DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 3442

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Exploration Assistance

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Cys to USBM & USGS

Routing Slip

To:	600	Date	8/11/54
To:	Oper Com	Date	8-27-54
To:	Oper Com	Date	2-17-55
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CONTROLLED DOCUMENT

DOCKET COPY
Surname:
Anderson
Houk
Hedges
Kulsgaard
Selfridge
Johnson

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

MAR 17 1955

Bennett & Young

Burnsville, North Carolina

Re: Docket No. DMEA-3442 - Mica
Bennett & Young
Old Green Mountain Mine
Yancey County, North Carolina

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington relating to the above-named property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:ad 3/14/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.S.

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

March 17, 1955

Memorandum

To: The Files

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report

Docket No. DMEA-3442 - Mica
Bennett and Young
Old Green Mountain Mine
Yancey County, North Carolina

Mica - Ruby to rum colored, uniformly distributed throughout deposit.
Size - average books 3 by 5 inches, maxiumu 4 by 6 inches.
Quality - Hard, flat and free splitting - Small percentage contains light speckled mineral stains. "A" structure is common. Chief defect-ruling.

Pegmatite - A pegmatite 860 feet long strikes N 15° E across three properties known as the Green Mountain Group of mines. It is in the form of a series of connecting pods and stringers. Maximum thickness 3½ feet and pinching between the pods to barely traceable stringers. Pegmatite is parallel to strike of foliation of country rock, dipping 57° east, crosscutting the foliation down the dip at a very gentle angle.

Old workings - The middle of the three properties has been worked for several years over a strike length of 300 feet and to an average depth of approximately 56 feet, is presently being mined and has produced $45,000 worth of mica. Adjoining this property to the northeast is the property under consideration. Workings on this property over a distance of 430 feet on the pegmatite include one 70 foot incline, one 75 foot incline, a trench 95 feet long by 10 to 20 feet deep, a trench 130 feet long by 10 feet deep, a trench 120 feet long by 10 feet deep and some drifting. The inclines and the drifts are in an unsafe condition. No record of mica production is available.

Method of exploring - It is proposed by the Field Team and the applicant to drive a 150 foot drift northeastward in the pegmatite zone from the north end of the lowest trench. The unexplored block is triangular in shape, ranging from about 5 feet below the old workings at the beginning to 30 feet at the end of the drift.

Economics - In the adjoining mine where the mined out portion extends over a length of 300 feet and averages about 56 feet in depth, the drift advance will amount to approximately 2,400 feet. Value of mica production amounted to $45,000, resulting in a dollar value return of approximately $20 per foot. Based on Field Team report, it is assumed that this dollar value return will prevail in the property under consideration, in which case 150 feet of drifting will return $3,000 worth of mica, Government's return amounting to 5% or $150. In the pillar above the drift an additional $5,000 worth of mica may be produced, Government's share being $250, or a total of $400. It is our opinion that this type of drifting is for production and not exploration and therefore recommend that the application be denied.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 15, POST OFFICE BLDG.
WASHINGTON
KNOXVILLE 2, TENN.

February 24, 1955

Memorandum

To: Operating Committee, DMEA- Washington

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

Subject: DMEA-3442 (mica), Bennett & Young. Old Green Mt. Mine. Yancey County, N. C.

Reference is made to your letter of February 21, concerning the subject application.

We have no additional information which is not contained in the field examination report. It is our opinion, as expressed in the report, that the target was sufficiently attractive to justify the work outlined, but if review by the commodity specialists indicates otherwise, we have no objection to the denial of the application.

Robert A. Laurence

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch

V. J. Lynch
U. S. Bureau of Mines

Docket Copy
Surname:
Anderson
Houk
Martin
Kilsgaard

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

600

FEB 21 1955

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

Subject: Docket No. DMEA-3442 - Mica
Bennett & Young
Old Green Mountain Mine
Yancey County, North Carolina

Dear Mr. Laurence:

Reference is made to the Field Team examination report of September 14, 1954, concerning the subject property.

The Field Team recommends a contract to explore a block of ground below the old workings of the Old Green Mountain Mine by driving 150 feet of drift in a northeasterly direction from a 20-foot deep cut. We are inclined to deny the application, since most of such projects in the past have been disappointing and in this particular case the target seems sufficiently limited to not warrant 150 feet of drifting at $35.00 per foot.

Action on the subject application will not be taken until we hear from you again. Possibly the Field Team has information not contained in the report that will enable us to make a better evaluation of the project.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

WCAnderson:gad 2/17/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

A.C.L.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 27 1955

Jan, 25th, 1955.

Bennett and Young
Burnsville, N.C.

Att; Mr. Yates Bennett;

Re- Docket No.DMEA-3442-Mica
Bennett and Young
Old Green Mountain Mine
Yancey County, N.C.

Dear sir;

Since reading the letter you received from DMEA dated Jan,5th, 1955, regarding you furnishing the Owner's consent to Lien for this mine will say that I own this mica mine together with the Deyton Heirs, one of them lives in Knoxville, Tenn. and the other one lives I think in the state of Washington.

Me and my wife signed six copies of the Owner's Consent to Lien sometime in the year 1954 and they were sent on to the Deyton's for them to sign. It seems like they have an attorney who does not fully understand what this Lien means and he has held up this loan application by not having them complete the signing of same.

This letter is to notify you that me and my wife will sign this Owner's Consent of Lien at any time you present same to us, I think that this will be sufficient for you to go ahead with the loan and get it approved and start work in the mine, I can see no reason why this mine should not be worked just because the Deyton's have not signed this Lien.

The Deyton's are not familiar with such matters as this and it seems like their attorney is not familiar with same.

I hope that this letter from me will be enough to have the DMEA go ahead with this loan and grant same to you and Young. If there is any thing more you need in order to get the loan approved I will be more than glad to furnish same.

