Division Copy
Surname:
Anderson
Houk
Rubin
Hofflund
Chambers

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Mary Sparks, Ewe Sparks, and Sam Sparks, partnership, doing business as The Hector Mining Co.
Newdale, North Carolina

Pursuant to the provisions of Exploration Project Contract No. Idm-8665, dated March 22, 1954 (Docket No. [illegible]), hereinafter called the "contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

Shaft and drifts from its bottom explored a conformable zoned pegmatite in mica gneiss. Strategic mica reserves (inferred and indicated) are found near the shaft bottom and along the drifts.

THE UNITED STATES OF AMERICA

By Frank E. Johnson
ACTING Administrator, Defense Minerals Exploration Administration

Dated: SEP 1 5 1954

WCAnderson:gad 9/15/54
Copy to: Mrs. Mary Sparks (Attached to Field Team's copy for forwarding).
Mr. Ed Sparks " " " " "
Mr. Irving Gumbel, EPS, GSA
Docket File
Admr. R. File
Mr. Hedges, 4604
Mr. Chambers
Mr. Johnson
Field Team, Region VII
Mr. Kiilsgaard, Rm. 5227
Operating Committee
Finance Office
Mr. Houk

Division Copy
Surname:
Anderson
Houk
Pretin
Hoffund
Chamber

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

CERTIFICATE OF THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Roy Sparks, Dave Parsley, and Sam Parsley, Partnership
doing business as The Hector Mining Co.
Newdale, North Carolina

Pursuant to the provisions of Exploration Project Contract No. Ion-3665, dated March 22, 1954 (Docket No. DMEA-3216), hereinafter called the "contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

A shaft and drift from the bottom explored a conformable zoned pegmatite in mica gneiss and indicated and inferred reserves of strategic mica were located.

THE UNITED STATES OF AMERICA

By_____
Administrator, Defense Minerals
Exploration Administration

Dated:_____

LGHouk:gad 8/16/54
Copy to: Mrs. Mary Sparks (Attached to Field Team's copy for forwarding).
Mr. Ed Sparks " " "
Mr. Irving Gumbel, EPS, GSA
Docket File
Admr. R. File
Mr. Hedges, 4604
Mr. Chambers
Mr. Johnson
Field Team, Region VII
Mr. Kiilsgaard, Rm. 5227
Operating Committee
Finance Office
Mr. Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Roy Sparks, Dave Parsley, and Sam Parsley, Partnership
doing business as The Hector Mining Co.
Newdale, North Carolina

Pursuant to the provisions of Exploration Project Contract No. Idm-E665, dated March 22, 1954 (Docket No. DMEA-3216), hereinafter called the "contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

*** A shaft and drifts from ~~the~~ its bottom explored a conformable zoned pegmatite in mica gneiss and indicated and inferred reserves of strategic mica were located.

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals
Exploration Administration

Dated: _____

*** **A shaft and drifts from its bottom explored a conformable zoned pegmatite in mica gneiss. Strategic mica reserves (inferred and indicated) were found near the shaft bottom and along the drifts.**

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

September 7, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-3416 (mica)

Applicant: E. E. & H. L. Burleson

Name and Location of Property: Gettys No. 1 mine
Cleveland County, North Carolina

Date of Field Team Report: August 17, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: August 23, 1954

Field Team Recommendation

1. Denial of application.

Comments

1. Mine was abandoned in 1952 because quality of mica was poor and cost of operating was excessive.

2. The examiners report that further prospecting is not justified.

Recommendation

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

Signed

Donald R. Irving

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

September 7, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-3416 (mica)

Applicant: E. E. & H. L. Burleson

Name and Location of Property: Gettys No. 1 mine
Cleveland County, North Carolina

Date of Field Team Report: August 17, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: August 23, 1954

Field Team Recommendation

1. Denial of application.

Comments

1. Mine was abandoned in 1952 because quality of mica was poor and cost of operating was excessive.

2. The examiners report that further prospecting is not justified.

Recommendation

I concur in the field team's 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.

August 23, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3416 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: E. L. Newcomb, U. S. Geological Survey
Applicant: E. E. and L. H. Burleson
Name of property: Gettys No. 1 Mine
Location of property: 0.9 mi. NE of Polkville, Cleveland Co., N. C.
Date of Field Team Report: August 11, 1954
Authorship of Field Team Report: K. H. Teague and D. H. Amos
Field Team's recommendation: Application should be denied.
Comments: Property lacks evidence indicating a substantial quantity of minable mica could be found by proposed exploration work. I concur with Field Team's recommendation.
ACTION RECOMMENDED: Application should be denied.

