DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4853

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [x] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports

- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

RECEIVED
OCT 17 '57
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described as follows: 2/
BEGIN at a chestnut oak on a ridge near Emerald Rock, said being located north 60 west 500 feet from the chestnut oak(2 oaks corner) C. C. Hardy's corner in Yow Cap near Emerald Rock, said corner referred to in deed dated Dec. 10, 1935 and of record in Book 96 of Deeds at page 264, Mitchell County Registry, and runs south 51 west 600 feet to a stake; thence south 39 west 600 feet to a stake; thence north 51 east 600 feet to a stake; thence north 39 east 600 feet to a [illegible].

_____,
which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None.

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 28th day of October, 1957.

James Torpey [Seal] _____ [Address]

Peggy Petrile [Seal] _____ [Address]

Norman Goodsell [Seal] _____ [Address]

Gilda R. Grundstaff [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
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Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

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RECEIVED OCT 17 1957 U.S. State E.A.

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 7th day of October, 1957.

Lamo Foster	[Seal]		[Address]
Peggy H. Foster	[Seal]		[Address]
Harvey Grindstaff	[Seal]		[Address]
Gilda L. Grindstaff	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

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[Corporate Seal]

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7. Added provision: None (State "None" or "See Annex No.____")

Dated this 7th day of October, 195 7.

James Tatum [Seal] _____ [Address]

Peggy Tatum [Seal] _____ [Address]

Johnny Gardnett [Seal] _____ [Address]

Gilda R. Gardnetta [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

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James Fertig [Seal] _____ [Address]

Peggy Fertig [Seal] _____ [Address]

Homer Gridsoff [Seal] _____ [Address]

Bilda L. Gridsoff [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

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7. Added provision: None (State "None" or "See Annex No.____")

Dated this 7th day of October, 1957.

Lennie Fertner	[Seal]		[Address]
Peggy Bethke	[Seal]		[Address]
James Gutschmidt Jr.	[Seal]		[Address]
Bobbie R. Gutschmidt	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

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

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 17 1957

DATE	INITIALS	CODE

October 15, 1957

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Executive Officer, DMEA, Field Team, Region V, Knoxville

Subject: Application from Clifton D. Buchanan, Spruce Pine, N. C.
Waycaster Mine, Mitchell County, North Carolina (Mica)

Enclosed are the original and two copies of the subject application, with one copy of a location map, one copy of the lease, and five copies of the Consent to Lien. The fourth copy of the application is being kept for our use.

Robert A. Laurence

Robert A. Laurence

Enclosures 11

Form MF-103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

Clifton D. Buchanan
Route #1
Spruce Pine, North Carolina

RECEIVED OCT 17 1957 D.M.E.A.

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4853
Date Received: 10/17/57
Government Participation %:
Region: V
Division Code: 600

BUSINESS ORGANIZATION (Check one)

- Individual [X]
- Corporation [ ]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized: N. C.

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Not Applicable		

RECEIVED OCT 14 1957 U.S. Geological Survey Geologic Division Knoxville, Tenn.

Mineral(s) for which you wish to explore: Ruby Mica

Estimated Cost of Project: $ 7100.00

LOCATION OF PROPERTY

Name	County	State
Edward Fortner & Homer Grindstaff	Mitchell	N. C.

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

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.

October 7th, 1957
Dated

Clifton D. Buchanan
BY *(Signature)*

Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work*. Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be perfomed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration proj

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC. WASH. D.C. 15539

1.(a) As shown on attached lease and consent to lien.
(b) Prospect known as Waycaster Mine
(c) Lessee
(d) No liens.

2 (a) Mined to some extent and quite an amount of ruby mica has been taken from this mine in past few years.
(b) This applicant had no interest in previous operations
(c) Do not have avialable records
(d) No records available
(e) Vein deposit
(f) Outcropping of vein which has been worked down to some extent already.
(g) None avialable

3 . (a) Mr. Clifton Buchanan will meet DMEA representative at Spruce Pine, NC
(b) Property located about 6 miles west of Spruce Pine (Govt Depot at Spruce Pine.).

4 (a) Propose two compartment shaft 5 feet by 7 feet to depth of 70 feet and then propose to drift 90 feet with the vein.
(b) Road already extends to project.
(c) Work will start in 15 days and be completed in 7 months thereafter.

5-DMEA already has this record. It consists of many years experience.