Yours truly,
E.L.Briggs and wife Eleise Briggs

C.C.
DMEA Office
Washington 25, D.C.

COPY

Docket Copy
Surname:
Vaule

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

600

JAN - 5 1955

Bennett & Young

Burnsville, North Carolina

Re: Docket No. DMEA-3442 - Mica
Bennett & Young
Old Green Mountain Mine
Yancey County, North Carolina

Gentlemen:

On October 12, 1954, we wrote you a letter requesting that you furnish this office with six copies of the executed Owner's Consent to Lien or if these are not obtainable to forward a written refusal with reasons by the owners. To date we have not had an answer to our letter and we assume that you no longer desire to proceed with the application.

We wish to cooperate with you in the matter of allowing ample time but if the needed data have not been received by February 10, 1955, we will then remove the application from the active file and consider the matter closed.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

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

R.C.B.

Docket Copy
Surname:
Houk

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

OCT 12 1954

Bennett & Young

Burnsville, North Carolina

Re: Docket No. DMEA-3442 - Mica
Old Green Mountain Mine
Yancey County, North Carolina

Gentlemen:

Reference is made to our letter, dated August 27, 1954, requesting six copies of the Owner's Consent to Lien.

Instead of securing an Owner's Consent to Lien as requested, you have furnished financial statements and state you are willing to sign a guarantee. Please be advised that in case of a lessee, an Owner's Consent to Lien is necessary to protect the Government's interest. Satisfactory financial position and guarantee are acceptable only when supported by evidence that a diligent effort to secure an Owner's Consent to Lien has been made, and a written refusal with reasons has been submitted by the owners.

Processing of your application will be held in abeyance until either the six copies of the executed Owner's Consent to Lien are forwarded or a written refusal is received.

Sincerely yours,

C. O. Mittendorf

Administrator

LGHouk:gad 10/11/54
Copy to: Admr. R. File
Docket
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5227
Mr. Houk

R.C.B.

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

October 6, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Docket No. DMEA-3442 - Mica
Bennett & Young
Old Green Mountain Mine
Yancey County, North Carolina

A contract for exploration at the subject mine has been recommended by the Field Team. The Nonmetallic Minerals Division concurs.

All that is lacking is Owner's Consent to Lien which the Field Team says has not been secured, but instead financial statements have been supplied by both applicants.

In view of the above and since the Field Team states that the applicants have excellent credit, it is recommended that the Owner's Consent to Lien be waived in this case with no performance bond required.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

Attachment;

Waiving of OCL must be supported by evidence that this document can not be obtained. - Evidence would be written refusal of owner to furnish OCL. Every effort should be made to obtain OCL. Satisfactory financial position and guarantee are not adequate for OCL, but are acceptable only in unusual cases, preferably with respect to state & Indian lands. FG

Oct. 6, 1954

Mr. Houk:

Do we have any proof that OCL not obtainable?

COM

Waiving of OCL must be supported by evidence that this document cannot be obtained. Evidence would be written refusal of owner to furnish OCL. Every effort should be made to obtain OCL.

Satisfactory financial position and guarantee are not alternat~~ing~~es for OCL, but are acceptable only in unusual cases, principally with respect to state and Indian lands.

FEJ

DEFENSE MINERALS ADMINISTRATION

97022

PRODUCTION EXPANSION DIVISION

EXPLORATION LOANS

Name of Company and Address: _____

Name of Mine and Location _____

Docket No. D.M.A. _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Amount of Total Project: _____

Government participation, percent and amount _____

Number of subprojects in total application _____

Type of Exploration	Feet	Cost per foot	Total cost
Preparatory & Rehabilitation			
Equipment			
Shaft sinking & winzes			
Drifts and crosscuts			
Raises			
Diamond or churn drilling			
Other			

Comments on Contract _____

_____

_____

_____

Date sent to Applicant for signature _____

Date returned to P.E.D. _____

Date sent to Legal _____

Date signed by Administrator _____

Additional remarks: _____

_____

_____

Interior—Duplicating Section, Washington, D. C.

Signed _____

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

Defense Minerals Administration
RECEIVED
SEP 29 1954

September 28, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-3442 (mica)

Applicant: Bennett and Young

Name and Location of Property: Old Green Mountain Mine
Yancey County, North Carolina

Date of Field Team Report: September 15, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: September 24, 1954

Field Team Recommendation:

1. Approval of a contract for exploration.

Comments:

1. The field examiners are of the opinion that an exploration project is justified.

2. Proposed exploration is consistent with good engineering practices and the cost on a unit-cost basis is in line with other DMEA projects in this area.

Recommendation:

I concur in the field team's recommendation for an exploration project in the amount of $5,463.

Donald R. Irving

Donald R. Irving

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
SEP 27 1954

September 24, 1954

Re: DMEA-3442
Old Green Mt. Mine
Yancey Co., N. C.
$5,463 - Mica

Memorandum

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

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

Subject: Review of Field Team report

The applicant requested assistance to drive a 100-foot drift northerly under old, shallow workings.

The Field Team has recommended a 150-foot exploration drift be approved.

There is a good chance that the high grade mica found in the middle workings will extend northward along strike and possibly downdip. Mica is uniformly distributed even where the pegmatite thickens or thins. The high quality of the mica and the continuity of this material along the strike indicate that a significant discovery will probably be made both on the DMEA-3443 project and on this drift under the old near surface workings.

I recommend the Field Team's proposal be followed.

E. L. Newcomb

E. L. Newcomb

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

September 15, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII - Knoxville, Tennessee

Subject: Field Examination Reports -- Old Green Mountain Mine
DMEA-3442, Y ates Bennett & Grady Young (mica)
DMEA-3443, Charles Hyatt. Green Mountain Mine (mica)

Enclosed are four copies of each of the subject reports, and six extra maps of each.

