MAR 2 9 1955

600

Miss Marie Vaughn

Forsyth, Georgia

Re: Docket No. DMA-3631 - Mica
and Uranium
Marie Vaughn and Jennie Vaughn
Marie Vaughn Mine
Monroe County, Georgia

Dear Miss Vaughn:

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 and uranium 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:gad 3/25/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kilagaard, 5222
Mr. Dietrich, 3061
Mr. Heuk

March 29, 1955

Memorandum

To: The Files

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report

Docket No. DMEA-3631 - Mica-Uranium
Marie and Jennie Vaughn
Vaughn Prospects
Monroe County, Georgia

Denial of application is recommended.

Mica - Nearly all of the mica occurring in three differnet pegmatites on this property is of non-strategic quality. It is less than 2 inches in diameter, ruby colored, wavy, cracked, bent, slightly mineral stained, ruled and soft. The Geological Survey and the Bureau of Mines have no information on this property.

Pegmatites - Three pegmatites

1. Lenticular in form, 125 feet long with a maximum thickness of 25 feet, tapering toward both ends. It is zoned and emplaced in a biotite granite gneiss.
2. Only information given is that itisaa fine-grained pegmatite containing mica less than 2 inches in diameter.
3. No information except that the mica is "bad", small, bent and cracked.

Old workings - The only workings is at Location No. 1. A shaft was sunk to a depth of 32 feet. No record of mica production. Recently bulldozing at this same location yielded 500 pounds of poor quality mica.

Method of exploring - Neither the applicant nor the field have proposed a method of exploring.

Economics - There has been no previous production of strategic quality mica, not is there sufficient geological data avialable to evaluate the economics of an operation. There are sufficiant exposures to indicate that no worthwhile deposit of strategic mica occurrs at any of the prospects. On this basis the Field Team recommends denial of the application. The Nonmetallic Minerals Division concurs. The Commodity Members from the Geological Survey and the Bureau of Mines concur.

WCAnderson:pk 8/12/55

Copy to: Admr. R. File
Mr. Houk
Mr. Anderson

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

March 23, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3631 (mica)

Applicant: Marie and Jennie Vaughn

Name and Location of Property: Vaughn Prospect
Monroe County, Georgia

Date of Field Team Report: March 8, 1955

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: March 15, 1955

Field Team Recommendation:

1. Denial of application.

Comments:

1. Three prospects were examined.
2. No worthwhile deposit appears to exist.

Recommendation:

I concur with the field team 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.

March 16, 1955

Re: DMEA-3.31
M. Vaughn & J. Vaughn
(Vaughn Prospects)
Monroe Co., Georgia
Mica-Uranium

Memorandum

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

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

Subject: Review of Field Team examination report

The Field Team has recommended this application be denied.

Three prospects were examined, and although a limited amount of stripping has been done recently there is no evidence that a significant amount of strategic mica would be found by further exploration.

I concur with the field examiners' conclusions and recommend the application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-3/16/55

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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 - 1955

March 8, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Reports:
DMEA-3631, Marie & Jennie Vaughn (mica-uranium) Georgia
DMEA-3677, Bill Buchanan & Lewis Grindstaff(mica) N. C.
DMEA-3696, Confederate States Mining Co. (mica-beryl) Ga.

Enclosed are four copies of each of the subject examination reports.

We agree with the field examiners' recommendations for denial of all three applications.

These examinations were made without field referral, when our field examiners were in the area on other inspections.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V.

V. J. Lynch,
U. S. Bureau of Mines
Member, DMEA Field Team.

RAL/im
cc:
Lynch
Shirley
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration
RECEIVED
MAR 9 - 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

ON

DMEA-3631, VAUGHN PROSPECTS (mica-uranium)
Monroe County, Georgia

By

Wm. A. Beck, Sup. Mining Engineer
U. S. Bureau of Mines

and

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

February 24, 1955

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 - 1955

FIELD EXAMINATION REPORT
ON
DMEA-3631, VAUGHN PROSPECTS (mica-uranium)

Applicants: Marie and Jennie Vaughn, Forsyth, Georgia

Three different pegmatites were examined on this property. None contains worthwhile strategic mica or uranium minerals. The application should be denied.

