DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3443

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This document has been recorded as

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
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DO NOT DETACH

CONTROLLED DOCUMENT

Docket Copy
Surname:
Anderson
Houk
F E Johnson

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

FEB 17 1955

Mr. Charles Hyatt

Burnsville, North Carolina

Re: Docket No. DMEA-3443 - Mica
Charles Hyatt
Green Mountain Mine
Yancey County, North Carolina

Dear Mr. Hyatt:

On October 21, 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.

Again on January 5, 1955, we wrote you a letter advising that if the needed data have not been received by February 10, 1955, we would then remove the application from the active file and consider the matter closed.

To date we have not had answers to above referenced letters and we assume that you no longer desire to proceed with the application. Accordingly we are removing the application from the active file and considering the matter closed.

Sincerely yours,

Frank E. Johnson
by EST
ACTING Administrator

WCAnderson:gad 2/17/55
Copy to: Admr. R. File
Docket
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

February 17, 1955

Memorandum

To: The File

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of Field Team report

Docket No. DMEA-3443 - Mica
Charles Hyatt
Green Mountain Mine
Yancey County, North Carolina

Mica - Ruby to rum colored, uniformly distributed throughout deposit.
Size - Average books 3 by 5 inches, and up to 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 at a very gentle angle.

Old workings - No mining has been done in the area under consideration. Whether the Green Mountain Mine mica quality as described above extends into this area is not known.

Method of exploring - In 2 stages - Stage I to consist of trenching and testpitting to determine justification for Stage II, which will consist of 50 feet of incline and 75 feet of drift, all in pegmatite. This proposal by Field Team is similar to applicant's proposal. This office would have no alternative plan.

Economics - If the geological premise advanced by the Field Team is correct, the value of mica discovery will justify the cost of proposed exploration work. Work under Stage II will not be undertaken unless justified by work under Stage I, costing only $200.00.

Recommendation - The Field Team recommends contract, premised on continuity of pegmatite along strike and down-dip, with uniform distribution of good quality mica throughout. The Geological Survey and Bureau of Mines concur.

The Nonmetallic Minerals Division has doubts concerning the geological premise advanced by the Field Team and is inclined to deny the application. However, the applicant has not responded to requests dated October 12, 1954 and January 5, 1955 that he furnish an Owner's Consent to Lien or a writter refusal with reasons by the Owner and is being notified that the application is being withdrawn from the active file and the matter considered closed.

Docket Copy
Surname:
Houk

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

JAN - 5 1955

Mr. Charles Hyatt

Burnsville, North Carolina

Re: Docket No. DMEA-3443 - Mica
Charles Hyatt
Green Mountain Mine
Yancey County, North Carolina

Dear Mr. Hyatt:

On October 21, 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.G.h.

Docket Copy
Surname:
Anderson
Houk

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

OCT 21 1954

Mr. Charles Hyatt

Burnsville, North Carolina

Re: Docket No. DMEA-3443 - Mica
Green Mountain Mine
Yancey County, North Carolina

Dear Mr. Hyatt:

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 (for)

Administrator

WCAnderson:gad 10/21/54
Copy to: Admr. R. File
Docket
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5223
Mr. Houk

R

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

Defense Minerals
RECEIVED
OCT 18 1954

October 15, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3443 (mica)

Applicant: Charles Hyatt

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

Date of Field Team Report: September 15, 1954

Date Rec'd. by Ceramic and Fertilizer Mtls. Br.: September 22, 1954

Field Team Recommendation:

1. Exploration assistance.

Comments:

1. Proposed exploration is consistent with good engineering practice and estimated costs are in line with those of other DMEA projects in the area.

2. Planned exploration is divided into two stages:

Stage I - $200.00
Stage II - $4,925.00

Recommendation:

I concur in the field team's recommendation to approve a two-stage exploration project in the amount of $5,125.