These two properties are on the same pegmatite, but are separated by another property not involved in either application, as shown on the maps.

Indications of probability of discovering additional mica deposits at both places are sufficiently good to justify exploratory work, and we recommend approval of contracts as outlined in the reports.

Financial statement of Charles Hyatt is attached to original of the DMEA-3443 report.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

Reviewed by
DMEA OPERATING COMMITTEE
9/24/54
(date)

SEP 17 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION, REGION VII

EXAMINATION REPORT BY FIELD TEAM

ON

DMEA-3442, OLD GREEN MOUNTAIN MINE
(mica)
Y ancey County, North Carolina

By

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

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

Sept. 14, 1954

Reviewed by
DMEA OPERATING COMMITTEE
9/24/54
(date)

EXAMINATION REPORT BY FIELD TEAM
On
DMEA-342, OLD GREEN MOUNTAIN MINE (mica)

SEP 17 1954

Applicant: Yates Bennett and Grady Young, c/o Yates Bennett, Burnsville, N. C.

This application concerns the northeastern (older part) of the Green Mountain pegmatite. There appears to be excellent possibilities for the discovery of a mineable deposit of strategic mica in the area covered by the application. Exploration assistance is recommended.

The property was examined on September 10, 1954. Messrs. Yates Bennett, Grady Young and Charles Hyatt accompanied the examiners on the inspection which required two hours.

The Old Green Mountain mine is on the steep west slope of Green Mountain at an altitude of approximately 4000 feet. It is 3.8 miles north of Windom at the end of Shoal Creek road and approximately 6 miles by road northeast of Burnsville, Yancey County, N. C. Access is good at all times.

Both applicants have had considerable mica mining experience and are competent to conduct the proposed exploration. The applicants hold the property by lease, area of which is adequate for the proposed project. They have not secured an Owner's Consent to Lien, but instead have supplied financial statements and are willing to sign a guarantee. Both applicants have excellent credit.

This property has been worked by a series of shallow trenches, open cuts, adits, and by two inclines, each about 75 feet deep. Reports indicate that depth of old workings more or less follow the slope of the hill - side. A partly caved 75 foot incline, located about 250 feet northeast of the southwest boundary of the lease is reported to have been the discovery locality for the Green Mountain pegmatite. The two inclines, both of which are unsafe, and one short adit expose rock in place. Extent of stopes from the inclines is unknown. The new workings southwest of the area under consideration has been worked to a maximum depth of 130 feet.

The country rock at the Green Mountain Mine is a medium-grained biotite gneiss. Its foliation has an unusually uniform strike of N. 15° E., and a dip of 63° east. At its contact with the pegmatite, and within a few tens of feet of the contact, the gneiss has been impregnated with feldspar and quartz. Feldspar and quartz stringers, ranging from a fraction of an inch to 4 feet in thickness are conformable with the foliation of the gneiss and flank the pegmatite bodies. These stringers are strikingly continuous along both their strike and dip. All rock is unweathered.

The mica-bearing bodies constitute a discontinuous "pinching and swelling" pegmatite dike. The dike is parallel to the strike of the foliation of the country rock and dips 57° east, crosscutting the foliation down the dip at a very gentle angle. It ranges from 3 1/2 feet at its thickest part to barely traceable stringers between the "swelling." At irregular intervals the dike pinches out but swells again a few feet farther

along the strike or down the dip. Contacts between pegmatite and country rock are sharp. Inclusions of gneiss in the pegmatite are not common. In the main stope, now being worked, the dike increases in thickness down the dip.

The pegmatite is a medium to coarse-grained aggregate of oligoclase, quartz, and muscovite, with minor microcline, pyrrhotite, garnet, beryl, and apatite. In general, the grain size of the rock increases with increase in the thickness of the dike. Oligoclase occurs as euhedral to subhedral crystals ranging from a fraction of an inch to 5 inches in diameter, and is white to pale gray in color. The quartz is milky to light gray in color, and is subhedral to anhedral. Pale pink and light gray perthitic microcline is uncommon. Well-formed euhedra of spessartite garnet some as such as 1/2 inch across are abundant throughout the pegmatite.

The mica in the Green Mountain pegmatite is a ruby to rum muscovite. Books as large as 4 x 6 inches are common, but the average size is about 3 x 5 inches. The mica is hard, flat, and free-splitting. A small percentage of it contains light speckled mineral staining. "A" structure is common. The chief defect is ruling. A few books contain triangular and hexagonal inclusions of biotite.

The mica appears to be distributed uniformly throughout the thick and thin portions of the dike. Although the concentration of mica within any given portion of the dike is not strong, the percentage yeild of sheet is high.

The continuity of the pinching and swelling pegmatite bodies along the strike suggests that there is a somewhat similar continuity down the dip. Such a condition would give the Green Mountain mine substantial reserves of mica.

History of workings of this portion of the Green Mountain pegmatite is not known. Reports suggest that the pggmatite was discovered in the 1880's and worked intermittently since that date. No work has been done on the area under consideration within the past 20 years.

The middle portion of the area is presently being mined. It was also worked during World War II when 6938 pounds of mica was sold to the Colonial Mica Corporation for $32,905.00. During the past few years approximately $15,000 worth of mica has been sold from work in the middle portion.

The applicant proposes to drive a drift northeast along the pegmatite zone. This proposal seems to be the logical approach as it will be in a block of unexplored rock under existing workings, be in unweathered rock, and allow natural drainage.

The field examiners recommend the following exploration program: Prepare portal and dump site, construct tool house and magazines, drive 150 feet of drift.

