600

DEC - 5 1955

Mr. Charles T. Bradley
Box 256
Franklin, North Carolina

Re: Docket No. DMEA-4000 - Mica
Charles T. Bradley
Apple Valley Mine
Rabun County, Georgia

Dear Mr. Bradley:

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,

Frank H. Johnson

ACTING Administrator

WCAnderson:gad 12/2/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Dietrich, 3061
Mr. Killingsgaard, 5222
Mr. Monk
Mr. Anderson

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

RECEIVED
DEC - 1 1955

November 30, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4000 (mica)

Applicant: C. T. Bradley

Name and Location of Property: Apple Valley Mine, Rabun County, Ga.

Date of Field Team Report: 11/4/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/21/55

Field Team Recommendation: Recommend denial of application.

Comments:

1. Mica observed during examination was predominately "A" stained and non-strategic.

2. Possibility for discovery of a worthwhile deposit of strategic mica is considered poor.

Recommendation: I concur with the field team recommendation.

Signed
W. F. Dietrich

IN REPLY REFER TO:

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

November 22, 1955

Re: DMEA 4000
Chas. T. Bradley
Apple Valley Mine
Rabun Co., Georgia
Mica

Memorandum

To: L. C. Kouk, Defense Minerals Exploration Administration

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring an old mine from which mica production was reported. A small amount of mica has been sold recently by the applicant: 42 pounds for $586.60 or $14.00/lb.

According to the examiners a large pegmatite is well exposed and contains much inferior mica in a wall zone surrounding a massive quartz core. Some large books were seen but "almost all of the mica is either scrap grade or stained, cross-hatched with biotite and iron oxide." Since "no justification exists to suppose the mica would get better with depth," denial of the application is recommended.

I concur with the recommendation of denial of the application made by the examiners and Field Team.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-11/22/55

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

RECEIVED
NOV 23 1955

Memorandum

To: File

From: Walter C. Cookson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination, report

Project No. 6-7000-4000-Mica

Charles J. Bradley

Apple Valley Mine

Rabun County, Georgia

Denial of application is recommended.

Mica - Non-strategic green, stained, flat "A" stained, small amounts of rum colored, biotite and iron stained mica.

Pegmatite - massive quartz pegmatite 12 feet thick exposed for a distance of about 75 feet. Changes dip from horizontal to about 30°, containing non-strategic mica, massive quartz, feldspar and a large percentage of green sericite.

Old workings - Elbow shaped cut. One limb is 60 feet long showing a wall 25 to 30 feet high. The other limb is 60 feet long showing a wall 40 feet high. Pegmatite exposed on this wall rises in the center to follow slope contours. Mine was worked 50 or 60 years ago.

Method of exploring - Applicant says he wishes to sink a "workshaft". No costs submitted. Applicant has made sales of mica to Spruce Pine Depot of at least 42 pounds for $586.60.

Recommendation: The Field Team recommends denial because it is their opinion that the mine would not produce commercial quantities of strategic grade mica. The Nonmetallic Minerals Division and the community services of B.M. & U.S.G.S. concur.

UNITED STATES
DEPARTMENT OF THE INTERIOR

COPY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON, D.C.~~
KNOXVILLE, TENNESSEE

November 14, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Field Examination Reports: DMEA-4000, (mica) Chas. T. Bradley
and
DMEA-4020 (mica) Will McKinney, et al.

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

We agree with the recommendation for denial of these applications.

s/ ROBERT A. LAURENCE
Robert A. Laurence
Executive Officer
DMEA Region V

s/ V. J. LYNCH
V. J. Lynch, Member
U. S. Bureau of Mines

Reviewed by
DMEA Operating Committee
11-21-55

RECEIVED
NOV 16 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

On

DMEA-4000, APPLE VALLEY MINE (mica)
Rabun County, Georgia

By

K. H. Teague, Geologist
A. R. Taylor, Geologist
S. C. Bergman, Geologist
U. S. Geological Survey

and

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

November 4, 1955

600

OCT 1 9 1955

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

Subject: Docket No. DMEA-4000 - Mica
Charles T. Bradley
Apple Valley Mine
Rabun County, Georgia

Dear Mr. Lawrence:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated October 7 and 13, 1955, by H. P. Nelson, USGS, and W. H. Dietrich, USBM, respectively, relating to the project are enclosed.

Since the application suggests the proposed program is preparation for mining and is rather sketchy, we concur with the Field Team's decision to defer a request for a bond or third party guarantee until it has been determined that an exploration program will be recommended. We note that the leased area contains only 2.5 acres which may be inadequate for an exploration program. Therefore, if an exploration program is recommended and additional land is necessary, the applicant should be instructed to furnish a lease covering the additional land.