6. 70 feet of shafting @ $50 per foot----------$3500.00
90 feet of drifting @ $40 per foot---------- 3600.00

TOTAL----------$7100.00

7 (a) Yes
(b) By money and equipment.

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RECEIVED OCT 17 1957

DATE	INITIALS	CODE

MINING LEASE

RECEIVED
OCT 17 1957
D.M.E.A.

State of North Carolina Mitchell County:

This indenture made this 7 day of October 1957 1958,-

between Ed Fortner and wife Peggy Fortner, Homer Grindstaff and ~~wife~~ Bolda Grindstaff

of Mitchell County and State of North Carolina as party of the first part, and known as lessor s, and Clifton D. Buchanan

of Mitchell County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the parties of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessors, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written to wit:

BEGINNING at a chestnut oak on a ridge, near Emarland Rock, same being located north 60 degrees west 500 feet from chestnut oak (2 oaks corner), C. C. Woody's corner in Low Gap near Emerald Mine (same being corner referred to in deed dated Dec. 10, 1935 and of record in Book 94 of Ddeds at page 264, Mitchell County registry, and runs south 51 west 600 feet to a stake; thence north 39 west 600 feet to a stake; thence north 51 east 600 feet to a stake; thence south 39 east 600 feet to the BEGINNING.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operatins during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have the right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part___ of the first part, or his or their heirs or assigns, a rental royalty of 1/8th on all mica where sold on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the party of the first part or by the continuation of any mining operations then being conducted. The lessor___ reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real estate described and set forth in this lease for a total purchase price of_____, said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor___. The lessee agrees that during the period of this lease or the continuance of this lease work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:

_____

Ed Fortner (Seal)

Peggy Fortner (Seal)

Homer Grindstaff (Seal)

Bolda R. Grindstaff (SEAL)

