600

JAN 10 1955

Mr. E. E. Crawford
Route #1
Franklin, North Carolina

Re: Docket No. DMEA-3552 - Miss
E. E. Crawford
Tract 8 - Palmer Subdivision
Macon County, North Carolina

Dear Mr. Crawford:

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:gad 1/5/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region VII
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Hook

January 5, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report.

By: Walter C. Anderson

1. Docket No. DMEA-3552 - Mica
   Property: Tract G - Palmer Subdivision
   Macon County, North Carolina

   Applicant: E. E. Crawford
   Route #1, Franklin, North Carolina

   Application - Form MF-103 received October 27, 1954
   Work proposed: Strip overburden with bulldozer, sink 60-feet of shaft and drive 150-feet of drift.
   Amount requested: $8,608.00
   No contract: Application denied.

2. Comments:

   Geological premise - The chance that the pegmatite will continue and be productive of strategic mica is not promising, since the exposures in existing workings indicate that the pegmatite has limited extent along strike and dip, and most of the mica is small and badly cracked.

   Geological criteria:
   1. Disconformable and unzoned pegmatite - 1½' to 2½' thick.
   2. Pegmatite tends to pinch out along strike and "finger out" down dip.
   3. Both ruby and green mica, small in size, badly cracked and ribboned. Green mica is "flat-A" type.

   Future possibilities - Not good for recovery of sizable amounts of strategic mica, since only a small percent of the "mine run" mica would yield sheet mica sizes.

Recommendations - The Nonmetallic Minerals Division concurs in field team's recommendation to deny the application. The Geological Survey and the Bureau of Mines are in agreement.

WCAnderson:gad 1/5/55
Copy to: Admr. R. File
Mr. Houk

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

Department of the Interior
Defense Minerals Administration
RECEIVED
DEC 28 1954

December 27, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-3552 (mica)

Applicant: E. E. Crawford

Name and Location of Property: Tract G - Palmer Subdivision
Macon County, North Carolina

Date of Field Team Report: November 19, 1954

Date Rec'd. by Ceram. & Fert. Mat. Br.: December 1, 1954

Field Team Recommendation:
1. Denial.

Comments:
1. Field examiners are of the opinion that only small grade mica could be obtained.

2. Sufficient work has been done to indicate the pegmatite is not suitable for producing large quantities of strategic mica.

Recommendation:
I concur in the field team's recommendation to deny the application.

GNED

Donald R. Irving

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 5 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

November 19, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Field Examination Report on DMEA-3552, E. E. Crawford (mica)

Transmitted are four copies of the subject report.

We agree with the recommendation for denial of the application.

Robert A. Laurence

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

RAL/sm

Reviewed by
DMEA OPERATING COMMITTEE
12-1-54
(date)

UNITED STATES
Department of the Interior

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

On

DMEA-[illegible], TRACT G- PALMER SUBDIVISION
Mica
Macon County, North Carolina

By

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

D. M. Amos, Geologist, U. S. G. S.

and

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

REVIEWED BY
DMEA OPERATING COMMITTEE
12-1-54
DATE

November 18, 1954

FIELD EXAMINATION REPORT
On
DMEA-3552, TRACT G - PALMER SUBDIVISION
(mica)

Applicant: E. E. Crawford, Route # 1, Franklin, North Carolina

A thin pegmatite of limited extent has been exposed by recent work on this property. Most of the mica is small in size and badly cracked. It is recommended that exploration assistance be denied.

The property is 1.95 airline miles N. 79° W. of the town square of Franklin, Macon County, N. C. Access is via about one mile of jeep road.

The deposit was examined on November 18, 1954. Messrs. E. E. Crawford and W. Long accompanied the examiners on the inspection which required 1½ hours.

Surface workings consist of two trenches and a short adit, all done recently. One trench about 100' x 15' x 5' trending N. 80° W., was made along the strike of a pegmatite. From the northeast end of this cut a 20-foot adit was driven along the body in a S. 80° E. direction. A second trench about 200 feet to the east of the adit and which crosscuts the projected strike of body failed to intersect pegmatite.