Estimated Costs are as follows:

Prepare portal and dump site (removal of 300 cu. yds. of loose mat'l)		
Bulldozer, 10 hrs. @ $10/hr.		$100.00
Construct 10' x 12' tool house		75.00
Construct powder magazine		25.00
Construct exploder magazine		13.00
Drive 150 feet of drift (60 shifts)		
Labor:		
1 - miner @ $1.50/hr.	$720.00	
1 - miner-helper @ $1.25/hr	600.00	
2 - muckers @ $1.00/hr	960.00	
Equipment (rental)		
Compressor, drill, jack leg, @ $240/Mo.	720.00	
Fan @ $20/Mo.	60.00	
Supplies:		
Explosives	450.00	
Gasoline and oil	300.00	
Rail, etc, 200 ft. @ $1.00/ft.	200.00	
Pipe, airline, etc.	100.00	
Drill steel (carbide bits)	300.00	
Mine car, small tools --	200.00	
Miscellaneous	250.00	
Insurance, Social Security, etc.	390.00	5,250.00
Estimated Total cost.....		$5,463.00

Sept. 14, 1954.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
WASHINGTON 25, D.C.
KNOXVILLE 2, TENN.

August

September 1, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: DMEA-3442 (mica) Financial Statement of Applicants

Enclosed herewith are the financial statements of Yates R. Bennett and John Grady Young, which they are submitting because Owner's Consent to Lien on the Property is unobtainable.

Robert A. Laurence
R. A. Laurence, Executive Officer
DMEA - Region VII

August

September 1, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: DMEA-3442 (mica) Financial Statement of Applicants

Enclosed herewith are the financial statements of Yates R. Bennett and John Grady Young, which they are submitting because Owner's Consent to Lien on the Property is unobtainable.

R. A. Laurence, Executive Officer
DMEA - Region VII

ZM

TO WHOM IT MAY CONCERN

INDIVIDUAL

FINANCIAL STATEMENT
TO THE NORTHWESTERN BANK
BURNSVILLE, N. C.

Name Yates R. Bennett

Address Burnsville, N. C.

Business Miner

To obtain credit from time to time furnish the following, which declare to be true and accurate statement of our financial condition on the 28 day of August 1954

RESOURCES:

Cash on hand and in bank	300	00
Money due me	1800	00
Bonds and stocks		
Real estate	15000	00
Personal properties	5000	00
Automobiles	3000	00
Other assets	10000	00

Total assets $ 35100.00

LIABILITIES:

Accounts payable		
Notes payable	4000	00
Loans from banks		
Mortgages on real estate		
Loans from friends or relatives		
Other obligations	2000	00

The above statement is correct and true and is made for the Northwestern Bank, at Burnsville, N. C., for its better information in extending loans on my paper or discounting paper bearing my endorsement.

Total obligations $ 6000.00

Net worth - $ 29100.00

DATED Aug. 28, 1954

Yates R. Bennett

Signature.

TO WHOM IT MAY CONCERN

INDIVIDUAL

FINANCIAL STATEMENT
TO THE NORTHWESTERN BANK
BURNSVILLE, N. C.

Name John Grady Young

Address Burnsville, N. C. Rt.#2

Business Mica Mining

To obtain credit from time to time furnish the following, which declare to be true and accurate statement of our financial condition on the 28 day of August 1954

RESOURCES:

Cash on hand and in bank	200	00
Money due me	1500	00
Bonds and stocks		
Real estate	15000	00
Personal properties	8000	00
Automobiles	500	00
Other assets	1000	00

Total assets $ 26,200.00

LIABILITIES:

Accounts payable	1000	00
Notes payable	600	00
Loans from banks		
Mortgages on real estate		
Loans from friends or relatives		
Other obligations		

The above statement is correct and true and is made for the Northwestern Bank, at Burnsville, N. C., for its better information in extending loans on my paper or discounting paper bearing my endorsement.

Total obligations $ 1600.00

Net worth - $ 24600.00

DATED Aug. 28, 1954

John Grady Young
Signature.

Docket Copy
Surname
Anderson
Houk
Martin
J E Johnson

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

AUG 27 1954

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

Subject: Docket No. DMEA-3442 - Mica
Bennett & Young
Old Green Mountain Mine
Yancey 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 August 12, 1954, and from the Bureau of Mines, dated August 23, 1954, are enclosed for your information.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (JHB)

Approved:

J. H. Hedges (JHB)
Member, Bureau of Mines

S/Thor N. Kiilsgaard
Member, Geological Survey (JHB)

Enclosures 4

WCAnderson:gad 8/27/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5227
Mr. Houk

R.G.S.

Docket Copy
Surname:
Anderson
Houk
Martin
Kiilsgaard
Hedges
H Johnson

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

AUG 27 1954

Bennett & Young

Burnsville, North Carolina

Re: Docket No. DMEA-3442 - Mica
Old Green Mountain Mine
Yancey County, North Carolina

Gentlemen:

Your application for exploration assistance on 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. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

Please execute and return the six copies of the Owner's Consent to Lien forwarded by the Knoxville Office.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance that you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:gad 8/27/54
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5227
Mr. Houk

R.G.L.

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

August 23, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3442 (mica)

Applicant: Bennett & Young

Name and Location of Property: Old Green Mountain
Yancey County, North Carolina

Date Application Rec'd. by Ceramic & Fertilizer Mtls. Br.: August 11, 1954

Comments:

1. Bureau of Mines records show that a monthly average of $1,799 worth of mica was sold to Colonial Mica from subject mine from May-September 1944.
2. Mine located in general area of productive mica mines.
3. The description of this property is similar to the property described in Docket 3443. The field team should contact both parties to determine if the two applications are for the same mine.

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.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

August 12, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3442 (mica)

To: Lawrence G. Houk, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant's name and address: Bennett and Young, Burnsville, N. C.
Name of property: Old Green Mountain Mine
Location of property: Yancey County, North Carolina
Summary of applicant's proposal:

1) "Block" out a road to the project site.
2) "Drive a 100-foot drift under the old workings in order to pick up the pegmatite." (Applicant may mean a 100-foot crosscut adit.)