NORTH CAROLINA

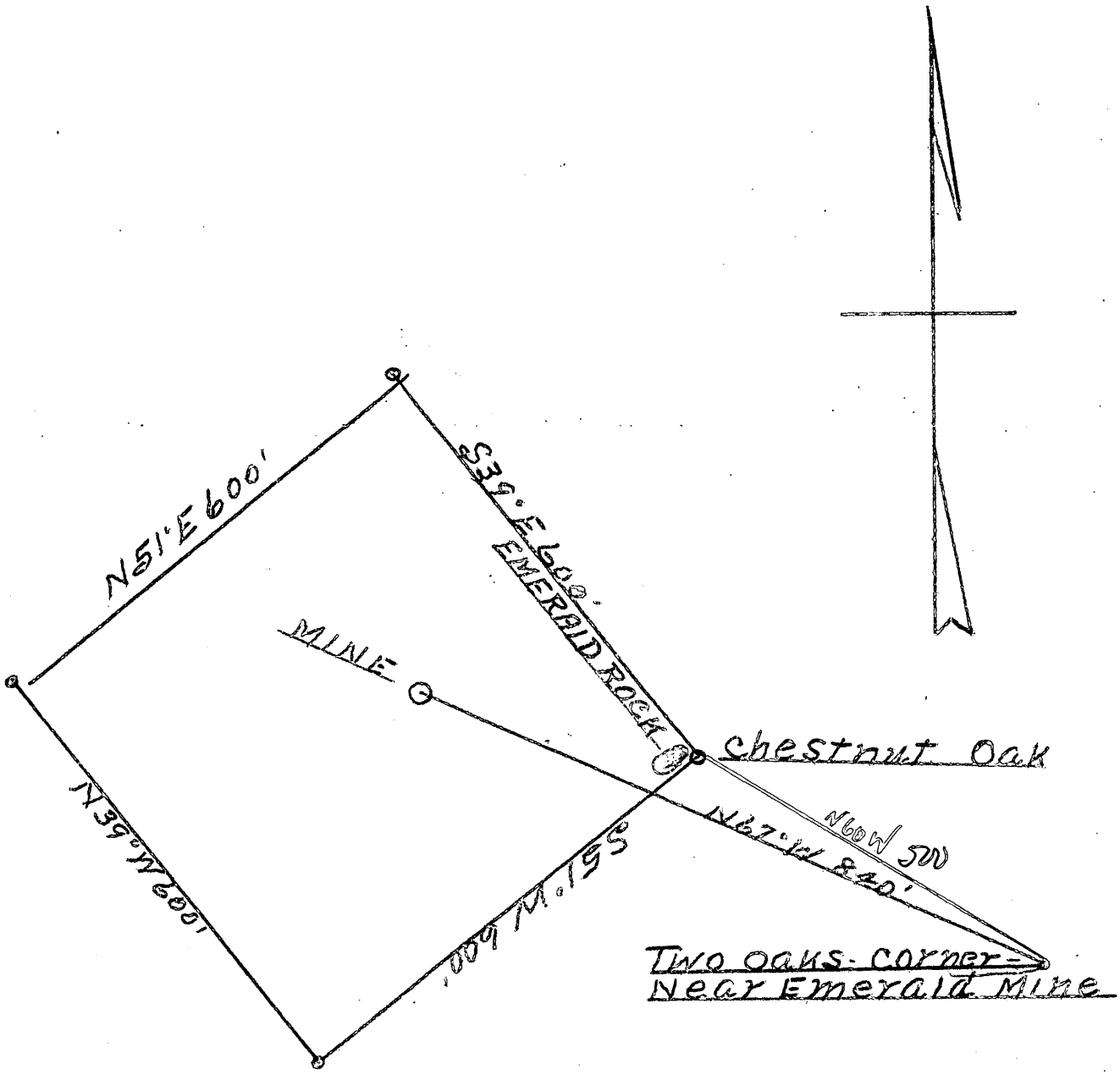
MITCHELL COUNTY

I, Clyde Pritchard, Notary Public, do hereby certify that Ed Fortner and wife Peggy Fortner and Homer Grindstaff and wife _____ Grindstaff personally appeared before me this date and acknowledged the due execution by them of the foregojng LEASE for the uses and purposes therein expressed.

Witness my hand and notarial seal this the 7th day of October 1957.

Clyde Pritchard
Notary Public

My commission expires: 3/9/59



FOR
CLIFTON BUCHANAN
SCALE - 1" = 200
JULY 11, 1957
BY S.G. HALL

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DMEA
RECEIVED OCT 17 1957

DATE	NOTE	CODE

U. S. Government Messenger Envelope

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Mr Cady ~~2655 Int~~	RUN / STOP		RUN / STOP
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DMEA Form 7
(12-56)

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Date	Surname	Code
1/3	Anderson	600
1/3	Selfridge	130
1/3	Jones	130
1/3	Kiilsgaard	130
	Absent	110
3	Mittendorf	100
		220

600

JAN 6 1958

Mr. Clifton D. Buchanan
Route #1
Spruce Pine, North Carolina

Re: Docket No. DMEA-4853-Mica
Clifton D. Buchanan
Waycaster Mine
Mitchell County, North Carolina

Dear Mr. Buchanan:

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 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 (for)
Administrator

WCAnderson:rsi 1/3/58
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/3	Anderson	600
		100
		220

600

January 3, 1958

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: W. C. Anderson, Acting Director, Division of Nonmetallic Minerals

Subject: Evaluation of application and field examination report.
Docket No. DMEA-4853-Mica
Clifton D. Buchanan
Waycaster Mine
Mitchell County, North Carolina

Denial of application is recommended.

Mica: Most of books are small and many are badly ruled.

Pegmatite: 1 to 2 feet thick, conformable to country rock, irregular, poorly zoned.

Workings: Flask-shaped open cut 70 feet long by 35 feet wide and 20 feet deep.

Past Production: No records available.

Applicant's Proposal: 70 feet of shaft and 90 feet of drift, for which he requests $7100.

Comments: Workings are caved making adequate inspection difficult. Field Examiner's say that from what is exposed, it is impossible to designate a target for exploration, and unlikely that a target exists.

Recommendations: The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur in the Field Team's recommendation to deny the application.

Walter C. Anderson
Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 1/3/58
Copy to: Admr. R. File
Mr. Houk

8623

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

December 5, 1957

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DATE		CODE
12-9	C	220
12/13	~~2~~	130
12/16	C	220
12/16	Lynch	600

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Examination Report - DMEA-4853 (Mica)
Clifton D. Buchanan, Spruce Pine, North Carolina
Waycaster Mine, Mitchell County, North Carolina

Enclosed are the original and two copies of the examination report on the subject mine.

