May 10, 1955

Memorandum

To: The Files

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report
Docket No. DMEA-3734 - Beryl-Mica
Robert E. Peterson and J. J. Ewart
Jimmy Mine
Mitchell County, North Carolina

Denial of this application is recommended

Mica - Small, green, some badly stained, some severely.

Beryl - Ruled and sparse. The beryl is small and not enough to warrant consideration.

Pegmatite - Two pegmatites, 250 feet apart.

1. The Western Pegmatite: Conformable to mica gneiss wall rock, 4 feet thick, exposed for a length of 30 feet. 2 feet of quartz core.
2. The Eastern Pegmatite: Unzoned 6 foot thick pegmatite conformable to mica gneiss wall rock. Exposed for only a short distance.

Old workings -

1. The Western Pegmatite - Open cut 30 feet long by 15 feet deep at face. Pegmatite poorly exposed.
2. The Eastern Pegmatite - Small bench cut.

Method of exploring - The applicant proposes to remove overburden, sink a shaft and drift.

Economics - There has been no previous production. Beryl crystals are too small and few and the mica is of too poor quality and sparce to justify an exploration program. The DMEA and the commodity members from the Geological Survey and the Bureau of Mines concur in the Field Team's recommendation to deny the application.

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

Walter C. Anderson
Nonmetallic Minerals Division

600

MAY 18 1955

Messrs. Robert E. Peterson
and J. J. Hamert
Route 3, Box 184
Bakersville, North Carolina

Re: Docket No. DMEA-3734 - Beryl-Mica
Robert E. Peterson and
J. J. Hamert
Jimmy Mine
Mitchell 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 or beryl 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,

E. O. Mittendorf

Administrator

WCAnderson:gmd 5/10/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

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

Bureau Mines
RECEIVED
MAY 17 1955

May 16, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3734 (mica)

Applicant: R. E. Peterson & J. J. Emmert

Name and Location of Property: Jimmy Mine
Mitchell County, North Carolina

Date of Field Team Report: 4-28-55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 5-6-55

Field Team Recommendation:

1. Denial.

Comments:

1. Two pegmatite dikes were examined and neither contained appreciable strategic mica.

2. Geological factors show that this deposit is unlikely to produce any sizable quantities of strategic mica.

Recommendation:

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

Signed

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
MAY 12 1955

May 10, 1955

Re: DMEA-3734
Peterson and Bennett
Jimmy Mine
Mitchell Co., N. C.
Mica and Beryl

Memorandum

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

From: R. D. Trace, U. S. Geological Survey

Subject: Review of Field Team report

I concur with the Field Team's recommendation of denial. The mica is non-strategic quality, and insufficient beryl crystals are present to warrant consideration.

R. D. Trace

RDTrace:hlm
G-5/10/55

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION
FIELD TEAM
REGION V

ON

DMEA-3734, JIMMY MINE
(mica)
Mitchell County, N. C.

BY
K. H. Teague, Geologist
D. H. Amos, Geologist
U. S. Geological Survey

and
V. J. Lynch, Mining Engineer
U. S. Bureau of Mines

Department of the Interior
Bureau of Mines - Minerals
RECEIVED

FIELD EXAMINATION REPORT
On
DMEA-3734 (mica) JIMMY MINE
and
(beryl)

Applicants: Robert E. Peterson and J. J. Emmert, R#3, Box 184, Bakersville, N. C.

Two pegmatites were examined on this property. Neither contained appreciable mica of strategic grade. The examiners recommend denial of the application.

The deposit was examined April 20, 1955. Mr. J. J. Emmert, ~~and~~ the land owner, and the landowner's son (name unknown) accompanied the examiners on the inspection which required two hours.

The Jimmy Mine is 2000 feet northeast of N. C. Highway No. 26, 2.56 airline miles S. 24° E. of Bakersville, Mitchell County, North Carolina. Access is possible at all times by jeep.

Two pegmatites, essentially parallel and about 250 feet apart, occur on this property. The Western Pegmatite has been explored by an open cut about 30 ft. long and 15 ft. deep at the face. The pegmatite is poorly exposed, showing the following zones from the hanging wall: (1) 0.7 feet of wall zone rich in quartz, badly stained green mica, garnet, with some soda feldspar, and scattered small beryl. All of the mica is small. (2) 1.3 feet of intermediate zone rich in potash feldspar with a small amount of clear green "A" mica. It is all small. (3) 2 feet of quartz core. Fill covers part of the quartz and everything below it.

The pegmatite is conformable to the mica gneiss wall rock. It trends N. 10° E. and dips 30° SE. Except for the mica adjacent to the quartz core, all mica is badly stained and ~~it~~ has other defects. No work is recommended.

The Eastern Pegmatite has been exposed in a small bench cut. It is about 6 feet thick, strikes N-S, dips 30° E, conformable to the mica gneiss wall rock, and is finegrained. The pegmatite contains potash and soda feldspar, quartz, mica, and garnet. There is no apparent zoning. All of the mica is severly ruled and is sparse, some staining is also present.