E. L. Newcomb

ELNewcomb:hlm
G-8/23/54

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

IN REPLY REFER TO:

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

August 23, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3416 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: E. L. Newcomb, U. S. Geological Survey
Applicant: E. E. and L. H. Burleson
Name of property: Gettys No. 1 Mine
Location of property: 0.9 mi. NE of Polkville, Cleveland Co., N. C.
Date of Field Team Report: August 11, 1954
Authorship of Field Team Report: K. H. Teague and D. H. Amos
Field Team's recommendation: Application should be denied.
Comments: Property lacks evidence indicating a substantial quantity of minable mica could be found by proposed exploration work. I concur with Field Team's recommendation.
ACTION RECOMMENDED: Application should be denied.

E. L. Newcomb

ELNewcomb:hlm
G-8/23/54

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

SEP 13 1954

Mr. E. E. Burleson
General Delivery
Morganton, North Carolina

Re: Docket No. DMA-3416 - Mica
E. E. and M. L. Burleson
Gettys No. 1 Mine
Cleveland County, North Carolina

Dear Mr. Burleson:

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 Exploration Program and for bringing your property to our attention.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

WCAnderson:gad 9/13/54
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5227
Mr. Houk

September 13, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report.

By: Walter C. Anderson

1. Docket No. DMEA-3416 - Mica
   Property: Gettys No. 1 Mine
   Cleveland County, North Carolina
   Applicants: E. E. Burleson and H. L. Burleson
   General Delivery
   Morganton, North Carolina
   Application: Form MF-103, date received July 14, 1954.
   Work proposed: Pump out old workings, remove muck, and bulldoze on the pegmatite.
   Amount requested: $2,500.00
   No contract: Application denied.

2. Comments:

   Geological premise: Indications point to mica concentration in pegmatite discontinuing just below bottom of existing cut.
   Geological criteria:
   1. Weathered pegmatite 15 feet thick at surface and thinning rapidly with depth.
   2. Mica poor in quality and limits of concentrations of mica converge laterally and downward.
   3. Past operations uneconomical.

   Future possibilities: Limited and unprofitable operation.

   Recommendation:
   The Nonmetallic Minerals Division concurs in field team's recommendation to deny the application. The Geological Survey and the Bureau of Mines concur in this recommendation.

WCAnderson:gad 9/13/54
Copy to: Admr. R. File
Mr. Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

SEP 13 1954

Mr. Roy Sparks
The Hector Mining Co.
Newdale, North Carolina

Re: Docket No. DMEA-3216 - Miss Roy Sparks, Dave Paraley and Sam Paraley
The Hector Mine
Yancey County, North Carolina
Contract No. Idm-E665

Dear Mr. Sparks:

Transmitted herewith is a certification of discovery or development on Contract No. Idm-E665 on The Hector Mine, Yancey County, North Carolina.

By the terms of the Exploration Project Contract and of the certification, all production from the property from the date of the Exploration Project Contract, March 22, 1954, is subject to the Government's percentage royalty as set forth in the contract until the sum of $3,993.75 is paid or until March 22, 1964, whichever occurs first.

Payments should be made to Mr. Robert A. Laurence, Executive Officer, Defense Minerals Exploration Administration Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee. Checks should be drawn payable to the Defense Minerals Exploration Administration. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward check to the Executive Officer.

Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets showing quantity and grade of ore sold, the name of the purchaser, and the price and charges certified to be correct by the purchaser.

You are requested to notify Mr. Laurence of any changes in ownership or production rights that may have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for any extended period, please notify Mr. Laurence at six-month intervals that no production has been made.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Enclosure

WCAnderson:gad 8/16/54
Rewritten WCAnderson:gad 9/13/54

Copy to: Admr. R. File
Docket
Mr. Johnson
Mr. Chambers
Mr. Houk
Mr. Hedges, 4604
Mr. Killingsard, 5227
Field Team, Region VII
Operating Committee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

600

SEP 16 1954

Mr. Irving Gumbel, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
Washington 25, D. C.