We recommend denial without prejudice.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch
Member, Bureau of Mines

Enclosures 3

Reviewed by
DMEA OPERATING COMMITTEE
12-13-57
(date)

On-Site Exam Rpt

IN REPLY REFER TO:

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DMEA
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DATE	INITIALS	CODE
12/18	gb	220
12/19	Houk	600

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

December 18, 1957
Re: DMEA 4853
Clifton D. Buchanan
Waycaster Mine
Mitchell County, N.C.
Mica

Memorandum

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

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

Subject: Review of Field Team Report

The applicant requested assistance in continuing the exploration of a pegmatite on which considerable work has been done.

The examiners conclude the strategic mica potential of the pegmatite, judging by exposures and production history, is small and they recommend denial without prejudice of the application.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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

December 5, 1957

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DATE		CODE
12-9	C	220
12/13	~~2~~	130
12/16	C	220
12/16	2 Lynch	600

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Examination Report - DMEA-4853 (Mica)
Clifton D. Buchanan, Spruce Pine, North Carolina
Waycaster Mine, Mitchell County, North Carolina

Enclosed are the original and two copies of the examination report on the subject mine.

We recommend denial without prejudice.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch
Member, Bureau of Mines

Enclosures 3

Reviewed by
DMEA OPERATING COMMITTEE
12-13-57
(date)

On-Site Exam Rpt

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12/13 HB 130
220

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

DMEA-4853 (mica) WAYCASTER MINE
Mitchell County, North Carolina

R. A. Laurence, Geologist
U. S. Geological Survey

and

S. A. Feitler, Mining Engineer
U. S. Bureau of Mines

December 5, 1957

Reviewed by
DMEA OPERATING COMMITTEE
12-13-57
(date)

FIELD EXAMINATION REPORT

DMEA-4853 (mica) WAYCASTER MINE
Mitchell County, North Carolina

Applicant: Clifton D. Buchanan, Spruce Pine, North Carolina

SUMMARY

An irregular, poorly zoned pegmatite containing small books of green mica is poorly exposed in old workings for which no records are available. Denial is recommended. Although the visible evidence does not suggest that it would be worth the cost, re-examination would be desirable if the old pits are cleaned out to expose the pegmatite at the last places worked.

INTRODUCTION

Examination

The examiners spent the morning of November 28, 1957 on the property, accompanied by the Applicant, Clifton D. Buchanan.

Location

The Waycaster mine is in Grassy Creek township, Mitchell County, North Carolina, 4.1 airline miles S. 47° W. from Spruce Pine, North Carolina. It is at the extreme northwest corner of the Wood Mountain (1:24,000) quadrangle, at an altitude of approximately 3600 feet. It is designated as no. 315 (Self Mine), on the map accompanying USGS Bulletin 936-A.

Access to the mine is as follows: Take U. S. Highway 19-E from Spruce Pine to Estatoe, and turn south on Brush Creek Road, as follows:

0.0 Intersection, US 19E and Brush Creek Road.

0.6 Emerald Lake.

0.7 Turn left at mail box, on Jeep road.

2.1 "Big Turn", i.e., junction of new Jeep road with old road from Brush Creek, as shown on topographic map.

3.0 Side road to Emerald Mine.

3.2 Waycaster Mine

The access road is in good condition from Jeep travel at all seasons.

Competence of Applicant

The Applicant has successfully completed DMEA projects, and is financially able to do the proposed work. He operates a general store on Highway U. S. 19-E near Estatoe.

Applicant's property rights

The Applicant has a lease from the owners of the mineral rights, Messrs. Grindstaff and Fortner. If needed, he will provide a map showing the metes and bounds of the entire tract, of which the proposed contract area is a part.

The surface is owned by the Applicant's father-in-law, Mr. C. C. Woody.

Description of Property

There are no facilities on the property. Workings consist of a flask-shaped open cut 70 feet long, with a maximum width of 35 feet and maximum exposed depth of about 20 feet; a caved adit and three small prospect pits. The Applicant's brother, who worked in the mine, says that the open cut was worked below the adit level and that a hoist was located in the adit to raise the muck. At present, muck fills the bottom of the pit to about the level of the caved adit, so that the actual depth of the pit can not be determined.

GEOLOGY

Because of poor exposures, little direct information could be obtained. The pegmatite is conformable to the country rock and strikes north-northwesterly, with a northeasterly dip. It has a wide bulge at a bend in the strike, the bulge plunging steeply about S. 75° W. This bulge appears to

have contained the principal mica-bearing zone. What can be seen of it now is a mass of small (2" or less) books of green mica, with some books up to 5 inches. Many of the books are intergrown, and the mica in the larger books contains much "A", ruled and wavy mica.

