DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4905

Application
- [x] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

Left Side

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

Right Side

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

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

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

Additional Folders:

Left Side

Folders No._____: Reports

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

Right Side

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

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

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

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

RECEIVED
DEC 30 1957
D.M.E.A.

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

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of YANCEY COUNTY, State of North Carolina, described ~~as follows~~ 2/ in a Mining Lease dated 20 December 1957 from Yates Bennett and W. E. Anglin to Carl B. Young and Yates Bennett, recorded in Yancey County Deed Book 119 page 473.

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

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

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

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

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

1. Deed of Trust dated 3 June 1957 from Yates Bennett to G. D. Bailey, Trustee for W. E. Anglin, recorded in Yancey County Mortgage Deed Book 44, page 7, securing the payment of $1650.00 and interest.
2. Option to Buy dated 20 December 1957 from Yates Bennett and W. E. Anglin to W. E. Hennessee, but made subject to the above-mentioned Mining Lease.

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

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

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

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

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

Dated this 23rd day of December, 1957.

Gatsy Bennett	[Seal]	Burnsville, N.C.	[Address]
J. E. Angling	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

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

_____

[Corporate Seal]

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

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

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

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

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

Dated this 23rd day of December, 1957.

Hater Bennett	[Seal]	Burnsville, N.C.	[Address]
J. E. Bingham	[Seal]	" "	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

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

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[Corporate Seal]

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

Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

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

Dated this 23rd day of December, 1957.

[illegible] Bennett	[Seal]	Burnsville N.C.	[Address]
[illegible]	[Seal]	" "	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

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

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[Corporate Seal]

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

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

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

Dated this 23rd day of December, 1957.

Peter Bennett	[Seal]	Burnsville, N.C.	[Address]
J. E. Vaughn	[Seal]	" "	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

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

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

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

Dated this 23rd day of December, 195 7

Lyley Bennett	[Seal]	Burnsville, North Carolina	[Address]
[illegible]	[Seal]	Burnsville, North Carolina	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

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

_____

[Corporate Seal]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 28, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DMEA
RECEIVED DEC 30 1957
DATE

December 27, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Application - Yates Bennett and Carl B. Young, Burnsville, North Carolina. Mark Young Mine, Yancey County, N.C. (mica).

Transmitted are three copies of an application from Yates Bennett and Carl B. Young on the Mark Young Mine in Yancey County, North Carolina. Also attached are:

A Mining Lease
5 copies of Consent to Lien
2 copies of the plat of the mine

V. J. Lynch

V. J. Lynch

Form MF-103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

APPLICATION FOR AID IN AN EXPLORATION PROJECT

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

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

YATES BENNETT AND CARL B. YOUNG
BURNSVILLE, NORTH CAROLINA

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-490S

Date Received: 12/30/57

Government Participation %:

Region: V

Division Code: 600

BUSINESS ORGANIZATION (Check one)

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

State in which firm is organized: N. C.

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Yates Bennett	Burnsville, N. C.	Partner
Carl B. Young	Burnsville, N. C.	Partner

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

Estimated Cost of Project: $ 5450.00

LOCATION OF PROPERTY

Name	County	State
Mark Young Mine	Yancey	N. C.

GENERAL INSTRUCTIONS

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

CERTIFICATION

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

Yates Bennett & Carl B. Young

December 26, 1957.
Dated

By Yates Bennett
BY (Signature)

Partner
Title

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

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

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

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

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

2. *Physical Description:*

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

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

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

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

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

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

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

3. *Accessibility of Project:*

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

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

4. *The Exploration Project:*

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

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

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

5. *Experience:*

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

6. *Estimate of Costs:*

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

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

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

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

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

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

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

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

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

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

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

* * * * *

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

1(a)In Burnsville Township, Yancey County, North Carolina, and BEGINNI at a stake on the east bank of the road, which stake is located south 30 deg. 15 minutes east 600 feet from the chestnut corner, corner No. 3 in the outside boundary line of the tract of land hereinafter mentioned, and runs thence from said beginning due east 225 feet to a stake; thence due south 600 feet to a stake; thence due west 400 feet to a stake; thence due north 600 feet to a stake; thence due east 175 feet to the BEGINNING, containing 5.5 acres, more or less.

