600

JAN 1 9 1955

Messrs. R. W. Love, Ira Ward and
Fanley Love
Spruce Pine, North Carolina

Re: Docket No. [illegible]-3573 - Mica
R. W. Love, Ira Ward and
Fanley Love
Spencer Mine
Shelby County, North Carolina

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington relating to the above-named 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 by your proposed program 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,

Administrator

JHopkins:ad 1/17/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Killagnard, 5222
Mr. Dietrich, 3061
Mr. Houk

January 11, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report.

By: James Hopkins

1. Docket No. DMEA-3573 - Mica
Property: Spencer Mine
Stokes County, North Carolina

Applicants: R. W. Love, Ira Ward and Fenley Love
Spruce Pine, North Carolina

Application: Form MF-103 received November 18, 1954.
Work proposed:

100 feet of tunneling and shafting @ $35.00/ft.	$3,500.00
60 feet of drifting @ $35.00/ft.	2,100.00
Total estimated cost	$5,600.00

No contract: Application denied.

2. Comments:

In this general area several rich conformable pipe-like pegmatite sills have produced mica of strategic grade, only one of which has extended to depth.

The openings on the property consist of two opencuts with a 70 foot incline driven from one. One cut produced $9,000.00 worth of mica, while none was obtained from the incline.

Rocks exposed in the cuts and incline consist of gneissic granite, thin bands of mica and hornblende schist in the walls adjacent to the pegmatite, and pegmatite. The pegmatites are composed of quartz, perthite, plagioclase, muscovite and sulphides. Very little mica is exposed.

From a study of all available data it appears that several rich pods of mica-bearing pegmatite occur in the gneissic granite at various "levels." None found to date have any lateral or vertical extent.

Recommendations: The examiners and the field team recommend that the application be denied, because the probabilities for the discovery of a deposit are poor.

The Nonmetallic Minerals Division and the commodity men of the Bureau of Mines and Geological Survey concur in the denial.

JHopkins:ad 1/11/56
Copy to: Admr. R. File
Mr. Houk

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

Defense Minerals
RECEIVED
JAN 14 1955

January 13, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3573 (mica)

Applicant: Love, Ward, and Fenley

Name and Location of Property: Spencer Mine
Stokes County, North Carolina

Date of Field Team Report: December 22, 1954

Date Rec'd. by Br. of Ceramic & Fertilizer Mtls.: January 7, 1955

Field Team Recommendation:

1. Denial of application.

Comments:

1. Mica which was exposed was of poor quality.
2. Geological factors show that this deposit is unlikely to produce any sizable quantities of strategic mica.

Recommendation:

I concur in the field team's recommendation to deny this application.

Signed

W. F. Dietrich

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 4 1955

January 4, 1955

Re: DMEA-3573
Love, Ward & Love
(Spencer Mine)
Stokes Co., N. C.
$5,600 - Mica

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial

The deposits in the Spencer mine area are described as limited both on strike length and in continuity downdip.

A 70-foot incline, though entirely in pegmatite, failed to find any mica. Present exposures indicate small amounts of poor quality mica, but most of the ground is barren.

I concur with the Field Team's conclusions and recommend this application be denied. A significant discovery is unlikely to be made by further exploration on the applicant's property.

E. L. Newcomb

ELNewcomb:hlm
G-1/4/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061 Interior

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Lands and Mineral Administration
RECEIVED
DEC 27 1954

December 22, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII - Knoxville, Tenn.

Subject: Field Examination Report, DMEA-3573 (mica) Spencer Mine, Love, Ward & Fenley, applicants. Stokes Co., N. C.

Enclosed are four copies of the subject examination report.

We agree with the recommendation for denial of the application.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/sm
cc:
Beck
Shirley
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION BY FIELD TEAM, REGION VII

On

DMEA-3573, SPENCER MINE
(mica) Stokes County, N. C.

BY

K. H. Teague and D. H. Ames, Geologists
U. S. Geological Survey

and

L. E. Shirley, Mining Engineer
U. S. Bureau of Mines

December 14, 1954

FIELD EXAMINATION REPORT
On
DMEA- 3573 (mica) SPENCER MINE

Applicants: R. W. Love, Ira Ward, and Fenley Love, Spruce Pine, N. C.

In this general area several rich conformable pipe-like pegmatites sills have produced mica of strategic grade, only one of which has extended to depth. Recently the applicants produced about $9,000 worth of mica from a nearby "shoot," All deposits worked in the general area have had limited strike and dip extent; therefore, the probabilities for the discovery of a deposit are poor. The examiners are of the opinion that the application should be denied.

The property was examined on December 14, 1954. Messrs. R. W. Love and Ira Ward accompanied the examiners on the inspection which required three hours.

The Spencer Mine is 2.2 miles west-southwest of Sandy Ridge, Stokes County, North Carolina. It is about 500 feet southwest of the Hawkins Mine. This is not the Spencer Mine described on P. 169 of U.S.G.S. Proff. Paper 248-C, Part 3. Access is good at all times.