Re: Docket No. DMEA-3216 - Mica
Roy Sparks, Dave Parsley and
Sam Parsley, Partnership
The Hector Mining Co.
The Hector Mine
Yancey County, North Carolina
Contract No. Idm-1665

Dear Mr. Gumbel:

I am enclosing one copy of a certification of discovery or development relating to the subject contract.

The exploration contract was signed on March 22, 1954, with the Government participating to the extent of 75% of $5,325.00 or $3,993.75.

The project was started on April 13, 1954, and completed on June 30, 1954, after the expenditure of $5,325.00 which is the total net accepted cost according to the Audit Review. The Government paid 75% of the total accepted cost or $3,993.75.

The work performed on this project consisted of bulldozing a shaft site, constructing a tool house and powder and exploder magazines, sinking a 50-foot vertical shaft and driving 80 feet of drifts. A zoned conformable pegmatite 5 to 14 feet thick was explored having concentrations of non-ruby mica. Sufficient data were developed to calculate indicated and inferred reserves of strategic mica.

The DMEA concurs with the field team evaluation of the work performed and has certified that a discovery or development has resulted from the work under this contract.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Enclosure

Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5227
Mr. Johnson
Mr. Chambers
Field Team, Region VII
Mr. Hedges, 4604
Mr. Houk

WCAnderson:gad 8/16/54

WCAnderson:gad 9/14/54

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

Mr. Irving Gumbel, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
Washington 25, D. C.

Re: Docket No. DMEA-3216 - Mica
Roy Sparks, Dave Parsley and
Sam Parsley, Partnership
The Hector Mining Co.
The Hector Mine
Yancey County, North Carolina
Contract No. Idm-E665

Dear Mr. Gumbel:

I am enclosing one copy of a certification of discovery or development relating to the subject contract.

The exploration contract was signed on March 22, 1954, with the Government participating to the extent of 75% of $5,325.00 or $3,993.75.

The project was started on April 13, 1954, and completed on June 30, 1954, after the expenditure of $5,325.00 which is the total net accepted cost according to the Audit Review. The Government paid 75% of the total accepted cost or $3,993.75.

The work performed on this project consisted of bulldozing a shaft site, constructing a toolhouse and powder and exploder magazines, sinking an [redacted]-foot vertical shaft and driving 80 feet of drifting. A zoned conformable pegmatite 5 to 14 feet thick was explored having concentrations of non-ruby mica. Sufficient data were developed to calculate indicated and inferred reserves of strategic mica.

50 feet

The DMEA concurs with the field team evaluation of the work performed and has certified that a discovery or development has resulted from the work under this contract.

Sincerely yours,

Administrator

Enclosure

Project Summary Report

By: Walter C. Anderson August 16, 1954

1. Docket No. DMEA-3216 - Mica
Contract No. Idm-E665
The Hector Mine
Yancey County, North Carolina

Operators: Roy Sparks, Dave Parsley and Sam Parsley, Partnership
d/b/a The Hector Mining Company
Newdale, North Carolina

Operator's property rights:
Lease for five years dated October 20, 1953
Owner's Consent to Lien dated October 20, 1953

2. Contract - dated March 22, 1954

Work authorized:

Bulldozing shaft site	$50.00
Constructing toolhouse, powder and exploder magazines	225.00
Shaft sinking - 50 feet @ $45.00/ft.	2,250.00
Drifting and/or crosscutting - 80 feet @ $35.00/ft.	2,800.00
Total agreed unit costs	$5,325.00
Government participation @ 75%	$3,993.75

Amendments - None.

Work completed: Same as authorized.

Work began on April 13, 1954, and was completed on June 30, 1954. About 4,000 lbs. of "mine run" mica recovered during project, from which crude and scrap mica and 110.30 lbs. sheet mica has been sold, totaling $898.86. Mica is non-ruby.
Field Team Final Report received July 14, 1954.
Operator's Final Report received July 22, 1954.

3. Audit - Certificate issued August 11, 1954 (no exceptions).

Accepted cost	$5,325.00
Government participation	$3,993.75

4. Certification of discovery issued _____.
Estimate of ore reserves - pounds "mine run mica.

Indicated (above 62-ft. level)	25,000
Inferred (62-100 ft. level)	25,000

5. Comments:

How conducted - Carried out the work on schedule as authorized in the contract in a workmanlike manner.