(b)Mark Young Mine

(c) Lessee

(d) See paragraph 4 of consent to lien and subrogation Agreement.

2 (a) There has in time been some 100 feet of tunneling done. Propose now to do 150 feet more of the tunneling.

(b) None.

(c) Do not have production records available but have information that as Blevins Prospect sales averaged better than $21 per pound.

(d) Covered in (c) above

(e) Map of property is enclosed.

3(a) Yates Bennett, Burnsville, N. C. Mine located in Burnsville Township, Yancey County, North Carolina on the Bill Allen Branch Road. This is about 12 miles from Spruce Pine, N. C. Road goes to mine.

(b) U. S. Government Mica Depot, Spruce Pine, N. C.

4 (a) Propose to run heading an additional 150 feet from where it has already been run in years past. This would be in a southerly direction.

(b) No additional access road must be built but some minor repairs to existing road would be necessary.

(c) Work could start within 30 days and be completed within 90 days thereafter.

5. About 15 years each in mica mining.

6. Cost Estimates: $200 in bull dozing work on road and at mine Then 150 feet of shafting @ $35 per foot, $5250, thus making a total of $5450.00 for the project.

7 (a) Yes

(b) By money.

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DMEA
RECEIVED DEC 30 1957
DATE | CODE

THE GREAT STATE OF NORTH CAROLINA, County of Yancey

THIS MINING LEASE made this 20th day of December 1957 by and between YATES BENNETT and W. E. ANGLIN, parties of the first part, hereinafter referred to as OWNERS and CARL B. YOUNG and YATES BENNETT, parties of the second part, hereinafter referred to as LESSEES,

W I T N E S S E T H:

THAT for and in consideration of the performance of the agreement as hereinafter stated and the payment of royalties as herein required to be made by the LESSEES, the OWNERS hereby grant and lease to the LESSEES, their heirs and assigns, for a period of time fixed in paragraph 1 below, all the right, title and interest of the OWNERS for mining purposes as hereinafter stated, on a certain tract of land in Yancey County, North Carolina, described as follows:

> BEGINNING at a stake on the East bank of the road, which stake is located South 30 deg. 15 minutes East 600 feet from the Chestnut corner, corner No. 3, in the outside boundary line of the tract of land hereinafter mentioned, and runs thence from said BEGINNING, due East 225 feet to a stake; thence due South 600 feet to a stake; thence due West 400 feet to a stake; thence due North 600 feet to a stake; thence due East 175 feet to the BEGINNING, containing 5.5 acres, more or less.
>
> AND BEING a part of the third tract described in a Deed dated 22 July 1930 from J. A. Pollard and wife, E. H. Pollard to Yancey Cyanite Company, which Deed is recorded in Yancey County Deed Book 71, page 413.

TO HAVE AND TO HOLD said premises for mining purposes unto the LESSEES, their heirs and assigns, upon the following terms and conditions.

1. DURATION OF LEASE: (a) This Lease shall begin as of the date hereof and be and remain in full force and effect unless sooner terminated as hereinafter provided, for a period of five (5) years.

(b) If the LESSEES should fail to pay any royalty within 10 days from the date such royalty is due and payable, then and in that event the OWNERS, at their option, may terminate this Lease as to any further rights of the LESSEES and upon such termination shall re-enter and take possession of the premises without further notice.

(c) If the LESSEES fail to conduct mining operations upon said premises in a workman-like manner for a period of 30 days at any one time after 20 March 1958, then and in that event the OWNERS may declare this Lease null and void as to any further rights of the LESSEES and re-enter and take possession of the premises.

2. ROYALTIES: The LESSEES shall and hereby expressly agree to pay to the OWNERS royalties for all minerals mined and removed from said premises as follows:

(a) One-eighth (1/8th) of the highest reasonable market selling price for mica, to be sold after being sheeted and processed.

s/ Carl B. Young (SEAL)
Carl B. Young

s/ Yates Bennett (SEAL)
Yates Bennett

LESSEES

RECEIVED DEC 30 1957
DATE

NORTH CAROLINA, Yancey County

I, Ena B. Halcombe, Notary Public, do hereby certify that YATES BENNETT and W. E. ANGLIN, 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 signature and notarial seal this 23rd day of December 1957.

