May 18, 1955

Memorandum

To: The Files

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report
Docket No. BML-3771 - Mica
C. M. Shirey
Shirey Property
Clay County, Alabama

Denial of application is recommended

Mica - Stained and heavy stained, ruby colored, wavy. All is non-strategic. Non very abundant.

Pegmatite - Two parallel pegmatites separated by 5 feet of wall rock. Hanging wall pegmatite 3 feet thick, footwall pegmatite about 6 feet thick, exposed for a distance along strike for 200 feet. Conformable to foliation of mica-garnet-graphite schist wall rock.

Old workings - Open cut 200 feet long, 30 feet wide, with variable depth up to 20 feet; a 30 foot incline and 60 feet of drift.

Method of exploring - The applicant proposes open cut excavation to cost between $2,500 and $3,000.

Economics - World War II production not known. Recent production - 20 pounds of mica representing 25 man-days of work. Mica of non-strategic grade. The BMA and the commodity members of the Geological Survey and the Bureau of Mines concur in the Field Team recommendation to deny the application.

Walter C. Anderson
Nonmetallic Minerals Division

WCAnderson:pk 8/8/55
Copy to: Admr. R. File
~~[illegible]~~
Mr. Houk
Mr. Anderson

MAY 31 1955

Mr. C. M. Shirey
R. F. D. 3
Lineville, Alabama

Re: Docket No. DMEA-3771 - Mica
C. M. Shirey
C. M. Shirey, Owner
Clay County, Alabama

Dear Mr. Shirey:

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 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,

C. O. Mittendorf

Administrator

WAnderson:gmd 5/18/55
cpy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Killaguard, 5222
Mr. Dietrich, 3061
Mr. Hook

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

Defense Minerals Administration
RECEIVED

May 26, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting for W. F. Dietrich, Chief,
Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3771 (mica)

Applicant: C. M. Shirey

Name and Location of Property: Shirey Prospect
Clay County, Alabama

Date of Field Team Report: 5-13-55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 5-23-55

Field Team Recommendation:

1. Denial.

Comments:

1. The major portion of the mica found in the exposures will not meet stockpile specifications.

Recommendation:

I concur with the field team recommendation to deny subject application.

Signed

Donald R. Irving

IN REPLY REFER TO:

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

May 20, 1955

Re: DMEA-3771
C. M. Shirey
Shirey property
Lineville, Alabama
Mica

Memorandum

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

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

Subject: Review of Field Team report

The data supplied by the examiners support the recommendation of denial of the Field Team.

N. E. Nelson

NENelson:hlm
G-5/20/55

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
WASHINGTON 25, D. C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

Mineral Administration
RECEIVED
MAY 20 1955

May 13, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region 5, Knoxville

Subject: Field Examination report on - DMEA-3771, C. M. Shirey, applicant. Lineville, Alabama (mica)

Transmitted are four copies of the subject examination report. The Field Team concurs with the Examiners that this application should be denied.

Acting Executive Officer
DMEA Field Team, Region 5

K. H. Teague, Geologist
U. S. Geological Survey

KH.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT
BY
FIELD TEAM, REGION V

On

DMEA-3771, SHIREY PROPERTY (mica)
Clay County, Alabama

BY

Kefton H. Teague, Geologist
U. S. G. S.

WM. A. Beck, Mining Engineer
U. S. B. M.

May 28, 1955

FIELD EXAMINATION REPORT
On
DMEA-3771, SHIREY PROPERTY (mica)

Applicant: C. M. Shirey, Route # 3 - Lineville, Alabama

Mica is not abundant at this prospect. Much of it is Non-strategic quality and possible reserves are small. The examiners recommend that the application be denied.

The property was examined April 28, 1955. Mr. C. M. Shirey accompanied the examiners on the examination which required two hours.

The Shirey Property is located in SE 1/4 of NE 1/4 of Section 31 and SW 1/4 of NW 1/4 of Section 32, all in township 19 south, Range 8 East Clay County, Alabama. It is about one-quarter mile east of the Ashland-Pyriton road. Access is good at all times.

This property is reported to have been worked by the Bob Lee Mining Co., during World War II. A 30-foot incline and 60 feet of drift are supposed to have been completed at that time. Recent stripping has filled the incline. At present there is an open cut 200 feet long, 30 feet wide, with a variable depth up to 20 feet.

The cut exposes a north-south trending pegmatite which dips 35° E. It is conformable to the foliation of the mica-garnet-graphite schist wall rock. Hornblende schist is also present in the immediate vicinity. Two parallel pegmatites are exposed. The hanging wall pegmatite is about 3-feet thick. It is separated from the footwall pegmatite by 5 feet of wall rock. The footwall pegmatite is about 6 feet thick.

Both pegmatites have a streaked appearance, the "streaks" being caused by numerous bands of quartz, some of which are as much as 8 inches in thickness. Mica is not abundant, and that present is adjacent to the quartz streaks. All of the feldspar is kaolinized and its identity cannot be determined.

As previously mentioned mica is sparse. That present is hard, generally clear, wavy, "A", and ruby-colored. Recently the applicant has mined and prepared about 20 pounds of mica for sale. This represents about 25 man-days of work. As the mica has not been sold, its value is unknown; however, it appeared that almost all of it will be graded as stained or heavy stained.

The examiners are of the opinion that little of the mica present at this property is of strategic grade and that reserves are small. Therefore, we recommend that the application be denied.

April 28, 1955.

K. H. Teague, Geologist
U. S. G. S.

Wm. A. Beck, Mining Engineer
U. S. B. M.

660

MAY - 2 1955

Mr. C. M. Shirey
R. F. D. 3
Limesville, Alabama

Re: Docket No. DMEA-3771 - Mica
C. M. Shirey
C. M. Shirey, Owner
Clay County, Alabama

Dear Mr. Shirey:

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.

We note in your application that there is a mortgage on your property. Please be advised that if the mortgage is not retired it will be necessary that the mortgagor sign a subordination agreement to give priority to the Government's claims on payments from production resulting from exploration work.

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

WCAnderson:gad 4/29/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

MAY - 2 1955

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

Subject: Docket No. DMEA-3771 - Mica
C. M. Shirey
C. M. Shirey, Owner
Clay County, Alabama

Dear Mr. Lawrence:

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

Copies of memoranda from E. L. Newcomb of the Geological Survey, dated April 25, 1955, and from Donald R. Irving of the Bureau of Mines, dated April 26, 1955, are enclosed for your information.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Approved:

M. E. Volin

Member, Bureau of Mines

/s/ R. D. Trace

Member, Geological Survey

Enclosures 4

WCAnderson:gad 4/29/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

April 26, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting for
Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3771 (mica)

Applicant: C. M. Shirey

Name and Location of Property: C. M. Shirey
Clay County, Alabama

Date Application Rec'd. by Br. of Ceram. & Fert. Mat.: April 14, 1955

Comments:

1. The application, as submitted by the applicant, is inadequate to determine the location of the property, geologic features, proposed exploration, or amount desired to conduct exploration.

2. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

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

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
APR 26 1955

April 25, 1955

Re: DMEA-3771
C. M. Shirey
(Shirey Prospect)
Clay Co., Alabama
$3,000 - Mica

Memorandum

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

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

Subject: Review of application

The application is inadequate for a proper geological evaluation. We do not have any information on this prospect.

I recommend the applicant be requested to submit a map of his property showing workings and nature of the pegmatite deposits.

A Field Team examination cannot be justified on the basis of the present application data.

E. L. Newcomb

ELNewcomb:hlm
G-4/25/55

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