Operation - good. Successful.

Engineering - Planning was good. Reporting by the Operator was very satisfactory.

Geological premise -

The premise that the pegmatite containing green mica of strategic grade would continue proved correct, since it is exposed throughout both the shaft and the drifts.

Geological criteria upon which work was based:

1. Zoned conformable pegmatite.
2. Quartz core 7 to 8 feet thick.
3. Feldspathic wall zones 2-3 feet thick.
4. Green mica occurrence adjacent to quartz and in both wall zones.
5. Past production.

Criteria developed during project:

1. Conformable zoned pegmatite 5-14 feet thick.
2. Concentration of green mica near the walls.
3. Sales of mica during operation.

Future possibilities: Good for production of green mica. Operators planning future operations.

Recommendation: The Nonmetallic Minerals Division concurs with the field team that the project was successful and a certification should be issued. The Geological Survey and the Bureau of Mines are in agreement.

WCAnderson:gad 8/16/54
Copy to: Admr. R. File
Mr. Houk

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

September 7, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-3416 (mica)

Applicant: E. E. & H. L. Burleson

Name and Location of Property: Gettys No. 1 mine
Cleveland County, North Carolina

Date of Field Team Report: August 17, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: August 23, 1954

Field Team Recommendation

1. Denial of application.

Comments

1. Mine was abandoned in 1952 because quality of mica was poor and cost of operating was excessive.

2. The examiners report that further prospecting is not justified.

Recommendation

I concur in the field team's 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.

August 23, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3416 (mica)

To: L. G. Hook, Defense Minerals Exploration Administration
From: E. L. Newcomb, U. S. Geological Survey
Applicant: F. E. and L. H. Furlesen
Name of property: Gettys No. 1 Mine
Location of property: 0.9 mi. NE of Polkville, Cleveland Co., N. C.
Date of Field Team Report: August 11, 1954
Authorship of Field Team Report: E. N. Teague and D. H. Amos
Field Team's recommendation: Application should be denied.
Comments: Property lacks evidence indicating a substantial quantity of minable mica could be found by proposed exploration work. I concur with Field Team's recommendation.
ACTION RECOMMENDED: Application should be denied.

E. L. Newcomb

ELNewcomb:hlm
G-8/23/54

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

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~

ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

August 17, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA- Region VII

Subject: Field Examination Reports (mica) DMEA-3416, E. E. & H. L. Burleson
DMEA-3415; . . Coffey, Buchanan & Ayers

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

We recommend denial of both, in keeping with the field examiners' conclusions that further exploration is not justified.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/zm
cc:
Beck
Lynch
Files-2

Reviewed by
DMEA OPERATING COMMITTEE
8-23-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT OF FIELD TEAM, REGION XII

On

DMEA-3416, GETTYS No. 1 MINE (mica)
Cleveland County, N. C.

By

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

D. H. Amos, Geologist
U. S. Geological Survey

August 11, 1954

RECEIVED
DMEA OPERATIONS CENTER
8-23-54
(date)

FIELD EXAMINATION REPORT
On

DMEA-3416, GETTYS No. 1, MINE
(mica)

Applicant: E. E. and H. L. Burleson, Gen'l Del. Morganton, North Carolina

During the latter stage of World War II and late in 1952, this mine was closed because it was unprofitable to operate. The field examiners can see no justification to further work, thus, we recommend that the application be denied.

The deposit was examined August 11, 1954. Messrs. E. E. and H. L. Burleson accompanied the examiners on the inspection which required one hour.

The Gettys No. 1 mine is 0.09 mile northeast of Polkville, Cleveland County, North Carolina. Access is excellent at all times.

The following description of the mine is taken from Mica Deposits of the Southeastern Piedmont, Part 5, "Hickory-Shelby District, North Carolina," Prof. Paper 248-D, pp.256-57, U. S. G. S. Griffitts and Olson.

"The mine is owned by Mrs. Maggie Crowder Gettys and has been worked intermittently for many years. It was reopened briefly in 1932 by H. A. Haack, who re-leased the property in 1943 and cleaned out the old open cut. When the mine was abandoned in 1944 the cut was 96 ft. long, 6 to 40 ft. wide, and 48 ft. deep. The production of trimmed punch and sheet mica was large."

