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JUL 12 1954

Messrs. Jack and Hayden Keller

Pinecla, North Carolina

Re: Docket No. DMEA-3315 - Mica
Joe Young Prospect
Yancey County, North Carolina

Gentlemen:

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

LGHouk:gad 6/28/54
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

July 1, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Denial of exploration assistance

Docket No. DMEA-3315 - Mica
Jack and Hayden Keller
Joe Young Prospect
Yancey County, North Carolina

The application was received April 19, 1954, requesting $8,300.00 to sink an incline 40 feet and drift 60 feet on Prospect No. 1, and on Prospect No. 2 to drift 60 feet on the pegmatite then crosscut 60 feet.

The Field Team recommends denial of the application because most of the mica is small and badly curved and not of strategic grade. The Nonmetallic Minerals Division concurs with the Field Team that the application should be denied. The Bureau of Mines and the Geological Survey also concur.

LGHouk:gad 7/1/54

Copy to: Admr. R. File
Mr. Houk

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

July 1, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3315 (mica)

Applicant: Joe and Hayden Keller

Name and Location of Property: Joe Young Prospect
Yancey County, North Carolina

Date of Field Team's Report: June 9, 1954

Date Rec'd. by Ceramic & Fertilizer Materials Br.: June 18, 1954

Field Team's Recommendation:

1. Denial of application.

Comments:

1. Most of the mica is small and not of strategic quality.

2. Past work did not produce any sizable quantities of strategic mica.

Recommendation:

I concur in the field team's recommendation to deny subject application on the basis that the mica is non-strategic and little possibility of developing into a worthwhile deposit.

Signed

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

June 17, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3315 (Mica).

To: L. G. Heuk, Defense Minerals Exploration Administration
From: D. A. Brobst, U. S. Geological Survey
Applicant: Jack and Hayden Keller, Pineola, N. C.
Name of property: Joe Young Prospect
Location of property: About 2.4 airline miles S. 27° W. of Celo, Yancey Co., N. C., on a N. flowing tributary of White Oak Creek.
Date of field team report: June 4, 1954
Authorship of field team report: K. N. Teague and D. H. Ames, USGS, and L. E. Shirley, USBM.
Field team's recommendation: Denial.

Comments: None

ACTION RECOMMENDED: Follow field team's recommendation.

D. A. Brobst

Copy to: DMEA (3)

CM 1 4 1954

June 2, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Field Examination Report, DMEA-3315 (mica) Joe Young Prospect
Yancey County, N. C., Jack and Hughes Collins,
Pinevale, N. C.

Enclosed are 4 copies of a field examination report on the Joe Young Prospect.

We agree with the examiners that this application should be denied.

Robert A. Lawrence

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

RAL/mm

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

ON

DMEA-3315, JOE YOUNG PROSPECT
(mica)
Yancey County, N. C.

By

Kefton H. Teague and Dewey H. Amos, Geologists
U. S. Geological Survey

and

Lawrence E. Shifley, Mining Engineer
U. S. Bureau of Mines

June 9, 1954

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

FIELD EXAMINATION REPORT
ON
DMEA-3315, JOE YOUNG PROSPECT (mica)

Applicants: Jack Keller and Hayden Keller, Pineola, North Carolina

Most of the mica at this prospect is small and badly curved and not of strategic grade under the present government purchasing program. It is recommended that the request for exploration assistance be denied.

The Joe Young Prospect is about 2.4 airline miles S. 27° W. of Celo, Yancey County, North Carolina on a north-flowing tributary of White Oak Creek.

The deposit was examined on June 4, 1954. Messrs. Jack Keller, and Sam Phillips accompanied the examiners on the inspection which required one and one-half hours.

The property is about on-half mile from an all-weather gravel road. Access is via trail and an old logging road. No surface facilities are present on the property. A limited amount of work has been done on two pegmatites which are about 500 feet apart.

The easternmost pegmatite has been worked by a - 25° incline which is about 25 feet deep and which trends S. 25° W. This pegmatite is 2½ - 4 feet thick and is conformable to the enclosing country rock, biotite gneiss. The body strikes N-S and dips about 60° W. It shows no apparent zoning and consists in order of abundance of plagioclase, quartz, perthite, muscovite, garnet and tourmaline.

The mica occurs scattered throughout the pegmatite. There is no evidence suggesting the possibility of "shoots."

The western pegmatite has been explored by a test pit about 5' x 5' x 10' deep. The pegmatite is 1½-2½ foot thick and is concordant to the enclosing rock, mica schist. The body strikes N. 80° W. and dips 60° SW. It has no apparent zoning and consists of plagioclase, quartz, perthite and muscovite.

The mica in both pegmatites is similar. It is ruby, small, badly curved, cracked and in part mineral-stained. Most is not of strategic quality because of the curved character. Because of this the examiners are of the opinion that the application should be denied.

Past work at the prospect was done during World War II by Avery Wyatt. Only 2 pounds of trimmed mica, worth $10 was sold to Colonial from this work.

June 4, 1954.

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

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

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MAY 14 1954

Messrs. Jack and Hayden Keller

Pineola, North Carolina

Re: Docket No. DMEA-3315 - Miss
Joe Young Prospect
Ramsey 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. Laurenzo, 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

WCAnderson:gad 5/13/54
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

MAY - 4 1954

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

Subject: Docket No. DMEA-3315 - Miss Jack Keller and Hayden Keller
Joe Young Prospect
Yancey 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 April 22, 1954, and from the Bureau of Mines, dated May 7, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Philip W. Guild

Member, Geological Survey

Enclosures 4

WCAnderson:gad 5/13/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

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

MAY 7 - 1954

May 7, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3315

Applicant: Jack and Hayden Keller

Name and Location of Property: Joe Young Prospect
Yancey County, North Carolina

Date Application Rec'd. by Ceramic & Fertilizer Materials Br.: 4/21/54

Comments:

1. No data available in this office on subject mine.

2. Costs are estimated on the unit-cost basis and in accordance with local practices.

3. Total estimated costs - $8,300.

Recommendation:

It is suggested the field team visit this mine to ascertain if an exploration project is justified.

Signed

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

April 22, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3315 (mica)

To: L. G. Hewk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant's name and address: Jack and Hayden Keller, Pineola, N. C.
Name of property: Joe Young Prospect.
Location of property: 2½ miles NW of Boudge, Yancey County, N. C.
Summary of applicant's proposal:

Prospect 1 - 35° incline 40'; drift 60'
Prospect 2 - drift in peg outcrop 60', crosscut 60'
$8,300

Sources of information on applicant's property:

No report at hand.
Colonial data indicate:

Green - small	1.50	
large 3/4	1.50	
	2 lbs.	- $10

Avery Wyatt

Comments:

1. It appears that all this work will be in peg.
2. The deposits are not worked out. That's for sure!
3. What is the evidence for anticipating the presence of mica sheets, if any?

RECOMMENDATION:

Refer to Field Team for examination if required.

D. M. Larrabee

cc: DMEA 3 ✓