The following description is taken from the manuscript of the unpublished USGS Blue Ridge mica professional paper, and is based on observations made during World War II:

> "Mining was done in a pegmatite sill that strikes N. 65° W. and dips 70° NE., in feldspathic hornblende gneiss and garnetiferous biotite gneiss. As traced westward, both pegmatite and country rock bend to the north, and beyond the bend they appear to strike N. 30° W. The workings include an incline and a tunnel that connects it with a point on the hillside to the south. The deposit is 1 to 2 feet thick and consists of plagioclase, quartz and muscovite, with accessory tourmaline and garnet. It appears to contain much digested country-rock material. The mica is most abundant at the bend in the deposit. It is clear and very pale green in color. Most of the books are small and many are badly ruled."

Our examination confirms these earlier observations, and adds very little to them. There is now an unsafe mass of country rock overhanging the east side of the main pit.

Past Operation

Little can be learned of past operations. The Applicant says his father did most of the work, 25 or 30 years ago. No production records are available to us. Apparently no mining was done during the "Colonial Period".

The Applicant reports that, in 1956, Spurgeon Buchanan recovered some mica from the extreme north end of the "neck" of the flask-shaped pit. This was sold to Mr. Ed Young of Newdale, North Carolina for $100, but the quantity is not known. The Applicant said that the GSA depot purchased it from Mr. Young as ruby mica, when added to other lots.

Applicant's Proposal

The Applicant's proposal was to sink an inclined shaft down the plunge of the "bulge" and drift from the bottom of the shaft. Considerable rehabilitation of the cut wall as well as muck removal from the pit, would have to precede such work.

CONCLUSIONS AND RECOMMENDATIONS

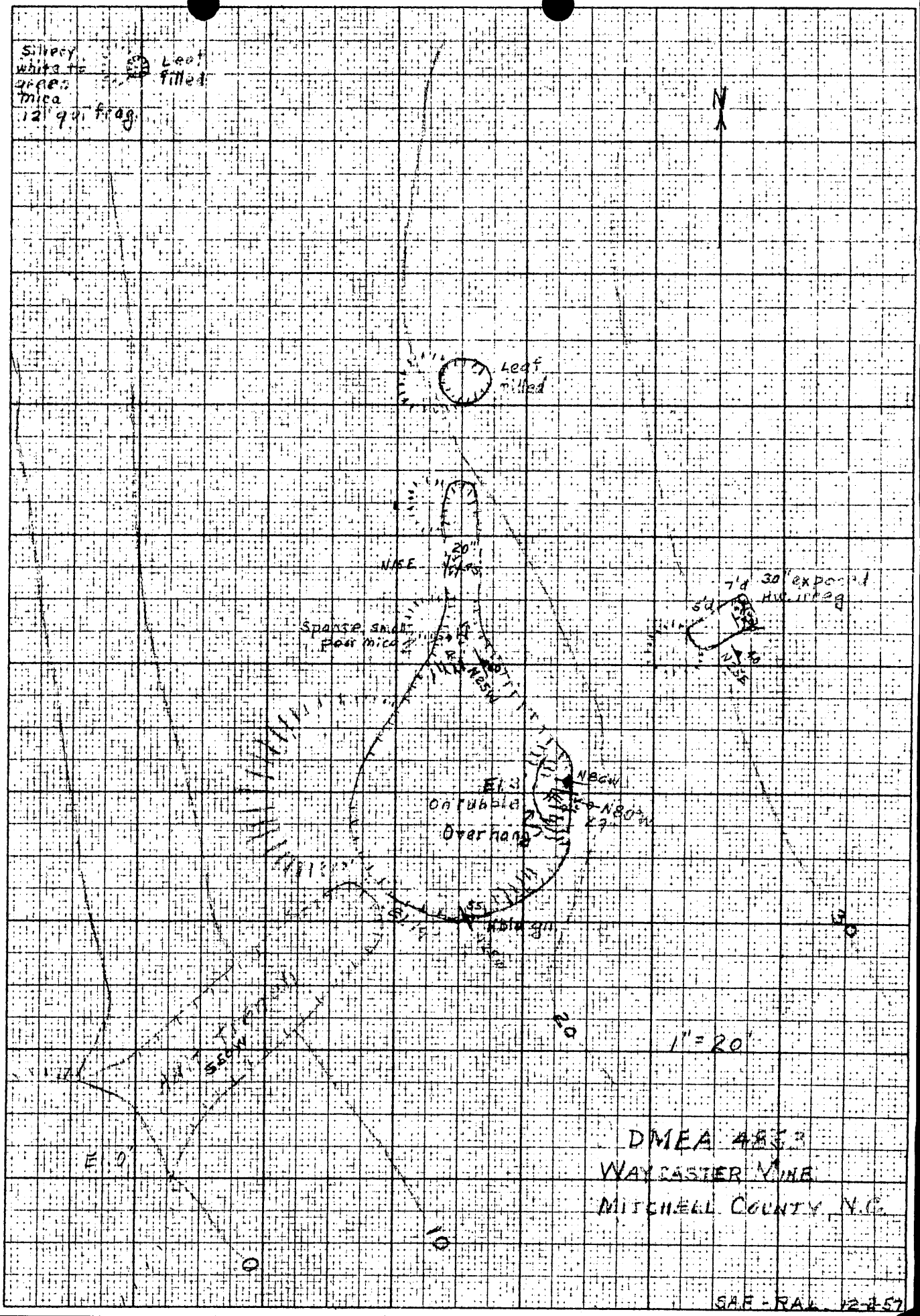
It appears to us that this mine did not produce a very high quality mica, that the productive zone was limited in extent, and may well have been worked out. Based on what is now exposed, it is impossible to designate a target for exploration. It is unlikely that a target exists.