Sources of information on applicant's property:

1) Refer to my memo of August 12, 1954 on DMEA 3443.
2) Unpublished report in Survey Files by: Irwin, W. P., Green Mountain Mica Mine, Yancey County, N. C., 4 pages and 1 illustration, September 1944.

Comments: Apparently DMEA 3442 and 3443 are both for the Green Mountain Mine. 3443 covers the area most recently mined (the southwest part) and is the area that is mainly discussed in the Irwin report cited above. The older mined area northeast of the newer workings, is mentioned in the Irwin report. He says that "Backfill and caved ground have made the old workings inaccessible, but they appear to be similar to the new workings."

I note that the DMEA 3443 and 3442 applications were apparently typed by the same person.

RECOMMENDATION: Refer to Field Team.

Bob Trace
R. D. Trace

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

August 11, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region VII.

DMEA - 3442 Bennett & Young

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

August 11, 1954

Bennett & Young
Burnsville
North Carolina

Subject: DMEA-3442
Re: Exploration Assistance
Old Green Mountain Mine

Gentlemen:

The receipt of your application dated (undated) for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3442 and referred to the Non-Metallic Minerals Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

August 9, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region VII

Subject: Application on: Old Green Mountain Mine; and Green Mountain Mine.
Yancey County, North Carolina

Transmitted herewith are three copies each of applications for the subject mines, which were received in this office today, together with leases on each property and a single sheet showing a plat of the two properties.

Charles Hyatt is the applicant on the Old Green Mountain mine and Y ates Bennett and Grady Young as a partnership, are the applicants on the Green Mountain Mine located on Shoal Creek.

We have sent Yates Bennett copies of form MF-203 (Rev. July 1, 1954) and requested that he get them signed.

We have retained one copy of each application for our files.

Wm. A. Beck

Wm. A. Beck

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. 3442
Metal or Mineral MICA
Date Received
Estimated Cost $5,500
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: Bennett & Young, Burnsville, 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

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

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

(*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.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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.

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...

Bennett & Young
(Applicant)

By Yates Bennett
Partner

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

BENNETT & YOUNG
BURNSVILLE, N. C.
(Old Green Mountain Mine)

Form MF-103

1. (a) Bennett & Young, Burnsville, N. C.
   (b) Partnership
   (c) Not applicable
   (d) Partnership - Yates R. Bennett, Burnsville, N. C.
   Grady Young, Burnsville, N. C. Rt. 2

2. Complied with

3. (a) See lease and platt attached
   (b) Old Green Mountain Mine
   (c) Lessee
   (d) Copy of the original lease is attached to original copy of MF-103.
   (e) Not applicable
   (f) Not applicable

4. (a) A number of years ago there was a small operation here, but this mine has not been mined in any large manner. During World War Two, an unknown quantity of strategic mica was taken from this mine and was said to have been of very good quality.
   (b) None
   (c) This mine is located in the general area of the Green Mountain Mine which was mined during World War Two. No maps are available. See Platt attached.
   (d) A good road is accessible to within 300 ft. of the mine and it is approximately fifteen miles from the Spruce Pine mica depot also four miles from the town of Burnsville, located on Shoal Creek.
   (e) Manpower, material, supplies, equipment, and power is available.

5. (a) Strategic Mica
   (b) It is proposed to block out a road to the project site and drive a 100 ft. drift under the old workings in order to pick up the pegmatite.
   (c) Work will begin within thirty days and will be completed within three months.
   (d) The partners of this application have had a number of years of mining experience and have available the best miners to operate this mine.

6. (a) None
   (b)

Foreman	50-8 hr. dys. @ 1.50/hr.	$ 600.00
Driller	40-8 hr. dys. @ 1.25/hr.	400.00
2 Muckers	40-8 hr. dys. @ 1.00/hr.	640.00
Hoistman	40-8 hr. dys. @ 1.25/hr.	400.00

BENNETT & YOUNG
BURNSVILLE, N. C.
(Old Green Mountain Mine)

Form MF-103 (page 2)

6. (b)	Carpenter	3-8 hr. dys. @ 1.25/hr.	30.00	
	Laborer	10-8 hr. dys. @ .90/hr.	72.00	
	Engineer	2-dys. @ $25/dy.	50.00	$2,192.00
(c)	Air hose & small tools		200.00	
	Steel (3) sets intrasit		270.00	
	Power		30.00	500.00
(d)	Rented:			
	Air compressor	2 mos. @ 200.00/mo.	400.00	
	Hammer	2 mos. @ 25.00/mo.	150.00	
	Hoist	2 mos. @ 100.00/mo.	200.00	
	Bulldozer with blade	50 hrs. @ 10.00/hr.	500.00	1,250.00
	Purchased:			
	Column & arm		175.00	
	Dynamite & exploders		420.00	595.00
	Furnished by operator:			
	Water pump & pipe	2 mos. @ 10.00/mo.	20.00	
	Fan	2 mos. @ 10.00/mo.	20.00	
	Jeep	2 mos. @ 75.00/mo.	150.00	190.00
(e)	None			
(f)	Tool house (12 x 12) and 2 magazines		250.00	250.00
(g)	Insurance		250.00	
	Payroll taxes (1½% of $2,142.00)		32.13	
	Misc. Gen. Repair, and Maintenance		50.00	332.13
(h)	Contingencies, wiring, fuel, oil & mis. supplies.		190.87	190.87

7. (a) Yes
(b) Money and with use of equipment owned by Bennett & Young.

MINING LEASE

JAMES WENDELL DEYTON,
and others,

OWNERS

to

YATES BENNETT and
GRADY YOUNG

LESSEES

North Carolina,
Yancey County.
Filed for Registration on the 24
day of July 1957 at
10:30 o'clock A.M., and registered
in the Office Register Deeds, and
verified this 24 day of
July 1957 at 11:45
o'clock A.M., in Book 143 of
deeds on page 166 etc.