W. F. Dietrich

W. F. Dietrich

TO WHOM IT MAY CONCERN

INDIVIDUAL

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

SEP 17 1954

Name Charlie Hyatt

Address Burnsville, N. C. Rt. #2

Business Miner & Farmer

To obtain credit from time to time I furnish the following, which I 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	450	00
Bonds and stocks		
Real estate	8000	00
Personal properties	2400	00
Automobiles	750	00
Other assets		

Total assets $ 11800.00

LIABILITIES:

Accounts payable		
Notes payable		
Loans from banks		
Mortgages on real estate		
Loans from friends or relatives ~~NONE~~		
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 $ NONE

Net worth - $ 11,800.00

DATED August 28, 1954

Charles Hyatt
Signature.

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-3443
Charles Hyatt
(Green Mt. Mine)
Yancey Co., N. C.
$5,125 - 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 Field Team recommends exploration assistance be granted on the southern end of the Green Mtn. mine.

The proposed two-stage project appears to be justified. The Field Team should check the results of Stage I before the applicant continues with Stage II.

I recommend their proposed project be approved.

E. L. Newcomb

E. L. Newcomb

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, Yates Barnett & 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

RAL/sm
cc:
Beck-Lynch-Files

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

On

DMEA-3443, GREEN MOUNTAIN MINE
(mica)
Yancey County, N. C.

By

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

and

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

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

September 15, 1954

FIELD EXAMINATION REPORT
On
DMEA-343, GREEN MOUNTAIN MINE
(mica)

Applicant: Charles Hyatt, Burnsville, North Carolina

This application is on the possible southwestward extension of the pegmatite zone currently being mined by the applicant. No mining has been done in the area covered by the application, although it connects with a producing area. Limited trenching has exposed pegmatite, thus exploration in the area offers possibilities for success. Exploration assistance is recommended.

The deposit was examined on September 10, 1954. Mr. Charles Hyatt accompanied the examiners on the inspection which required one hour.

The location, extent of workings, geology, and history of operation of the Green Mountain mine is covered in the examination report on the Old Green Mountain Mine (DMEA-342) and will not be repeated here.

The applicant, Mr. Hyatt, is currently operating the Green Mountain Mine. He is a competent operator. Area covered by this application occurs southwest of that portion of the deposit now being mined (see attached map). Area included in the application is adequate for the proposed work. No Owner's Consent to Lien has been obtained by the applicant, however, a financial statement supplied by him is attached to this report. He is willing to sign a guarantee.

No mining has been done in the area under consideration. Several shallow trenches southwest of the area being mined have shown that stringers and pods of pegmatite extend for at least another 50 feet. Their mica content is unknown.

In the area covered by the application, unweathered rock occurs from 1 to 5 feet from the surface. The examiners believe that this zone of possible pegmatite extension should be stripped along its trend for another 100 feet to uncover rock in place. After stripping has been completed, not more than five shallow (4 feet) test pits should be sunk on the more favorable exposures. If results from this work is satisfactory, an inclined shaft 50 feet deep should be sunk on the pegmatite and 75 feet of drift driven from the shaft. No tool-house or magazines will be required, as the existing facilities at the active mine will be sufficient.

Estimated Cost: Stage I.

Strip zone 100' x 12' x 4' (average depth) Bulldozer, 5 hrs. @ $10/hr.	$ 50.00
Sink 5 test pits to depth of 4', at $30/each	150.00

Stage II

Sink 50-foot, 5' x 7' incline (35 shifts)

Labor:		
1- miner @ $1.50/hr	$420.00	
1- hoistman @ $1.25/hr	350.00	
1- laborer @ $1.00/hr	280.00	
Equipment (rental):		
Compressor (1/2 time as it will be used on two projects) @ $200/Mo.	175.00	
Hoist @ $50/Mo.	87.50	
Drill @ $25/Mo.	43.75	
Supplies:		
Explosives	150.00	
Gasoline and oil	100.00	
Pipe, airline, etc.	100.00	
Drill steel	150.00	
Small tools	100.00	
Miscellaneous	143.75	
Insurance, Social Security, etc.	150.00	$2,250.00