A disconformable pegmatite about 1½-2½ feet thick is exposed in the adit. It strikes N. 80° W. and dips 55° to the southwest. The body tends to pinch out near the floor of the adit and to "finger-out" in the head of adit. It appears that the pegmatite is lens-shaped, having a limited extent both along strike and dip. The body is unzoned and consists of medium-grained plagioclase, quartz, perthite, and muscovite, in order of abundance. Slickenside in both pegmatite and wall rock indicates minor post-pegmatite movement. The enclosing country rock is weathered mica schist whose foliation strikes N. 20° W., and dips 30° SW.

Both ruby- and green-colored mica are present. The ruby mica is predominant and is small in size, clear and badly cracked. Some is ribboned. The green mica is of "flat-A" type. Only a small psecent of the "mine-run" mica would yield sheet mica sizes.

Examined November 18, 1954

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

and

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

s

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 3 1954

December 2, 1954

Re: DMEA-3552
E. E. Crawford
(Tract G - Palmer Subdivision)
Macon Co., N. C.
$8,608 - Mica

Memorandum

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

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

Subject: Recommendation for denial

The Field Team report recommended the application be denied.

Sufficient work has been completed to indicate the small size and poor character of the pegmatite body on the property. DMEA exploration is not warranted.

I recommend a letter of denial be sent to the applicant.

E. L. Newcomb

ELNewcomb:hlm
G-12/2/54

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

600 NOV 18 1954

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

Subject: Docket No. DMEA-3552 - Mica
Tract G - Palmer Subdivision
Macon County, North Carolina
E. E. Crawford

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 November 2, 1954, and from the Bureau of Mines, dated November 9, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

T. H. Hedges

Member, Bureau of Mines

E. L. Newcomb

Member, Geological Survey

Enclosures 4

WCAnderson:gad 11/15/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

P.S. If the Field Team recommends a contract, then new Owner's Consent to Lien with the correct description should be forwarded by the Operator.

NOV 1 6 195

Mr. E. E. Crawford
Route #1
Franklin, North Carolina

Re: Docket No. DMEA-3552 - Mica
Tract G - Palmer Subdivision
Macon County, North Carolina
E. E. Crawford

Dear Mr. Crawford:

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 VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

We wish to call your attention to the land description as given in the lease. The traverse as plotted from the land description does not close. Please note on the attached sketch. Please submit a corrected land description that will describe a closed traverse.