Evelyn H. Dale
Register of Deeds

THE GREAT STATE OF NORTH CAROLINA, County of Yancey

THIS MINING LEASE made and entered into this 7th day of July 1954 by and between JAMES WENDELL DEYTON and wife, GAYLE DEYTON, of Knoxville, Tennessee, and THOMAS WINTON DEYTON, JR., and wife, NORMA DEYTON, of Tacoma, Washington, and E. L. BRIGGS and wife, ELOISE BRIGGS, of Burnsville, parties of the first part, hereinafter referred to as OWNERS, and YATES BENNETT and GRADY YOUNG of Yancey County, parties of the second part, hereinafter referred to as LESSEES,

W I T N E S S E T H:

That the OWNERS for and in consideration of the performance of the conditions and agreements and the payment of royalties as hereinafter stated, have bargained and leased, and by these presents do bargain, lease and grant unto the LESSEES, their heirs and assigns, for the period of time fixed in paragraph one below, a certain tract of land for mining purposes located in Crabtree Township, Yancey County, North Carolina, on the head waters of Shoal Creek, adjoining the lands of Louis Jones and others, and bounded as follows:

> BEGINNING on a 14" marked oak on top of the mountain in Louis Jones' and Fox's old corner and running thence around the side of the ridge with the old original fence line S. 72-30 E. 200 ft; thence S. 61-00 E. 50 feet; thence S. 43-15 E. 100 ft; thence S. 12-30 E. 100 ft; thence S. 16-00 E. 150 ft; thence S. 0 deg. 45 E. 200 ft; thence S. 10-15E 100 ft; S. 3-45 E. 100 ft; thence S. 3 -00 W. 100 ft; thence S. 2 deg. 30 E. 100 ft; thence S. 8 deg. 15 W. 100 ft; thence S. 2-00 W. 100 ft to a stake on top of the ridge; thence N. 62-30 W. 915 ft. down the hill to a stake in Louis Jones' old line near the old logging trail and about 300 ft. Southwest of the mine shaft; thence N. 29-00 E. 900 ft. up the hill to the old marked oak in the point of BEGINNING, containing 14.3 acres, more or less.
>
> AND BEING a part of the lands in which the above-named Deytons own the surface and one-half (1/2) the mineral interest and described in a deed dated 31 January 1922 from J. E. Fox to T. W. Deyton, which deed is recorded in Yancey County Deed Book 60, page 1.
>
> AND ALSO a part of the lands in which the above-named Briggses own a one-half (1/2) mineral interest and described as the first tract in a deed dated 28 January 1943 from Spruce Pine Mica Company to E. L. Briggs, which deed is recorded in Yancey County Deed Book 90, page 501.

TO HAVE AND TO HOLD the above-described premises for mining purposes unto the LESSEES, their heirs and assigns, for the period of time fixed in paragraph 1 below, upon full compliance with each and all of the following stipulations and agreements:

1. PERIOD OF TIME: This lease shall begin as of 7 July 1954 and shall be and remain in full force and effect for a period of 10 years, ending with 7 July 1964, unless sooner terminated as hereinafter provided.

If the LESSEES should, for any cause whatever, fail for a period of thirty (30) days at any one time after 1 October 1954 to conduct mining operations upon said premises in a workman-like manner, weather permitting using proper and sufficient machinery, tools, equipment and labor, then and in that event this lease shall automatically and immediately terminate and be of no further effect (EXCEPT the LESSEES shall and hereby expressly agree to pay all royalties or amounts due under this lease at the time of such termination) and upon the termination of this lease, the OWNERS shall have the right to re-enter and take possession of the premises without further notice to the LESSEES.

If the LESSEES should fail to pay any royalty at the time payment is due and the OWNERS make specific demand upon the LESSEES for such payment of royalty and the LESSEES fail to make full payment thereof within five (5) days from the date of such demand, then and in that event the OWNERS may declare this lease terminated and of no further force and effect and, upon such termination, the OWNERS shall have a right to re-enter and take possession of the premises without further notice to the LESSEES.

2. MINING RIGHTS: The LESSEES shall have the right to enter upon said premises and search for, dig, quarry, excavate and obtain mica, feldspar and any and all other minerals, and in so doing may use bulldozers and any other equipment, machinery or labor as the LESSEES may elect.

The LESSEES shall have a right to dump waste from said mines onto said premises as may be reasonably necessary in properly conducting mining operations.

The LESSEES shall have a right of ingress and egress over said premises and over other nearby lands of the OWNERS so as to conduct mining operations on said premises leased hereby and shall have the right to use any existing roads and ways and shall have a right to construct other roads and ways, including power lines, on the lands of said OWNERS for the purpose herein granted, but in so doing the LESSEES shall do no unnecessary damages to the premises or other lands of the OWNERS.

3. MANNER OF WORK: The LESSEES shall use sufficient machinery, equipment, tools, appliances and labor so as to conduct mining operations upon said premises in a workman-like manner, and the failure to do so for a period of thirty (30) days at any one time, weather permitting, shall cause this lease to be terminatedas stated in paragraph 1 above.

The LESSEES shall keep all mines and the premises in a clean, safe condition, shall do no unnecessary damage to the premises, and shall surrender the premises to the OWNERS in a clean, safe condition upon the termination of this lease.

4. ROYALTY: The LESSEES shall and hereby expressly agree to pay to the OWNERS a royalty or royalties for all minerals mined or removed from said premises as follows:

(a) One-eighth (1/8th) of the gross sales price for all mica.

(b) $0.50 per long ton (2240 lbs.) for all feldspar.

(c) The usual and customary royalty in this locality on any and all other minerals.