Although occasional small beryl crystals are present in both pegmatites, not enough is present to warrant consideration. Almost all of the mica is of non-strategic quality. Therefore, the examiners recommend that the application be denied.

Inspected: April 20, 1955

K. H. Teague and D. H. Amos, Geologists
U. S. G. S.

V. J. Lynch, Mining Engineer
U. S. B. M.

s

600

APR 11 1955

Messrs. Robert E. Peterson
and J. J. Emmert
Route 3, Box 184
Bakersville, North Carolina

Re: Docket No. DMEA-3734 - Beryl-Mica
Robert E. Peterson and
J. J. Emmert
Jimmy Mine
Mitchell 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. Lawrence, Executive Officer, DMEA Field Team, Region V, 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,

J. C. Mittendorf

Administrator

WCAnderson:gnd 4/6/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

APR 11 1955 600

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

Subject: Docket No. DMEA-3734 - Beryl-Mica
Robert E. Petersen and
J. J. Emmert
Jimmy Mine
Mitchell 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 Horace T. Reno of the Bureau of Mines, dated March 25, 1955, and from E. L. Ravenah of the Geological Survey, dated April 4, 1955, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Trnor H. Kiilsgaard

Member, Geological Survey

Enclosures 4

WCAnderson:gad 4/6/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Neuk

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
APR - 5 1955

April 4, 1955

Re: DMEA-3734
R. E. Peterson and
J. J. Ennert
(Jimmy Mine)
Mitchell Co., N. C.
82,673 - Beryl-Mica

Memorandum

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

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

Subject: Review of application

The operator has not presented a specific proposal of exploration. He prefers to be advised by the field examiners as to what exploration is required.

We do not have any data on the Jimmy mine or prospect in our files.

Although the application material is inadequate for a fair office appraisal, I doubt that very much pertinent data would be obtained by correspondence with the applicants.

Inasmuch as the field examiners will be in the area during the next few weeks, I recommend a field referral be made for an on-site examination at their convenience.

E. L. Newcomb

ELNewcomb:hlm
G-4/4/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
H. T. Reno, 3641A Interior

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

March 25, 1955

Memorandum

To: L. N. Houk, Chief, Non-Metallic Minerals Division, DMEA

From: Commodity-Industry Analyst, Branch of Rare and Precious Metals

Subject: Application for Aid in an Exploration Project, DMEA Docket No. 3734, (beryl - mica)

The description of the deposit in subject application is inadequate and the applicant obviously will depend on Field Team assistance to plan the exploration. However, it doesn't appear to be logical or proper to require these small operators to hire consultants. I therefore recommend that the application be referred to the field for an examination of the property.

Horace T. Reno

HTReno:jtmc

Copy to: Division of Minerals
Branch of Rare and Precious Metals
DMEA (3 copies)
E. I. Newcomb, U. S. Geological Survey, Room 5227
H. T. Reno
File

Reno

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3734
Metal or Mineral Beryl-Mica
Date Received 3-23-55
Estimated Cost $2,673
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Robert E. Peterson and J.J. Emmert
Route #3 Box 184 Bakersville, North Carolina

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract
Being a certain Micaa mine known as the Jimmy mine on the property of the lessors on the head waters of North fork of Snow Creek Mitchell County, North Carolina.

(*b*) State any mine name by which the property is known. Jimmy Mine

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property. Mining lease enclosed

(*e*) If you own the land, describe any liens or encumbrances on it Not Applicable

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Not Applicable

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

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MAR 21 1955
U.S. Geological Survey

66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore .....

.....

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. .....

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated ....., 195__

.....
(Applicant)

By.....

.....

.....

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

4. (a) Exploration has been by use of dozer and hand labor, removing overburden. Hand labor is still being carried on. My interest is half.
The workings are accessable by Jeep or 300 yds. from highway.

(b) No production as yet.

(c) The property is mountainous, the vein of granatic rock lays North and south and consists of spar, bedded Mica, and Beryl crystals.
My reason for wanting to explore this vein is because of the quality of the Mica and the presence of the Beryl I hope for a good deposit of both.

(d) The mine is accessable by truck or jeep.
Distance to shipping nine miles, to supply three miles residence 300 yds.

(e) Manpower experienced plentiful. Equiptment, material and supplies can be obtained at Sprucepine nine miles away. Water and power at 300 yds.

