May 20, 1955

Memorandum

To: The Files

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report

Docket No. DMEA-3765 - Mica
B. M. Holland
J. R. McMahan Property
Jackson County, North Carolina

Denial of this application is recommended.

Two locations.

Mica: At Location No. 1 - ruby colored, small in size, "flat-A", curved and mineral stained.

At Location No. 2 - small amount, badly curved and ruled.

Pegmatite: At Location No. 1 - Zoned, 0-6 feet thick and conformable to country rock, mica schist, exposed in cut for a distance of 110 feet.

At Location No. 2 - Unzoned, 2½ feet to 15 feet thick conformable to enclosing mica schist, exposed in open cut for a distance of 170 feet.

Method of exploring - Applicant proposes to bulldoze shaft site, sink 80 feet of shaft and drive 80 feet of drifts at a total cost of $7,195.00.

Economics: Since only a very small reserve of strategic mica is present, the chances for a paying project are remote. The DMEA and the commodity members from the Geological Survey and the Bureau of Mines concur in field team recommendation to deny the application.

WCAnderson:gad 8/4/55
Copy to: Admr. R. File
Mr. Houk
Mr. Anderson

Walter C. Anderson
Nonmetallic Minerals Division

MAY 2 7 1955

Mr. R. M. Holland

Franklin, North Carolina

Re: Docket No. DMEA-3765 - Mica
R. M. Holland
J. R. Mathews Property
Jackson County, North Carolina

Dear Mr. Holland:

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:gmd 5/20/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

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

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-3765 (mica)

Applicant: B. M. Holland

Name and Location of Property: J. R. McMahan Property
Jackson County, North Carolina

Date of Field Team Report: 5-20-55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 5-25-55

Field Team Recommendation:

1. Denial.

Comments:

1. Only a small reserve of strategic mica appears to be present.

2. Examination did not reveal any likely area for exploration.

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-3705
S. M. Holland
McMahan Property
Dillsboro, Jackson
County, N. C.
Mica

Memorandum

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

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

Subject: Review of Field Team report

The findings of the examiners are in keeping with their conclusions and justify the recommendation of denial of the application 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

C
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

May 16, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Reports (mica)

Transmitted are four copies each of the following reports:

DMEA-3756, Brown Property, Troup County, Georgia

DMEA-3765, J. R. McMahan Property, Jackson County, North Carolina

The Field Team concurs with the examiners recommendation that both applications be denied.

Wm. A. Beck, Acting
Executive Officer
DMEA Region V

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT
BY FIELD TEAM, Region V

On

DMEA-3765, J. R. MCMAHAN PROPERTY
(mica)
Jackson County, N. C.

BY

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

and

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

May 2, 1955

FIELD EXAMINATION REPORT
ON
DMEA-3765, J. R. McMAHAN PROPERTY(mica)

Applicant: B. M. Holland, Franklin, North Carolina.

Some exploration has been done at two locations on the property. Mica is sparse at both places and most is badly curved and in part stained; thus, it is recommended that exploration assistance be denied.

The McMahan Property is 5.3 airline miles S. 16° W. of Dillsboro, Jackson County, North Carolina on the spur of a ridge 1200 feet north of the New Savannah church. Access is available by about 1/2 miles of jeep road.

The examination was made on May 2, 1955. About one and one-half hours were spent on the property. Mr. B. M. Holland accompanied the examiners.

Location No. 1

A side-hill cut about 110 feet long has exposed a pegmatite 0-6 feet thick along its strike. The body strikes N. 5° W. and is vertical. It is conformable to the enclosing country rock, mica schist, and pinches completely out at the north end of the cut. Zoning consists of a quartz core up to 2 1/2 feet thick enclosed by a zone of semi-weathered plagioclase, quartz, perthite, muscovite and biotite.

The mica is ruby-colored, small in size, and "flat-A". Much is curved and some contains biotite inclusions and other mineral staining. Very little is of strategic quality.

Location No. 2 (about 200 ft. north of location No. 1)

A pegmatite has been exposed for about 170 feet along its strike by an open cut and two adits at this location. Its attitude is variable striking No 20-70° E., and dipping 50-85° NW. In general, it is conformable to the enclosing mica schist but with minor local exceptions. Its thickness averages about 2 1/2 feet, except near the southeast most exposure where it reaches a maximum of 15 feet. No zoning is present other than scattered quartz pods which are near the center of the body. The pegmatite is considerably broken by several post-pegmatite faults of small displacements.

The only mica present is adjacent to the scattered quartz pods. It is all badly curved and ruled and not of strategic quality.

The examiners are of the opinion that only a very small reserve of strategic mica is present at the two locations; thus denial is recommended.

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

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

May 2, 1955.

600

MAY 2 1955

Mr. E. M. Holland

Franklin, North Carolina

Re: Docket No. DMEA-3765 - Mica
E. M. Holland
J. R. McMahan Property
Jackson County, North Carolina

Dear Mr. Holland:

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.

We note that you as an individual are the applicant, and that you and Mr. Donald Holland are parties to the lease. Please either make Mr. Donald Holland your partner in the application or have him assign his interest in the lease to you, and forward a copy of the assignment to this office.