Payment of royalties shall be made by the LESSEES to the OWNERS immediately after each and every sale of minerals mined and removed from said premises.

The royalties shall be paid one-half (1/2) to James Wendell Deyton for himself and as Agent for Gale Deyton, Thomas Winton Deyton and Norma Deyton, and the other one-half (1/2) to E. L. Briggs for himself and as Agent for Eloise Briggs. This division of royalty is based upon the ownership of the parties in the premises, it being expressly understood and agreed that the said Deytons own the surface and a one-half (1/2) mineral interest in said premises, and the said Briggses own a one-half (1/2) mineral interest in said premises.

5. RECORDS AND STATEMENTS: The LESSEES shall keep accurate records of all weights and amounts of all minerals mined and removed from said premises, and at the time the payment of royalty is due shall furnish to the OWNERS a duplicate statement showing the amounts, weights and prices of all minerals mined and removed from said premises for which such royalties are due.

In addition to the aforesaid records and statements, the LESSEES shall keep a daily record showing the number of persons working in the mine each day on said premises, and the number of hours per day that each person works in such mine and shall also keep a daily record as to the amount of mica mined each day from said premises, and the said LESSEES shall monthly, at the end of each month, furnish to the parties of the first part, a report showing the number of man hours worked in such mine during the month, and also showing the amount of mica or other minerals mined from the premises during the month.

The LESSEES shall also at any reasonable time, upon request, furnish and present to the OWNERS for inspection or copying, the records and books of the LESSEES as to all minerals mined from said premises.

6. PROCESSING MICA: All mica mined from said premises shall be kept separate and apart until sold from any other mica mined from other premises and after said mica is mined it shall be placed in a mica house located in Yancey County and shall be secured under lock in the absence of the LESSEES or their responsible agent.

All mica mined from said premises shall be processed by expert workmen so that such mica will be prepared so as to bring the highest sales price.

7. BUILDINGS: The LESSEES shall have a right to erect buildings on said premises as may be necessary, but any buildings erected by the LESSEES on said premises shall automatically be and become the property of the OWNERS upon the termination of this lease, and such buildings may not be removed by the LESSEES.

8. COVENANTS: The OWNERS covenant to and with the LESSEES their heirs and assigns, that they have a right to execute this lease upon the terms herein contained; that the premises are free and clear from all encumbrances, and that they will forever warrant and defend the title to the same against the claims of all persons whomsoever.

IN WITNESS WHEREOF, the said OWNERS and the said LESSEES have hereunto signed their signatures and affixed their seals the day and year first above written.

James Mendell Deyton (SEAL)

Gayle Deyton (SEAL)

Thomas Newton Deyton Jr. (SEAL)

Norma Deyton (SEAL)

O. L. Griffin (SEAL)

Eloise Briggs (SEAL)

OWNERS

Yates Bennett (SEAL)

Grady Yancey (SEAL)

LESSEES

STATE OF TENNESSEE, County of Knox

I, Harry Thomas, Notary Public, do hereby certify that JAMES WENDELL DEYTON and wife, GAYLE DEYTON, OWNERS, personally appeared before me this day and acknowledged the due execution of the foregoing MINING LEASE for all the purposes therein expressed.

WITNESS my hand and official seal this the 15th day of July 1954.

Harry Thomas
Notary Public

My commission expires April 23, 1958.

STATE OF WASHINGTON, County of Pierce

I, E S Meddins, Notary Public, do hereby certify that THOMAS WINTON DEYTON, JR., and wife, NORMA DEYTON, OWNERS, personally appeared before me this day and acknowledged the due execution of the foregoing MINING LEASE for all the purposes therein expressed.

WITNESS my hand and official seal this the 17 day of July 1954.

E. S. Meddins
Notary Public

My commission expires Aug. 28, 1954.

STATE OF NORTH CAROLINA, County of Yancey

I, Billie Clyde Peterson (Byrd) Notary Public, do hereby certify that E. L. BRIGGS and wife, ELOISE BRIGGS, OWNERS, and YATES BENNETT AND GRADY YOUNG, LESSEES, personally appeared before me this day and acknowledged the due execution of the foregoing MINING LEASE for all the purposes therein expressed.

WITNESS my hand and official seal this the 24th day of July 1954.

