:

Hopkins
Houk
Kiilsgaard
Gethon
Selfridge
Fergusson

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

APR 20 1956

Mr. F. O. Phillips

Spruce Pine, North Carolina

Re: Docket No. DMEA-4163-Mica
F. O. Phillips
Field Prospect
Avery County, North Carolina

Dear Mr. Phillips:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,
C. O. Mittenzwei

Administrator

JHopkins:ms 4/18/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File

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

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Denial of Exploration Assistance and Summary Report

By: James Hopkins

1. Docket No. DMEA-4163-Mica

Property: Field Prospect owned by applicant located 3.4 airline miles NE of Spruce Pine, North Carolina

Applicant: F. O. Phillips
Spruce Pine, North Carolina

Application: MF-103 dated February 6, 1956

Work proposed:

Bulldoze trench 200'x12'x12	$ 400.00
Sink 50 feet shaft @ $50.00	2500.00
Drift 60 feet @ $35.00	2100.00
Estimated Total Cost	$5000.00

No Contract: Application denied.

2. Comments:

Mica: None

Pegmatite: Small, kaolinized (3'x1') feldspathic pegmatite. No outcrops. Float is biotite gneiss and white quartz.

Workings: Trench 30'-10'x10'x4".

Because the pegmatite is barren the Field Team recommends denial. The Nonmetallic Minerals Division and the Commodity Divisions of the Geological Survey and Bureau of Mines concur in the recommendation.

James Hopkins
Nonmetallic Minerals Division

Hopkins
Houk

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Denial of Exploration Assistance and Summary Report

By: James Hopkins

1. Docket No. DMEA-4163-Mica
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   Applicant: F. O. Phillips
   Spruce Pine, North Carolina
   Application: MF-103 dated February 6, 1956
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James Hopkins
Nonmetallic Minerals Division

JHopkins:ms 4/18/56
Copy to: Mr. Houk
Mr. Hopkins
Admr. R. File

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

RECEIVED
APR 1 0 1956

April 18, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4163 (mica)

Applicant: F. O. Phillips

Name and Location of Property: Field Prospect

Date of Field Team Report: 4/2/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 4/12/56

Field Team Recommendation: Recommend denial of the application.

Comments:

1. No muscovite was seen in the small exposure of pegmatite.

2. Possibility for discovery of a worthwhile deposit of strategic mica is considered poor.

Recommendation: I concur with the recommendation of the field team.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
APR 10 1956

April 10, 1956

Re: DMEA 4163
F. O. Phillips
Field prospect
Avery Co., N. C.
$5,000.00 - 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 new pegmatite showing in a trench made by bulldozing.

No mica was seen by the examiners in the 3' by 1' exposure of pegmatite effected by the trenching. The pegmatite consists of kaolinized, feldspathic material devoid of mica.

The examiners and Field Team recommend denial of the application.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM ~~WASHINGTON 25, D. C.~~ POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
APR 5 - 1956

April 3, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Examination Report - DMEA-4163, Field Prospect-Mica, Avery County, North Carolina - F. O. Phillips, Applicant

There are enclosed four copies of the subject examination report.

The Field Team concurs with the Examiners that this application be denied.

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
4-9-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
APR 5 - 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, FIELD TEAM
REGION V

On

DMEA-4163, FIELD PROSPECT (mica)
Avery County, N. C.

By

S. C. Bergman and A. R. Taylor, Geologists
Geological Survey

and

A. L. Peyton, Mining Engineer
Bureau of Mines

April 2, 1956

Reviewed by
DMEA OPERATING COMMITTEE
4-9-56
(date)

FIELD EXAMINATION REPORT

On

DMEA-4163, Field Prospect (mica)
Avery County, N. C.

RECEIVED
APR 5 - 1956

Applicant: F. O. Phillips, Spruce Pine, North Carolina

Summary

No muscovite exists in a 3 ft x 1 ft exposure of pegmatite. No exploration is warranted. It is recommended that the application be denied.

General

The prospect is on an unwooded, gently sloping hillside about 4,800 ft or .8 airline miles north of Hunter Chapel on the northern slope of Spruce Pine Mountain. It is about 3.4 airline miles NE of Spruce Pine, N. C. on the Spruce Pine, N. C. quadrangle TVA, 1/24,000.

It was inspected on March 14, 1956 in the company of Mr. F. O. Phillips, and again after bulldozing, on March 28, 1956. Mr. W. A. Beck, U. S. Bureau of Mines, accompanied the examiners.

The prospect consists of a small (3' x 1') kaolinized, feldspathic pegmatite, barren of mica, and exposed in a shallow (4') trench. The trench is 30 ft in length on the upslope side, about 10 ft in length on the downslope side and is 10 ft in width.

Float consists of biotite gneiss and white quartz. No outcrops are nearby.

It is recommended that the application be denied.

April 2, 1956.