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. Dietrich, 3061
Mr. Killegaard, 5222
Mr. Beck

600

MAY 2 1955

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

Subject: Docket No. DMEA-3765 - Mica
B. M. Holland
J. R. Mathews Property
Jackson 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 T. H. Kiilsgaard of the Geological Survey, dated April 18, 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. Volk
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-3765 (mica)

Applicant: B. M. Holland

Name and Location of Property: B. M. Holland
Jackson County, North Carolina

Date Application Rec'd. by Br. of Ceram. & Fert. Mat.: April 12, 1955

Comments:

1. Blocks of mica were encountered in a trench.

2. Pegmatitic materials appear to extend below the existing cut.

3. Applicant appears to propose a project consisting of trenching, shaft sinking, and drifting. No map was attached to the copy of the application submitted to this office for preliminary appraisal.

4. 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.

April 18, 1955

Memorandum

To: L. G. Hook, Chief, Nonmetallic Minerals Division, Defense Minerals Exploration Administration

From: T. N. Kiilsgaard, U. S. Geological Survey

Subject: Review of B. M. Holland application, DMEA Docket 3765 (mica), Franklin, North Carolina

I have examined the cited application and also referred to our files to determine if we had any information that would be useful in its appraisal; however, no information is to be found. Therefore, it is recommended that the application be sent to the field for a field examination.

If the Field Team elects to recommend approval of a contract a Brunton and tape tie-in should be made from the site of the proposed work to a corner of the land to be included in the contract so as to insure that project work will stay within the land limits.

The mica house requested in the application should be disallowed as it cannot be considered as an exploration cost.

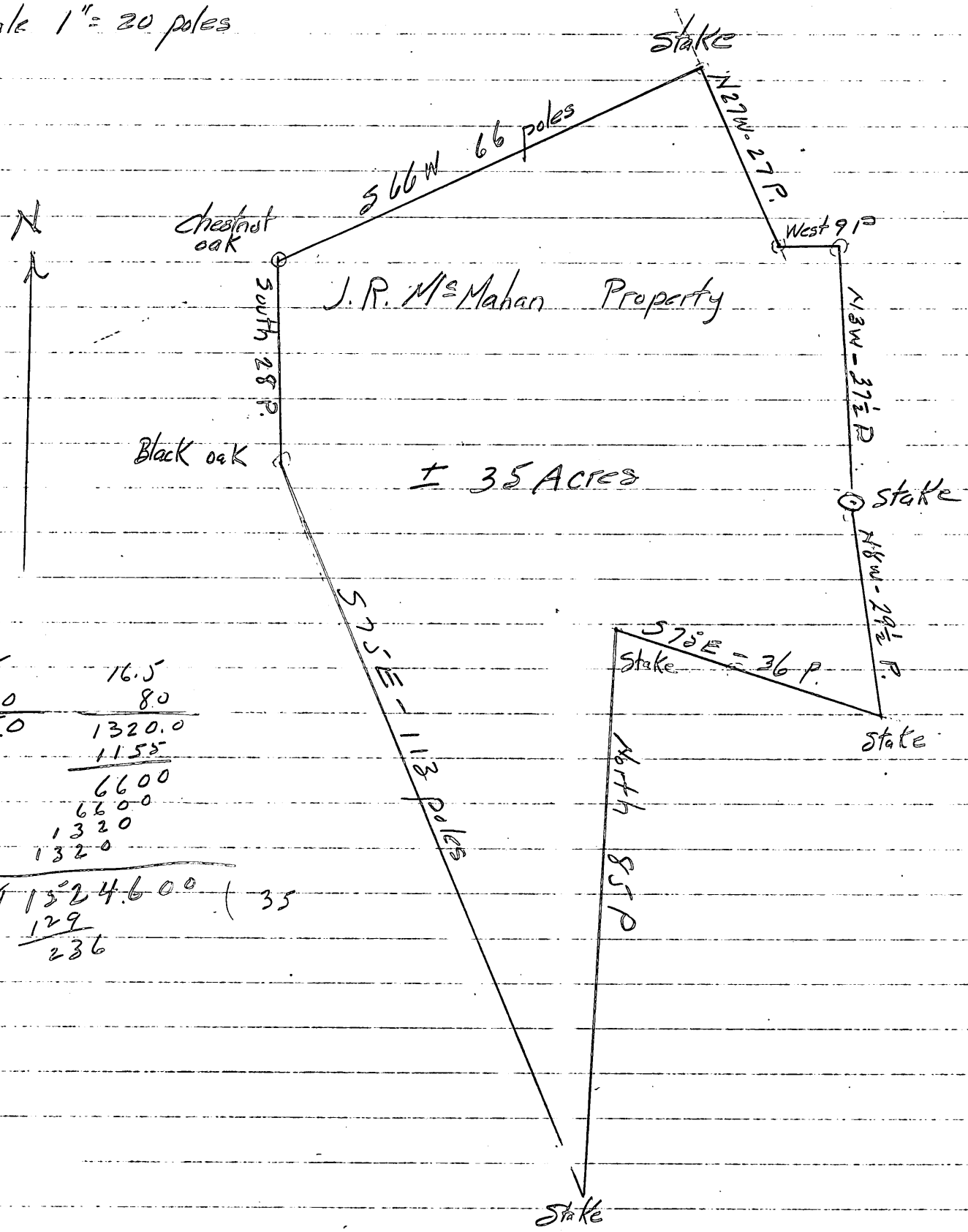
T. N. Kiilsgaard

Copy to: DMEA (3)

DMEA 3766

B. M. Holland.

Scale 1" = 20 poles



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