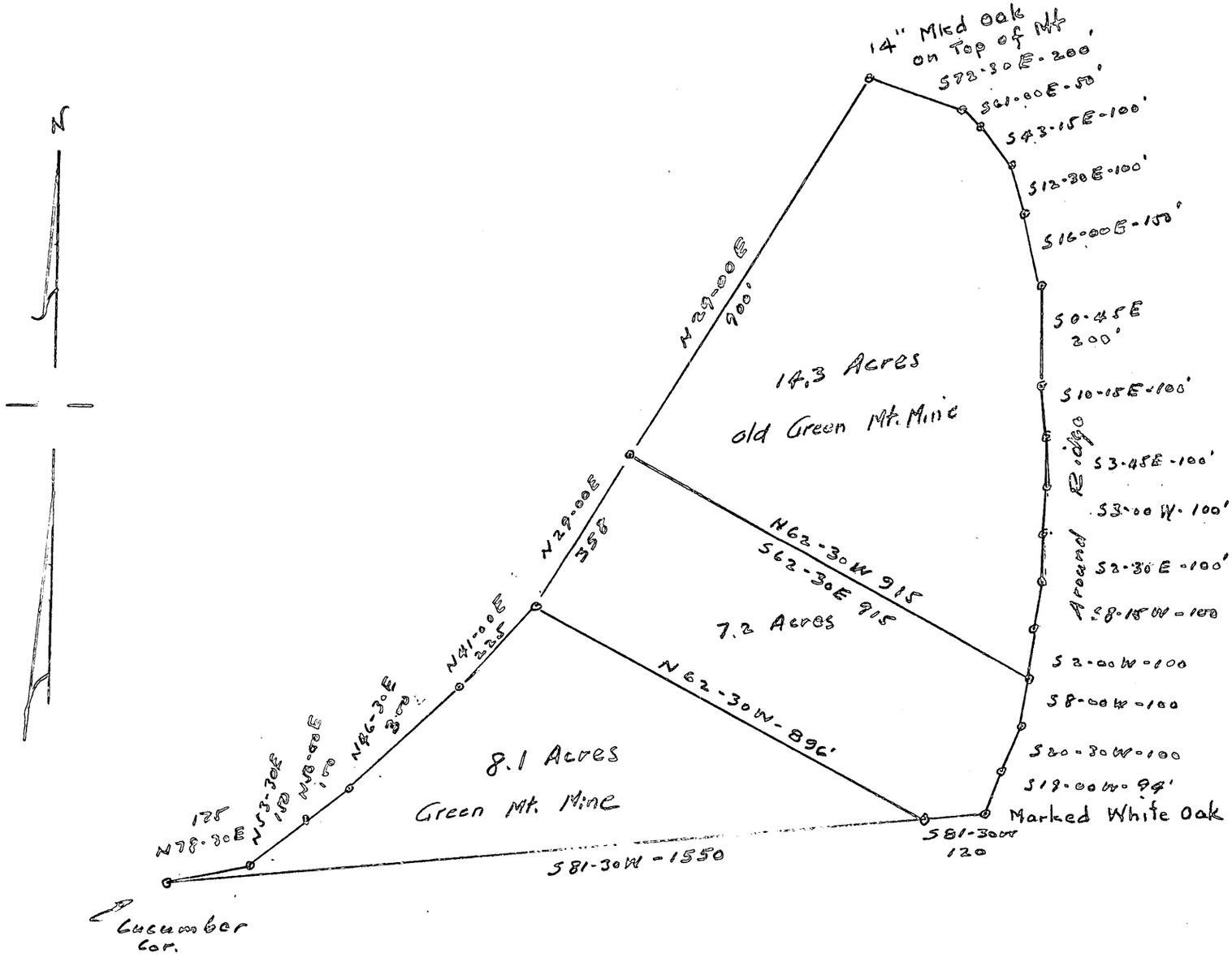
Billie Clyde Peterson (Byrd)
Notary Public

My commission expires 28 Sept. 1955.

NORTH CAROLINA, Yancy County:
The foregoing certificate (s) of Harry Thomas, E. S. Meddins & Billie Clyde Peterson, each a Notary Public of the County and State designated, duly authenticated by his official seal affixed, ~~has~~ (have) been duly examined and found to be in proper form according to law, and the execution of the said instrument is thereupon adjudged sufficiently proven. Let the instrument, with the certificates, be registered.

This 24 day of July, 1954.

[illegible]
CLERK SUPERIOR COURT.



Yates Bennett
Mine Shoal Creek

EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL BUSINESS

VIA AIR MAIL

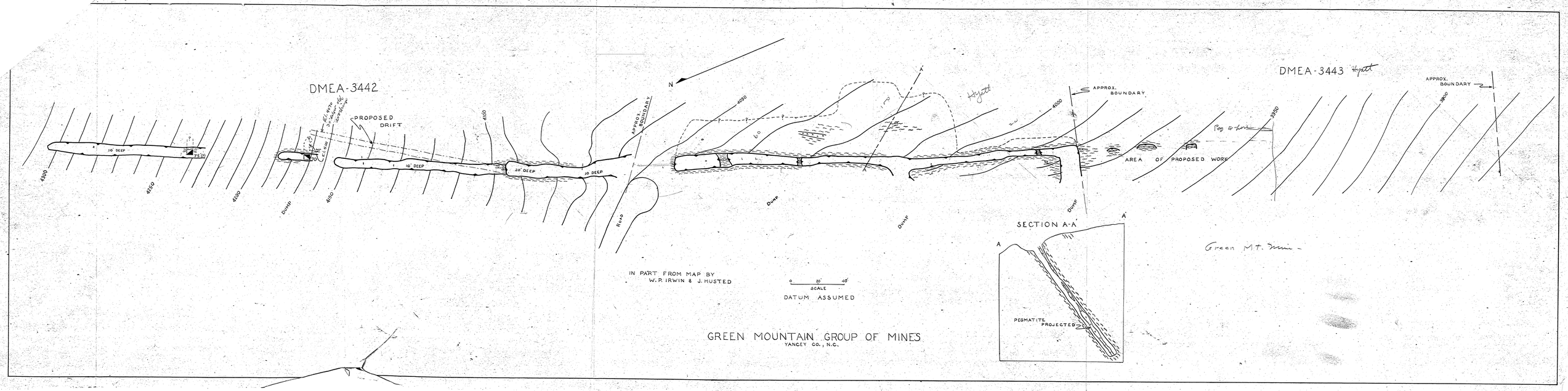
AUG 19 1954 WASH.

AUG 19 1954 WASH.

50 CENTS

Mr. George C. Selfridge, Chairman
Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

VIA AIR MAIL


DMEA-3442
DMEA-3443
PROPOSED DRIFT
10' DEEP
10' DEEP
20' DEEP
10' DEEP
APPROX. BOUNDARY
APPROX. BOUNDARY
APPROX. BOUNDARY
AREA OF PROPOSED WORK
Dump
Dump
Dump
Dump
Road
4050
4100
4150
4200
4250
4300
4000
3950
3900
N
A
A'
SECTION A-A'
PEGMATITE PROJECTED
IN PART FROM MAP BY W.P. IRWIN & J. HUSTED
0 20' 40'
SCALE
DATUM ASSUMED
GREEN MOUNTAIN GROUP OF MINES
YANCEY CO., N.C.