Drive 75 feet of drift on pegmatite (40 shifts)

Labor:		
1 - miners @ $1.50/hr.	480.00	
1 - Hoistman @ $1.25/hr.	400.00	
2 - Laborers @ $1.00/hr.	640.00	
Equipment: (rental)		
Compressor @ $200/Mo. (1/2) time)	200.00	
Hoist @ $50/Mo.	100.00	
Jack leg and drill @ $40/Mo.	80.00	
Supplies:		
Explosives	200.00	
Gasoline and oil	100.00	
Drill steel	100.00	
Pipe, etc.	100.00	
Small tools	50.00	
Miscellaneous	100.00	
Social security and insurance, etc.	125.00	2,675.00

Estimated total cost of Stage I and II-$5,125.00

9-15-54.

Lawrence E. Shirley,
Mining Engineer, U.S.B.M.

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

Docket Copy
Surname:
Anderson
Houk
Martin
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-3443 - Mica
Charles Hyatt
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 (WSM)

Approved:

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

s/ Thor H. Kiilsgaard (THK)
Member, Geological Survey

Enclosures 4
WCAnderson:gad 8/27/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5227
Mr. Houk

Docket Copy
Surname:
Anderson
Houk
Martin
Kiilsgaard
Hedges
Johnson

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

AUG 27 1954

Mr. Charles Hyatt

Burnsville, North Carolina

Re: Docket No. DMEA-3443 - Mica
Green Mountain Mine
Yancey County, North Carolina

Dear Mr. Hyatt:

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 (for)

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

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-3443 (mica)

Applicant: Charles Hyatt

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

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

Comments:

1. It appears that this application is similar to Docket 3442.
2. The Field Team should contact both parties to determine if the two applications are 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-3443 (mica)

To: Lawrence G. Houk, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant's name and address: Charles Hyatt, Burnsville, N. C.
Name of property: Green Mountain Mine
Location of property: Yancey County, N. C.
Summary of applicant's proposal:
1) Sink 60-foot shaft.
2) Drift 50 feet

Sources of information on applicant's property: 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: According to Irwin, the workings at the Green Mountain mine consist of long narrow open cuts for more than 500 feet along the strike of the pegmatite. The workings range from 4 to 8 feet in width, 3 to 65 feet in depth, trend N. 15° E., and are inclined 55° SE.

The pegmatite, which is in a biotite gneiss, is primarily a medium to coarse grained aggregate of oligoclase, quartz, and muscovite. The pegmatite occurs as "pinching and swelling" bodies, ranging from barely traceable stringers to 3½ feet in width.

Irwin said: "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 yield 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."

Irwin gives the known production as follows:

Aug. 43 to Sept. 44	1,774.18 pounds mica	value $10,917.70

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 - 3443 Charles Hyatt (Green Mountain Mine)

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

August 11, 1954

Mr. Charles Hyatt
Burnsville
North Carolina

Subject: DMEA-3443
Re: Exploration Assistance
Green Mountain Mine

Dear Sir:

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-3443 and referred to the Non-Metallic Minerals Division.

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

Sincerely yours,

I have identified both mines correctly on the letters of acknowledgment to the region and Mr. Adams marked up the cy of the covering letter in this docket as you will note. He feels that this will cover the situation unless some further question comes up in the future.

S

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 25 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 Yates 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

WAB/zm

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. 3443
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:

Charles Hyatt, 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...

Charles Hyatt

(Applicant)

By Charles Hyatt

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

CHARLES HYATT
BURNSVILLE, N. C.
(Green Mountain Mine)

Form MF - 103

1. (a) Charles Hyatt, Burnsville, N. C.
   (b) Individual
   (c) Does not apply
   (d) Charles Hyatt, Rt. 2, Burnsville, N. C.