The deposit was examined on February 24, 1955. Miss Marie Vaughn accompanied the examiners on the inspection which required two hours.

The Vaughn prospects are 8 miles N. 16° W. of Forsyth, Monroe County, Georgia, on the soil road to High Falls, one-half mile southeast of Bloodworth School, between Towalgia and Little Towaliga rivers. Access is good at all times.

The three prospects examined are described as follows:

(1) This prospect is about 0.4 mile west of the Vaughn home. The pegmatite is 125 feet long, has a maximum thickness of 25 feet-tapering toward both ends, worked in one shaft to a depth of 32 feet, trends N. 65° W., and dips steeply to the northeast. The pegmatite is lenticular in plan and is composed of a central quartz core, graphic granite, perthite, biotite, and muscovite. The pegmatite is emplaced in a biotite granite gneiss.

About 40 percent of the mica is muscovite. It is ruby colored, wavey, cracked, bent, slightly mineral stained, ruled, and soft. Very little is of strategic grade. No work is recommended.

(2) A small knob-like hill a quarter of a mile S. 40° E. of the home has been stripped recently. This is a fine-grained pegmatite which contains mica in sizes less than two inches in diameter. No work is recommeded.

(3) Another pegmatite which is 0.6 mile S. 10° E. of the home trends N. 26° W. The mica is "A", small, bent and cracked. No work is recommended.

At location No. 1, considerable recent bulldozing has resulted in the recovery of about 500 lbs. of poor quality mica. No mica has been produced from the other two prospects.

There is no evidence that a worthwhile deposit of strategic mica occurs at any of the prospects. Denial is recommended.

Wm. A. Buck, Mining Engineer
U. S. Bureau of Mines

K. H. Teague, Geologist
U. S. Bureau of Mines

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 26 1955

January 26, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3631 (mica)

Applicant: Marie Vaughn

Name and Location of Property: Marie Vaughn Mine
Monroe County, Georgia

Date Application Rec'd. by Br. of Ceramic & Fertilizer Mtls.: 1/7/55

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.

Sign

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 201 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 21 1955

January 20, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3631, Application of Marie and Jennie Vaughn, Forsyth, Georgia (mica-uranium).

Transmitted are the following on the subject application which was sent your office January 5.

Original and five copies of MF-201, with date of contract left blank.

Original and two copies of supplemental information on application.

Original and two tracings of a sketch of the property.

We have retained one copy of the supplemental information for attachment to our copy of the application together with a tracing of the sketch of the property.

Wm. A. Beck

WAB/sm
cc:
Beck
Shirley
Files

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 21 1955

Forsyth, Georgia
January 19, 1955

United States,
Department of the Interior,
Defense Minerals Exploration Administration,
Post Office Building,
Knoxville 2, Tenn.

Re: Application of Marie and Jennie C. Waughn.
Docket Number DMEA-3631
Non-metallic Minerals Division.

Gentlemen:

Enclosed find four copies of amendment to the above application furnishing information asked for in letter of January 5, 1955 from Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII as follows:

5-a. Completed on original
5-b. Bulldoze land down to mica and explore for uranium.
5-c. Completed on original.
5-d. Completed on original.

6-a.	None.	
6-b.	Four men, common laborers @ 75¢ hour, $150.00 week, annual cost	$7800.00
6-c.	Electric pump and drill, est. cost	600.00
6-d.	Rent of bulldozer, $15.00 per hour, will need 16 hours week, annual rent	12480.00
6-e.	None.	
6-f.	None	
6-g.	Repairs and maintenance of operation ept. Annual estimated cost	500.00
	Analytical work can probably be done by purchasers of anything mined.	
	Accounting done by me without cost.	
	Workmens compensation	234.00
	No employers liability insurance	
	Payroll taxes, Social Security	156.00
6-h.	Estimated at $50 week, annual cost	2600.00
	Total annual cost for exploration	$24,370.00

Sketch of property and where mine is now located and been worked for mica enclosed.

I trust this is the information called for and I also enclose the subordination agreement from Monroe County Bank.

Yours truly,

Marie Waughn

Marie Waughn