However, if the muck were removed from the pit floor, so as to expose the pegmatite at the bottom of the old workings, it might be possible to suggest some exploration, but we do not think it sufficiently promising to encourage the Applicant to go to this expense.

We recommend denial without prejudice.

R. A. Laurence, Geologist
U. S. Geological Survey

S. A. Feitler, Mining Engineer
U. S. Bureau of Mines



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DMEA Form 7
(12-56)

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Date	Surname	Code
11/1	Anderson	600
11/4	Houk	600
11/4	Selbridge	130
11/4	Joyce	130
11/4	Kiilsgaard	130
		~~110~~
		~~100~~
11/5	C	220
		600

600

NOV 4 1957

Mr. Clifton D. Buchanan
Route #1
Spruce Pine, North Carolina

Re: Docket No. DMEA-4853-Mica
Clifton D. Buchanan
Waycaster Mine
Mitchell County, North Carolina

Dear Mr. Buchanan:

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, 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 you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

Frank E. Johnson (for)

ACTING Administrator

WCAnderson:gad 11/1/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
11/1	Anderson	600
11/4	Houk	600
11/4	GCS	130
"	Johnson	110
		~~100~~
		220

600

NOV 4 1957

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

Re: Docket No. DMEA-4853-Mica
Clifton D. Buchanan
Waycaster 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 dated October 22 and 25, 1957, by Mr. W. P. Williams, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

P. F. Yopes (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

WCAnderson:gad 11/1/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Enclosures 5

8623

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

October 25, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4853 (mica)

Applicant: Clifton D. Buchanan

Name and Location of Property: Waycaster Mine, Mitchell County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/22/57

Comments:

1. Applicant states this prospect has been mined before but no production records are available.

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.

DMEA
RECEIVED OCT 28

DATE	INITIALS	CODE
10 28	C	220
10/30	WRA	600

W. F. Dietrich

W. F. Dietrich

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

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DMEA
IN REPLY REFER TO:
RECEIVED OCT 23 1957

DATE	INITIALS	CODE
10/23	gb	220
10/23	[illegible]	600

Memorandum

October 22, 1957

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4853 (mica), C. D. Buchanan, Waycaster mine, Mitchell County, North Carolina.

The applicant proposes to explore for ruby mica on a property known as the Waycaster mine. The applicant does not have records of past production from the mine but states that "quite an amount of ruby mica has been taken from this mine in past few years."

The proposed project would consist of sinking 70 feet of shaft, then driving 90 feet of drift. Total estimated cost of the project is $7,100.

As I have no late, specific information about the property, I recommend that the proposed project be evaluated by the Field Team through field examination.

W. P. Williams

W. P. Williams

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

October 17, 1957

Mr. Clifton D. Buchanan
Route #1
Spruce Pine, North Carolina

Subject: DMEA-4853

Dear Mr. Buchanan

Your application for exploration assistance, dated October 7, 1957 submitted to our office at Knoxville, Tennessee has been assigned Docket Number DMEA-4853 and referred to the Nonmetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region V