2. Complied with

3. (a) See lease and platt attached
   (b) Green Mountain mine located on Shoal Creek.
   (c) Lessee
   (d) Copy of original lease attached to the original copy of MF-103.
   (e) Not applicable
   (f) Not applicable

4. (a) This mine was worked during World War Two and was left in a dangerous condition. It will be necessary to approach this mine in a different manner in order to recover strategic mica. Please refer to colonial records for production and other information as to this mine. This property is accessible by road.
   (b) We have no records of the production of this mine.
   (c) In the old workings of this mine it was known as a producer of strategic mica and of an excellent quality.
   (d) A road is accessible to the mine. It is fifteen miles from the Spruce Pine Mica depot, and is approximately five miles from the town of Burnsville, located on the head of Shoal Creek.
   (e) Manpower, material, supplies, equipment, water, and power is available.

5. (a) Strategic Mica
   (b) It is proposed to sink a 60 ft. shaft with 50 ft. of drifting.
   (c) Work will begin in 30 days and will be completed in 3 months.
   (d) The applicants have had a number of years experience in mica mining and will be in a position to furnish any additional men that is necessary to carry on this operation.

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

CHARLES HYATT
BURNSVILLE, N. C.
(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	
	Mixc. Gen. Repair, and Maintenance		50.00	332.13
(h)	Contingencies, wiring, fuel, oil & misc. supplies.		190.87	190.87

7. (a) Yes
(b) Money and with use of equipment owned by Hyatt.

Col Prs & Rec

Pro 25
4.25
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MINING LEASE

JAMES WENDELL DEYTON
and others, OWNERS

to

CHARLES HYATT as LESSEE

NORTH CAROLINA,
YANCEY COUNTY.
Filed for Registration on the 31
day of July 1954 at
10:00 o'clock A. M., and registered
in the Office Register Deeds, and
verified this 2 day of
August 1954 at 10:15
o'clock A. M., in Book 163 of
deeds on page 76 etc.

Evelyn D. Pate
Register of Deed

THE GREAT STATE OF NORTH CAROLINA, County of Yancey

THIS MINING LEASE made and entered into this the 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, North Carolina, parties of the first part, hereinafter referred to as OWNERS, and CHARLES HYATT, party of the second part, hereinafter referred to as LESSEE.

WITNESSETH:

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 LESSEE, his 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, and described as follows:

> BEGINNING on a stake in the hollow near the head of a branch and 50 ft. N. 29-00 E. from a 12" locust in Lewis Jones' old corner, and running thence S. 62-30 E. 896 ft. up the hill with the E. L. Briggs' line, passing across and near the end of the old mine excavation to a stake on the side of the hill S. 81-30 W. 120 ft. from B. S. Riddle's old corner; thence S. 81-30 W. 1550 ft. down the hill to a 14" marked cucumber, an old corner; thence up and with the meanders of the branch and Jones' old line N. 78-30 E. 175 ft; thence N. 53-30 E. 150 ft; N. 50-00 E. 100 ft; thence N. 46-30 E. 300 ft; thence N. 41-00 E. 225 ft. to a 12" marked locust in Lewis Jones' old corner; thence N. 29-00 E. 50 ft. to the point of BEGINNING, containing 8.1 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 Brigges 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 LESSEE, his heirs and assigns, for the period of time fixed in paragraph one 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 LESSEE 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 LESSEE shall and hereby expressly agrees 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 LESSEE.

If the LESSEE should fail to pay any royalty at the time payment is due and the OWNERS make specific demand upon the LESSEE for such payment of royalty and the LESSEE fails 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 LESSEE.

2. MINING RIGHTS: The LESSEE 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 LESSEE may elect.

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

The LESSEE 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 LESSEE shall do no unnecessary damages to the premises or other lands of the OWNERS.

3. MANNER OF WORK: The LESSEE 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 terminated as stated in paragraph 1 above.