If your office recommends an exploration program approved by the applicant, please furnish the necessary information to draft a contract. In this connection we will require nine copies of a map showing the proposed work and pegmatite exposures in relation to the property lines.

Sincerely yours,

Approved:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

George C. Selfridge
Chairman, Operating Committee

FLKnouse:WCAnderson:gad 10/17/55

Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

Enclosures 4

P.S. Please note Operating Committee Minutes 207, dated April 24, 1953, and 296, dated November 23, 1953, for the detailed information we will require to draft a contract.

600

OCT 19 1955

Mr. Charles [illegible] Bradley
Box 256
Franklin, North Carolina

Re: Docket No. [illegible] - Mica
Charles [illegible] Bradley
[illegible] Valley [illegible]
Macon County, Georgia

Dear Mr. Bradley:

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, [illegible], [illegible] 1[illegible], [illegible] 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 notice you may give the members of the Field Team during the exploration will be appreciated.

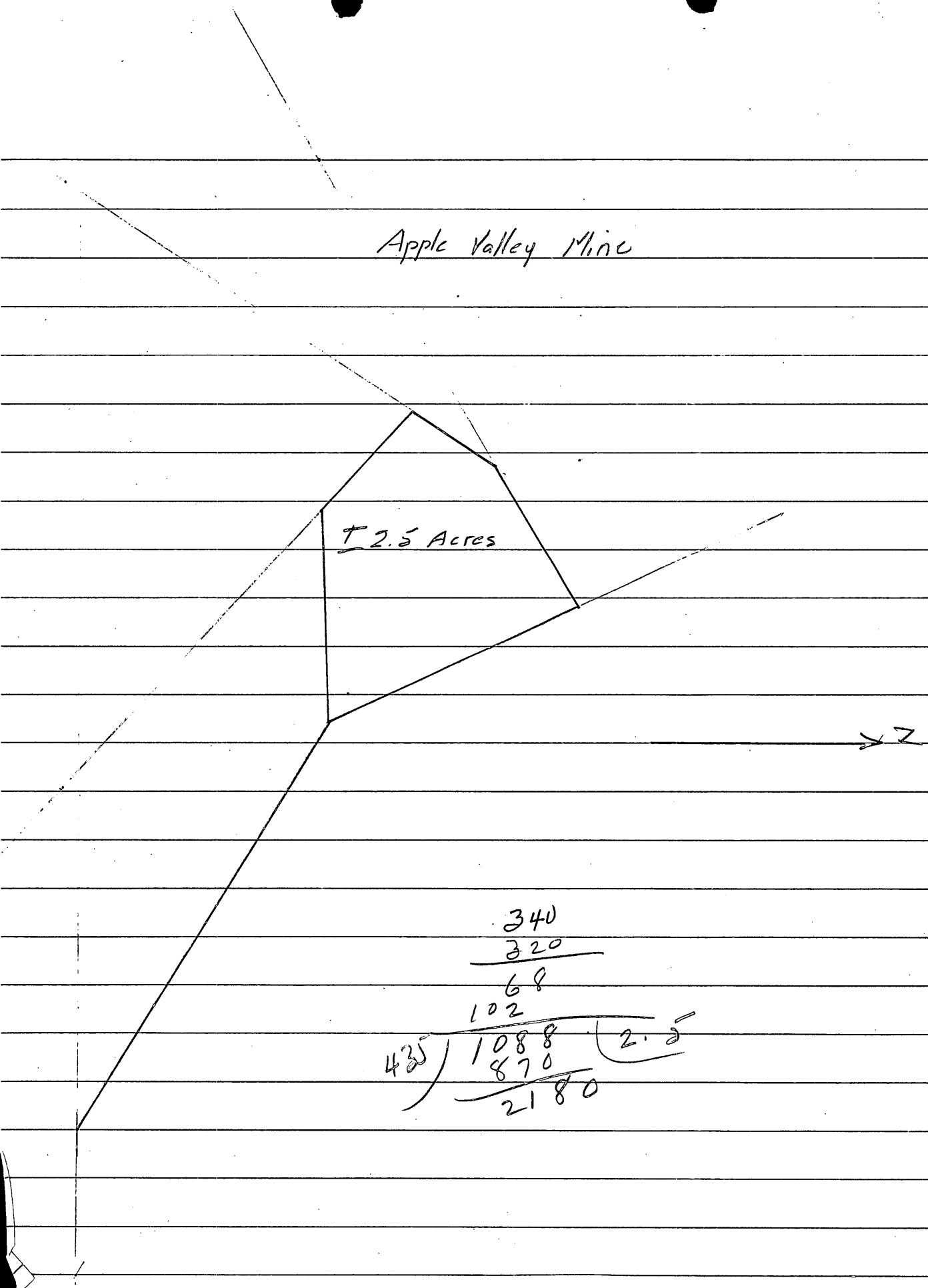
Sincerely yours,

Frank E. Johnson

Acting Administrator

Initialed 10/18/55
Copy to: Admr. [illegible] File
Docket
Field Team, Region V
Operating Committee
Mr. Killegaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