"The country rock is schist that consists cheifly of muscovite and many small lenses of quartz. In the east side of the cut it contains many small grains of garnet and much chalky, altered sillimanite. All the minerals but muscovite and quartz have been thoroughly weathered. The country rock foliation strikes north to northwest and dips east to northeast."

"The pegmatite body is thoroughly weathered and is exposed above water level only in the ends of the cut. It probably was nearly 15 ft. thick near the surface and at the middle of the cut but pinched along the strike to about 4 ft at the ends of the cut. It is 7 to 8 ft thick at a depth of 48 ft. A core of massive quartz is flanked by a wall zone of kaolinized plagioclase, interstitial quartz, and book mica. Secondary marcasite occurs in the lower part of the cut as fine-grained masses and as aggregates of crystals that line cavities in the pegmatite."

"Mica occurs sparingly in the wall zone at the north end of the cut. The southern and norther limits of the main mica concentration were found to converge downward, and the mica-rich part of the deposit may well end at a depth not much greater than that of the cut. The mica is flat, hard, and pale pinkish-buff. That obtained from the richest part of the dike was clay-stained

but yielded moderate quantities of trimmed sheet mica of good quality. The books at the bottom of the cut are badly reeved and fractured and are heavily stained by clay, iron oxide, and manganese oxides. They yielded little sheet material. The mine was abandoned because the quality of the mica became very poor and because of incipient caving of the walls of the cut."

In 1952 Ira Vance and associates of Pineola, N. C., operated the mine for several months. Their cost of operation was about double the value of mica recovered.

From all evidence available for study, future work on this deposit would be unprofitable. Furthermore, it appears that the deposit has been almost mined out. Therefore, the field examiners recommend the application be denied.

August 11, 1954

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

Aug 4

Mr. E. E. Burleson
General Delivery
Morganton, North Carolina

Re: Docket No. DMEA-2416 - Nica
E. E. and H. L. Burleson
Gettys Mine
Cleveland County, North Carolina

Dear Mr. Burleson:

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.

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,

G. O. Mittendorf

Administrator

WCAnderson:gad 8/4/54
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

600

4

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

Subject: Docket No. DMEA-3416 - Mica
E. E. and H. L. Burleson
Gettys Mine
Cleveland 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 July 15, 1954, and from the Bureau of Mines, dated July 30, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

s/ E. L. Newcomb
Member, Geological Survey

Enclosures 4

WCAnderson:gad 8/4/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

[redacted]

Room 1, Post Office Building
Knoxville, Tennessee

July 19, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA Region VII

Subject: DMEA-3613, R. E. Burleson & H. L. Burleson(wife) N. C.

Transmitted are six copies of Owner's Consent to Lien on the subject application sent your office July 12, 1954.

Robert A. Laurence

RAL
Sec
Spec
L mk
Files

OpsCom

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 1954

July 30, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3416 (mica)

Applicants: E. E. Burleson and H. L. Burleson

Name and Location of Property: Gettys Mine
Cleveland County, North Carolina

Date Application Rec'd. by Ceramic & Fertilizer Mtls. Br.: July 14, 1954

Comments:

1. Bureau of Mines records show that 97.8 pounds of Good stained and better quality mica and 11.7 pounds of Stained were sold to the Government in 1952 by Ira Vance reportedly from the Gettys' mine.

2. Proposed exploration is not explicit and the estimate of expenditures should be made on a unit-cost basis.

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 applicants should agree on a definite plan of exploration on a unit-cost basis.

Signed

W. F. Dietrich

IN REPLY REFER TO:
G-MD-CBM

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

July 15, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3416 (mica)

To: L. G. Hook, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant's name and address: H. E. Burleson and H. L. Burleson, Morganton, North Carolina.
Name of property: Gettys mine.
Location of property: Cleveland County, North Carolina.
Summary of applicant's proposal:

1. Dewater and clean out mine.
2. Bulldozing.

Sources of information on applicant's property:

Unpublished ms. report by J. M. Parker, III, U.S.G.S., Jan. 1944, and W. R. Griffitts, Sept. 1944.

Comments:

1. Project not well described.
2. This deposit might turn out to be another of type where constant caving and sloughing will be hazardous and expensive.
3. Sheet averaged about $5/lb. during 1943-44.

RECOMMENDATION: Refer to Field Team.

D. M. Larrabee

Copy to: DMEA (3)