The LESSEE 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 LESSEE shall and hereby expressly agrees 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 LESSEE 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 LESSEE 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 LESSEE 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 LESSEE 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 LESSEE shall also at any reasonable time, upon request, furnish and present to the OWNERS for inspection or copying, the records and books of the LESSEE 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 LESSEE or his 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 LESSEE shall have a right to erect buildings on said premises as may be necessary, but any buildings erected by the LESSEE 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 LESSEE.

8. COVENANTS: The OWNERS covenant to and with the LESSEE his 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 LESSEE have hereunto signed their signatures and affixed their seals the day and year first above written.

James Wendell Deyton (SEAL)

Gayle Deyton (SEAL)

Thomas Wendell Deyton Jr. (SEAL)

Norma Deyton (SEAL)

E. L. Briggs (SEAL)

Eloise Briggs (SEAL)

OWNERS

Charles Hyatt (SEAL)

LESSEE

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 CHARLES HYATT, LESSEE, 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 notarial seal this the 24th day of July 1954.

Billie Clyde Peterson (Byrd)
Notary Public

My commission expires 28 Sept. 1955.

STATE OF TENNESSEE, County of Knox

I, Nancy 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 notarial seal this the 15th day of July 1954.

Nancy Thomas
Notary Public

My commission expires April 23, 1958.

STATE OF WASHINGTON, County of Pierce

I, E. S. Meddens, 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 notarial seal this the 17 day of July 1954.

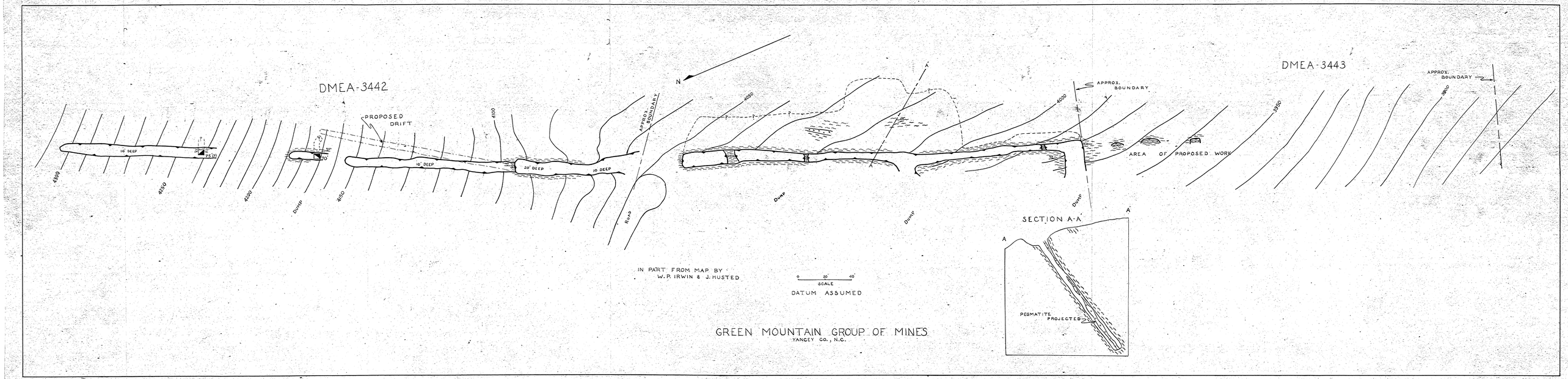
E. S. Meddens
Notary Public

My commission expires Aug 28, 1954.

NORTH CAROLINA, Yancy County:
The foregoing certificate (s) of Dillie Clyde Peterson, Mary Strauss and E. S. Meddens, 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 31 day of July, 1954.

CLERK SUPERIOR COURT.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DMEA-3443
N
PROPOSED DRIFT
10' DEEP
75'
20'
20' DEEP
10' DEEP
APPROX. BOUNDARY
APPROX. BOUNDARY
APPROX. BOUNDARY
4300
4250
4200
4150
4100
4050
4000
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3900
DUMP
DUMP
DUMP
DUMP
ROAD
AREA OF PROPOSED WORK
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.