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

Enclosure
WCAnderson:gad
Copy to: Admr. R. File
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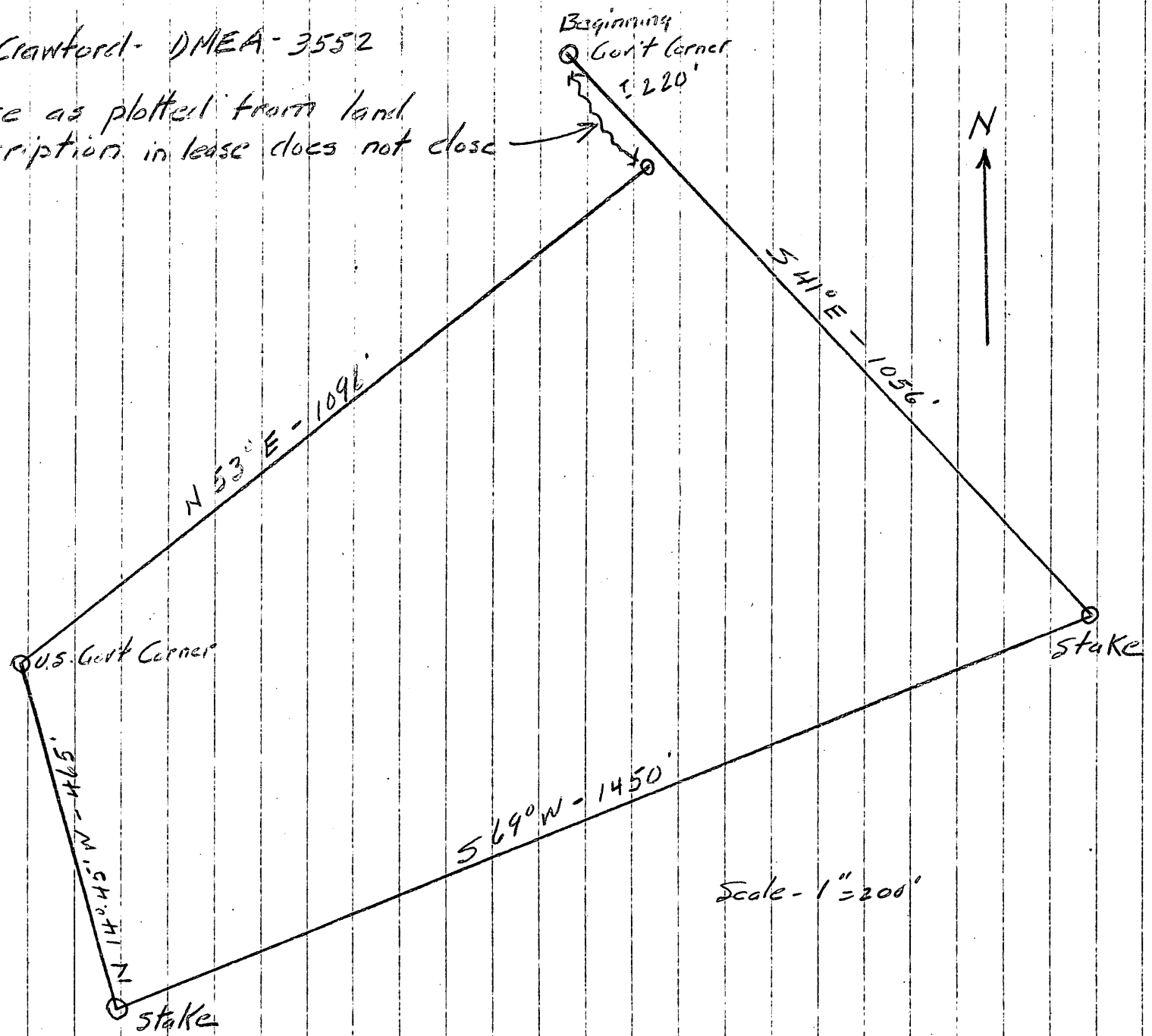
Operating Committee
Field Team, Region VII
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

E. E. Crawford - DMEA - 3552

Traverse as plotted from land description in lease does not close



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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 9 1954

November 9, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3552, Mica

Applicant: E. E. Crawford

Name and Location of Property: Prospect - Tract "G" Palmer Subdivision
Macon County, North Carolina

Date Application Rec'd. by Ceram. & Fert. Mat. Br.: Oct. 27, 1954

Comments:

1. No data available in this office on this property.

2. Estimated costs appear to be based on $50 per foot for sinking shaft and $35 for drifting.

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.

Defense Minerals Administration
RECEIVED
NOV 3 - 1954

November 2, 1954

Re: DMEA-3152
E. E. Crawford
(Tract 6 - Palmer
Subdivision)
Mason Co., N. C.
$8,608 Mica

Memorandum

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

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

Subject: Review of application

The applicant proposes to remove overburden by bulldozing, to sink a 60-foot shaft and to drift 150 feet from the shaft bottom.

We do not have any pertinent data on this property.

The applicant's proposal indicates the property is a raw prospect. If the tract is near producing mines, it is possible previous Survey work in the area will determine the feasibility of further exploration.

I recommend the application be referred to the field team for a possible examination, if they believe it is warranted.

E. L. Newcomb

ELNewcomb:edf

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