S. C. Bergman and A. R. Taylor, Geologists
Geological Survey

A. L. Peyton, Mining Engineer
Bureau of Mines

g

DOCKET COPY
Surname:
Hopkins
Houk
Martin
Hafferman

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

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

FEB 20 1956

Re: Docket No. DMEA-4163-Mica
F. O. Phillips
Field Prospect
Avery 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 February 9 and 13, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (SHB)

Approved:

/s/ Robert W. Geehan (SHB)
Member, Bureau of Mines

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

Enclosures: 4

JHopkins:ms 2/16/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

RCL

DOCKET COPY
Surname:

Houk
Geehan
Martin
Williams
Johnson

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

600

FEB 20 1956

Mr. F. O. Phillips

Spruce Pine, North Carolina

Re: Docket No. DMEA-4163-Mica
F. O. Phillips
Field Prospect
Avery County, North Carolina

Dear Mr. Phillips:

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

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

Sincerely yours,

C. O. Mittendorf (Kiw)

Administrator

JHopkins:ms 2/16/56
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

R.C.L.

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

RECEIVED
FEB 15 1956

RECEIVED
FEB 15 1956

February 13, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4163 (mica)

Applicant: F. O. Phillips

Name and Location of Property: Field Prospect, Avery Co., N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 2/9/56

Comments:

1. Applicant states that this is a new prospect.

2. No data available in this office on this property.

3. It appears a field examination is necessary to determine the feasibility of a project.

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

IN REPLY REFER TO:

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

RECEIVED
FEB 13 1956

February 9, 1956

Re: DMEA 4163
F. O. Phillips
Field prospect
Avery Co., N. C.
$5,000.00 - 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 Government participation in a program of bulldozing, shaft sinking and drifting at an estimated total cost of $5,000.00.

The pegmatite to be explored is said to be a new prospect but not necessarily a new discovery. No information concerning it is given.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

February 9, 1956
Subject: DMEA-4163
Re: Exploration Assistance
Field Prospect

Mr. F. O. Phillips
Spruce Pine, North Carolina

My dear Mr. Phillips:

The receipt of your application dated February 6, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4163 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
FEB - 8 1956

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-4163
Metal or Mineral Mica
Date Received 2-8-56
Estimated Cost $5,000.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: F. O. Phillips
Spruce Pine, N. C.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Beginning on a Red Oak tree marked with an "X" at the East end of the field and runs East 1000' to a stake; thence South 1000' to a stake; thence West 1000' to a stake; thence North 1000' to the beginning. This property 5 miles East of Spruce Pine on Highway #19.

(*b*) State any mine name by which the property is known. Field Prospect

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See attached sheet.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Mica

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. See sheet.

(*c*) The work will start within 30 days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. Now on file with DMEA.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: See sheet.

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

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*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes. Will furnish required 25%.

(*b*) How do you propose to furnish your share of the costs?

[x] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

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.

Dated 2-6-56, 195...

F. O. Phillips
(Applicant)

By F O Phillips

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

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FEB - 8 1956

MF-103 (continuation sheet)

4. (a) No previous operations at this prospect.

(b) No past production; new prospect.

(c) From vein material showing, we believe that strategic quality mica may be found by exploration work.

(d) Project is accessible to roads and shipping.

(e) Material, supplies and equipment are available. Power is within 1/4 mile.

5. (b) We propose to bulldoze a trench 200' long; 12' wide and 12' deep to expose pegmatite and best locate shaft; lower 5'x7' shaft 50 feet deep; then drift 60' with vein.

6. Estimate of costs:

40 hours Dozing @ $10.00 per hr.	$ 400;00
50' shaft @ $50.00 per ft.	2500.00
60' drift @ $35.00 per ft.	2100.00
Total estimated cost of project	$ 5000.00

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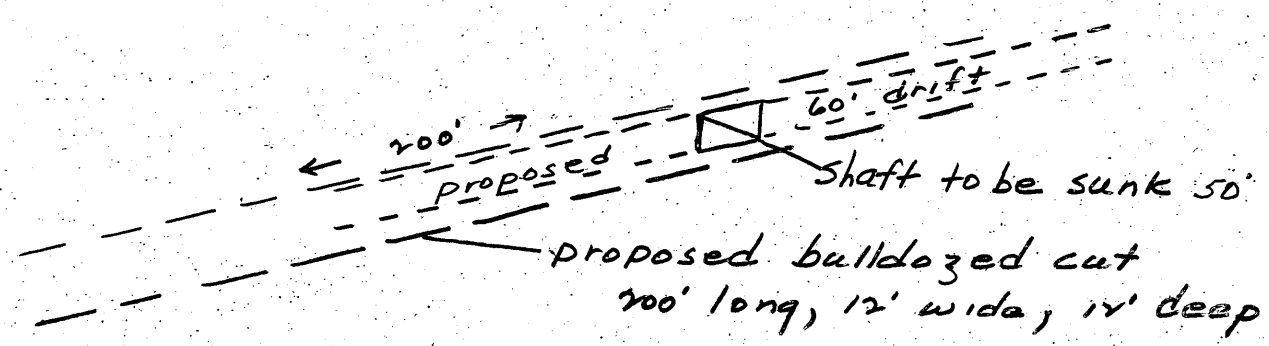
FEB - 3 1966

FIELD PROSPECT

Avery County
N. C.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1201 N. DIVISION STREET
SPOKANE 2, WASHINGTON

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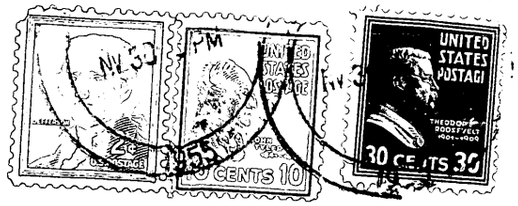
VIA AIR MAIL
REPLY BY AIR MAIL



Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D.C.