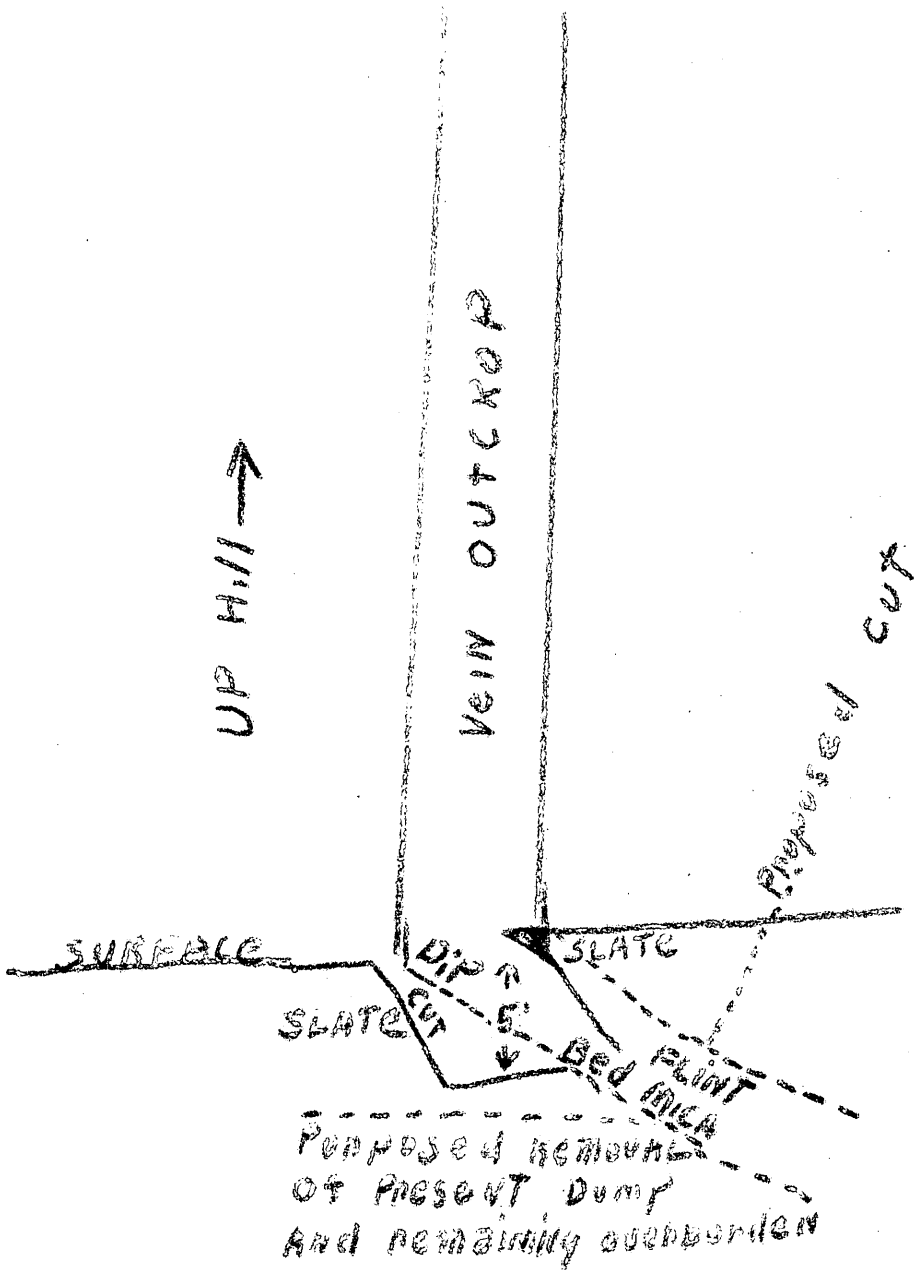
5. (a) Mica and Beryl

(b) To remove remaining overburden, shaft and drift or as otherwise directed by inspecting geologists. Sketch enclosed

(c) The work will start within 5 days and be completed within 3 months from the date of an exploration contract.

(d) The Applicant has five years experience in mining Spar and Mica and is well acquainted with its handling. He is qualified to supervise the actual work acting on the directions of responsible advisers.

(5.b) Because of the acute dip of this vein all the work cannot be described in detail without the advice of the examining engineer or geoligist, as there are several ways to aproach it. The proposed work in general would be to remove the remaining overburden, to shaft and drift, or cut and tunnel as directed.



6. Estimate of costs-

(a) Independent contracts- I6 hrs bulldozing at $8.00 hr...$I28.00
(b) Labor (3) at $1.00 per hr. 5 days a week I2 weeks.....I440.00
(c) Operating material and supplies.....2 picks..... 8.00
2 shovels.... 7.00
steel..... 65.00
fuel..... 75.00
(d) Operating equiptment- Air compressor and accessories...600.00
Hoist.....I90.00
(e) Rehabilitation- None
(f) New buildings I 5X5 tool house 50.00
(g) Miscellaneous.....50.00
(h) Contingencies.....50.00

total $2673.00

7. (a) Yes
(b) Applicants will furnish the labor and supplies excepting fuel. Also building for processing Mica rented for $20.00 a month. A contribution of aprox. $I600