Apple Valley Mine



340
320
68
102
435) 1088 (2.5
870
2180

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

RECEIVED
OCT 14 1955

October 13, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4000 (mica)

Applicant: C. T. Bradley

Name and Location of Property: Apple Valley, Rabun County, Georgia

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/6/55

Comments:

1. No data available in this office on this property and there is insufficient information given in the application to assist a preliminary appraisal.

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.

Signed

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
OCT 10 1955

October 7, 1955

Re: DMEA 4000
Charles T. Bradley
Apple Valley
Rabun County, Georgia
Mica

Memorandum

To: L. O. Hook, Defense Minerals Exploration Administration

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

Subject: Review of Application.

I have no information on this property.

The amount of sales to "Spruce Pine" can be checked and if sizable an examination is suggested.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/7/55

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

RECEIVED

NOV 16 1955

FIELD EXAMINATION REPORT
On

DMEA-8000, APPLE VALLEY MINE (mica) Rabun County, Georgia

Applicant: Charles T. Bradley, P.O. Box 256, Franklin, North Carolina

Mica at this deposit is predominately greenish in color, non-ruby. Very little strategic grade mica is present; it has a cross-hatched mineral stain along with scattered black (biotite ?) inclusions. Although the pegmatite is large (width of cut), it is the opinion of the Field Examiners that the mine would not produce commercial quantities of strategic grade mica, and that the application for assistance be denied.

The Apple Valley Mine is on a ridge nose between two small streams, near the base of Rabun Bald in Rabun County, Georgia. It is approximately 10 miles east of Clayton, Georgia and 5 miles north up a graveled road on a game preserve.

The mine consists of an elbow-shaped cut, with the deposit section in the elbow. One limb of the cut trends 60 feet N. 55° W., and the other 60 feet N. 65° E. A 60 foot section along the south side of the N. 65° E. limb shows a wall 25 - 30 feet high, sloping on both ends to meet the upward sloping bottom, with a small tunnel about midway, driven into massive quartz pegmatite about 6 - 7 feet. The pegmatite changes dip, from almost horizonal at the small tunnel to about 30° toward the elbow for 10 feet, then a gentle plunge of approximately 5° throughout the trench to the SW. The wall on the north side is about 40 feet high and 60 feet long. Pegmatite exposed on this wall rises in the center to follow the slope contours, and it dips away toward both ends of the cut, the NE and the SW. Immediately above the pegmatite is a very highly weathered, reddish-brown, clayey soil.

Mineralogically, the pegmatite consists of non-strategic green, stained mica, flat "A" stained mica, small amounts of very small rum-colored, biotite and iron stained flat mica, massive quartz, feldspar, and a large percenrage of green sericite. Some "A", stained mica books are two-inches thick and 12 x 20 inches wide. Almost all of the mica is either scrap grade or stained, cross-hatched with biotite and iron oxide.

Structurally, the pegmatite strikes generally about N. 55° E. and dips about 51° SE. It has a massive quartz core surrounded by a feldspar micaceous wall zone.

An old bus is on the site, and is used as a bunk house and tool shed. A boom and bucket with a gasoline-powered hoist set up on top of the trench wall on the inside of the elbow. Otherwise, no other equipment is present at the site.

On November 4, 1955, the Field Examiners in company with Mr. Charles T. Bradley visited this mine, and discussed the possibility of future production. On hour was spent examining the mine. Mr. Bradley stated that the mine was worked about 50 or 60 years ago, and that good green mica was taken out. He has made three sales to the Spruce Pine Mica Depot, two of which were:

1. 27 lbs. for $359.60

2. 15 lbs. for $227.00

It is the opinion of the Field Examiners that the mine has no commercial quantity of strategic grade mica, and that no justification exists to suppose the mica would get better with depth. Therefore, the field examiners recommend that Mr. C. T. Bradley's application for assistance be denied.

November 4, 1955, inspected.

K. H. Teague, A. R. Taylor, S. C. Bergman, Geologists
U. S. Geological Survey

and

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