Memorandum June 28, 1955

For: The files

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report.
Docket No. GMEA-3794-Mica
Dave Buchanan, Art Buchanan and
Irvin Burleson
Will Evans Prospect
Jackson County, North Carolina

Denial of application is recommended.

Mica - Mica scraps on old dumps at adjoining mine indicate mica is of non-strategic quality.

Pegmatite - No pegmatite exposed on the property. No information available as to thickness, length, composition, or mica content. Dumps indicate pegmatite shows little promise. Outcrops occur on adjoining property over which there is ownership dispute.

Old Workings - None on property. Adjoining property has 25-foot incline, which is inaccessible.

Method of exploring - The applicant proposes a 60-foot shaft and 80 feet of drifts.

Recommendation - Denial based on the following:

1. Pegmatite shows little promise
2. Mica of non-strategic quality
3. Ownership dispute over the property.

The GMEA, Geological Survey and Bureau of Mines agree with the Field Team to deny the application

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

RECEIVED
JUN 28 1955

June 28, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic & Fertilizer Materials

Subject: DMEA - 3794 (mica)

Applicant: D. Buchanan, A. Buchanan, G. Burleson

Name and Location of Property: Will Owens Prospect
Jackson County, North Carolina

Date of Field Team Report: May 30, 1955

Date Rec'd by Br. of Ceramic & Fertilizer Materials: June 17, 1955

Field Team Recommendation: Recommend denial

Comments:

1. Exposures at this mine are poor and give little evidence that a worthwhile deposit of strategic mica exists.

2. Ownership of subject property is not clear.

Recommendation:

I concur with field team's recommendation for denial of this project.

W. F. Dietrich

600

JUN 30 1955

Mr. Dave Buchanan

Spruce Pine, North Carolina

Re: Docket No. DMEA-3734 - Mica
Dave Buchanan, Art Buchanan
and Green Burleson
Will Gamma Prospect
Mitchell County, North Carolina

Dear Mr. Buchanan:

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

WCAnderson:pk 6/20/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Dietrich, 3061
Mr. Killingard, 5222
Mr. Hank

IN REPLY REFER TO:

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

RECEIVED
JUN 20 1955

June 17, 1955

Re: DMEA-3794
Buchanan et al.
Will Greene Prospect
Jackson Co., N. C.
Mica

Memorandum

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

From: R. B. Trace, U. S. Geological Survey

Subject: Review of Field Team report

The Field Team recommends, and I concur, that the application be denied.

There is no evidence to indicate the presence of strategic mica.

R. B. Trace

RBTrace:hlm
G-6/17/55

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 25 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

June 10, 1955

RECEIVED
JUN 13 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region 5, Knoxville, Tennessee

Subject: Field Examination Report - DMEA-3794 (mica)
Buchanan, Buchanan and Burleson-Will Owen Property
Jackson County, N. C.

Enclosed are 4 copies of the subject report.

We agree with the recommendations for denial.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch, Member
Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
JUN 13 1955

# DEFENSE MINERALS EXPLORATION ADMINISTRATION

## EXAMINATION BY FIELD TEAM, REGION V

On

## DMEA-3794 (mica) WILL OWENS PROSPECT
Jackson County, N. C.

BY

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

May 30, 1955

FIELD EXAMINATION REPORT
On

RECEIVED
JUN 13 1955

DMEA-3794 (mica) WILL OWENS PROSPECT

Applicants: Dave Buchanan, Art Buchanan and Grien Burleson, Spruce Pine, N. C.

Little information is available on this deposit. No pegmatite is exposed on the property on which exploration is requested; property ownership is in dispute, and mica scraps around the old mine are of non-strategic quality. Denial of the application is recommended.

This deposit was examined on May 30, 1955. Mr. J. Dave Buchanan accompanied the examiners on the inspection which required three hours.

The Will Owens Prospect is about 1 1/4 miles northeast of Wolf Mountain near old Tennessee Gap School, about 18 miles east of Tuckasegee, Jackson County, North Carolina. A good all-weather road passes the property making it readily accessible.

No work has been done on the property on which the application applies. On the adjoining property a 25-foot incline, located 40 feet west of the property line, has been sunk; however, it is partly filled with soil and no pegmatite is exposed. Two additional dumps suggest that other openings have been made, but they have been filled during road construction.

It appears that a lenticular pegmatite occurs at this place. It is probably conformable to the granite gneiss wall rock which trends about N. 70° W. and dips about 40° N. E. No information is available as to the thickness of the pegmatite, its composition, or mica content. From a study of the dumps, it appears that the pegmatite shows little promise. Furthermore, as the outcrop is on the adjoining property and there is ownership dispute on the property involved in the application, the examiners recommend the application be denied. Actually the examiners were ordered to "get-off" the property by three of the disputing parties during the examination. This we did when we had finished.

Examined : May 30, 1955.

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

600

MAY 1 1 1955

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

Subject: Docket No. DMEA-3794 - Miss Dave Buchanan, Art Buchanan and Green Burleson Will Owens Prospect Mitchell County, North Carolina

Dear Mr. Lawrence:

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

Copies of memoranda from K. L. Wanscob of the Geological Survey, dated May 2, 1955, and from W. F. Dietrich of the Bureau of Mines, dated May 9, 1955, are enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

/s/ C. W. Johnson
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 4

WCAnderson:gad 5/10/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

600

MAY 1 1 1955

Mr. Dave Buchanan

Spruce Pine, North Carolina

Re: Docket No. DMEA-3794 - Mica
Dave Buchanan, Art Buchanan
and Green Burleson
Will Creme Prospect
Mitchell County, North Carolina

Dear Mr. Buchanan:

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

Sincerely yours,

C. O. Mittendorf

Administrator

WGindersen:gad 5/10/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Hook

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 10 1955

May 9, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3794 (mica)

Applicant: Buchanan and Burleson

Name and Location of Property: Will Owens Prospect
Mitchell County, North Carolina

Date Application Rec'd. by Branch of Ceramic & Fert. Mtls.: 4-29-55

Comments:

1. The application, as submitted, is inadequate to determine geologic features and feasibility of the proposed site for a shaft.

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.

Signed

W. F. Dietrich

IN REPLY REFER TO:

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

May 2, 1955

Re: DMEA-3794
Buchanan & Burleson
(Will Owens Prospect)
Mitchell Co., N. C.
$5,920 - Mica

Memorandum

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

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

Subject: Review of application

The operator requests assistance to sink a 60 foot shaft and drive 80 feet of drift. He reports the last activity on the property was in 1916, but the amount of production is unknown.

We do not have any information on the property in our files.

Although considerable areas of pegmatite may be exposed on the property, it may be necessary to do preliminary trenching before the applicant's proposal can be justified.

I recommend the application be referred to the Field Team for their review and a possible on-site examination.

E. L. Newcomb

ELNewcomb:hlm
G-5/2/55

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