All openings at this place are relatively recent. They consist of two open cuts with a 70-foot incline having been driven from the southeastern cut in a N. 40° W. direction. The southeastern cut is in pegmatite and gneissic granite and is 30 feet long, 20 feet wide and 12 feet deep. Approximately $9,000 worth of mica was produced from this cut and sold in the block. No mica was obtained from the 70-foot incline although it is in pegmatite over its entire length.

The northwest cut is 50 feet long, 20 feet wide, and has a maximum depth of 10 feet. About $700 worth of block mica was obtained in making this cut. Some pegmatite is exposed, but most of the rock is gneisic granite and is barren of mica. It appears that this mica bearing streak is thin and discontinuous. It is from the northwest cut that the applicants propose to sink the incline.

Rock in this general area all trend N. 60° - 80° E. and dip about 20° N. W. Rocks exposed in the cuts and incline consist of gneissic granite, thin bands of mica and hornblende schist in the hanging wall adjacent to the pegmatite, and pegmatite. All exposed rocks are conformable to the foliation of the schist. The pegmatites are composed of quartz, perthite, plagioclase, muscovite and sulphides.

Very little mica is now exposed. That observed in place is of poor quality, although mica of strategic grade has been recovered.

From a study of all available data it appears that several rich pods of mica-bearing pegmatite occur in the gneissic granite at various "levels". None found to date have had lateral or vertical extent. Furthermore, any pods encountered during exploration would be worked out quickly, leaving no reserves. The examiners are of the opinion that a deposit which has produced the quantity of mica as this one and still will not support an operation has little merit for exploration. Therefore, we recommend that the application be denied.

December 14, 1954.

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

L. E. Shirley, Mining Engineer
U. S. Bureau of Mines

DEC - 8 1954

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

Subject: Docket No. DMEA-1573 - Mica
M. W. Love, Ira Ward and
Fenley Love
Spencer Mine
Stokes 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 from the Geological Survey, dated November 26, 1954, and from the Bureau of Mines, dated November 22, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures 4

JHopkins:ad 12/3/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

600

DEC - 8 1954

Messrs. R. W. Love, Ira Ward and
Fenlay Love
Spruce Pine, North Carolina

Re: Docket No. DMEA-3573 - Mica
R. W. Love, Ira Ward and
Fenlay Love
Spencer Mine
Stokes County, North Carolina

Gentlemen:

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 VII, 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 that you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins:sd 12/3/54
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region VII
Mr. Killegsard, 5222
Mr. Dietrich, 3061
Mr. Houk

ROOM 13 POST OFFICE BLDG
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
DEC - 2 1954

November 29, 1954

Memorandum

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

From: Executive Officer, DMEA, Region VII

Subject: Docket No. DMEA-3573, Spencer Mine, Stokes County, North Carolina.

We have been advised that the address of Mr. and Mrs. Spencer who signed the Owner's Consent to Lien on the subject application is Route 2, Walnut Cove, North Carolina.

Robert A. Laurence

WAB/mg
cc
Beck
Lynch
Files
Operating Committee

IN REPLY REFER TO:

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

DEPARTMENT
Defense Mine
RE
NOV 30 1954

November 26, 1954

Re: DMEA-3573
Love & Ward
(Spencer Mine)
Stokes Co., N. C.
$5,600 - Mica

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The proposed work involves driving a 100 feet tunnel and then 60 feet of crosscutting and/or drifting.

There is very little data in the application, but it seems reasonable to assume the project is aimed at testing the pegmatite beneath the bottom of the old Spencer shaft.

We do not have any data in our files on this property.

Although this application is very inadequate, there is nothing to be gained by writing the applicant for more information.

I suggest the proposal be reviewed in the field and an examination be made if they believe it is justified.

E. L. Newcomb

ELNewcomb:hlm
G-11/24/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 75 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

November 24, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII - Knoxville

Subject: DMEA-3573 (mica) Love, Ward & Love. Spencer Mine, Stokes County, N. C.

Transmitted are the original and two copies of supplemental data and new Owner's Consent to Lien on the subject application. Please refer to our memo of November 16, 1954.

Robert A. Laurence

WAR/zm
cc:
Beck
Lynch
Files

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

RECEIVED
NOV 23 1954

November 22, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3573 (mica)

Applicant: R. W. and Fenley Love, and Ira Ward

Name and Location of Property: Spencer Mine
Stokes County, North Carolina

Date Application Rec'd. by Ceramic & Fertilizer Mtls. Br.: 11/18/54

Comments:

1. Proposed exploration consists of a 100-foot adit and 60-foot drift.

2. Expenditures are estimated to total $5,600.

3. It is difficult to determine from the application if the project is justified and if the above plan is the best method for exploring this mine.

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.

Signed

W. F. Dietrich