My commission expires 1 Jan 1958.

Ena B. Halcombe
Notary Public (Seal)

NORTH CAROLINA, Yancey County

I, Ena B. Halcombe, Notary Public, do hereby certify that CARL B. YOUNG and YATES BENNETT, 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 signature and notarial seal this 23rd day of December 1957.

My commission expires 1 Jan 1958.

s/ Ena B. Halcombe
Notary Public (Seal)

NORTH CAROLINA, Yancy County:
The foregoing certificate (s) of _____;

_____;
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 _____ day of _____, 19____.

_____
CLERK SUPERIOR COURT.

MINING LEASE

ATES BENNETT and
W. E. ANGLIN

OWNERS

and

CARL B. YOUNG and
ATES BENNETT,

LESSEES

4120 P.

413 114

WILLIAM E. ANGLIN
GARRETT D. BAILEY
ATTORNEYS AT LAW
BURNSVILLE, N. C.

The Tuttle Law Print, Publishers, Rutland, Vt.

U. S. Government Messenger Envelope

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		110
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		220

600

June 2, 1958

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Director, Division of Nonmetallic Minerals

Subject: Evaluation of application and field examination report.
Docket No. DMEA-4905-Mica
Yates Bennett and Carl B. Young
Mark Young Mine
Yancey County, North Carolina

Denial of application is recommended;

Mica: No strategic mica observed.

Pegmatite: Bodies are fracture fillings in alaskite intruded into a medium-to-coarse-grained feldspar-mica-garnet gneiss. Composed of plagioclase, microcline, quartz, and muscovite. One body must have been small, because most of the pegmatite was removed by trenching work. Because of poor exposures the extent of the dikes could not be determined. One was probably 1 to 4 feet thick and not more than 40 feet long.

Workings: Two open cuts and one stoped drift.

Past Production: Small amount reported.

Method of exploration: Work proposed by Applicant:

Bulldozing work	$200.00
150 feet of shaft @ $35.00/ft.	5,250.00
Total requested	$5,450.00

Recommendations: The Field Team recommends denial of the application, because no definite geological target is indicated in the open cut and pegmatite dikes present in the underground workings are too small to justify exploration work. The Division of Nonmetallic Minerals and the Commodity Members of the Geological Survey and Bureau of Mines concur.

WCAnderson:rsi 6/2/58
Copy to: Admr. R. File
Mr. Houk

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

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
6/2	Anderson	600
6/3	Houk	600
6/4	Martin	130
6/4	Lamb	130
6/4	Kiilsgaard	130
6/4	Brown	110
"	Mittendorf	100
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JUN 4 1958

Messrs. Yates Bennett
and Carl B. Young
Burnsville, North Carolina

Re: Docket No. DMEA-4905-Mica
Yates Bennett and Carl B. Young
Mark Young Mine
Yancey County, North Carolina

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

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

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

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:rsi 6/2/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Field Team, Region V
Mr. Houk

8623

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

May 29, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4905 (mica)

Applicant: Yates Bennett and Carl B. Young

Name and Location of Property: Mark Young Mine, Yancey County, N. C.

Date of Field Team Report: 5/20/58

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 5/27/58

Field Team Recommendation: Recommend denial of application

Comments:

1. This is an old mine from which some mica is reported to have been recovered from small pegmatite bodies in alaskite.
2. Present exposures are poor and no strategic mica is visible.
3. No definite geologic target exists and further exploration is not justified.

Recommendation:

I concur with the recommendation of the field team that exploration assistance be denied.

W. F. Dietrich

W. F. Dietrich

OFFICE OF THE DIRECTOR
DMEA
RECEIVED MAY 27 1958

DATE	INITIALS	CODE
5/27	H.J.	225
		600

IN REPLY REFER TO:

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

May 26, 1958
Re: DMEA 4905
Yates Bennett and C. B. Young
Mark Young Mine
Yancey County, North Carolina
$5,450 - Mica

Memorandum

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

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

Subject: Review of Field Team Report

The applicants requested assistance in extending a heading 150 feet.

A long opencut exposes pegmatite as fracture fillings in slightly foliated alaskite. No strategic mica shows in the poorly exposed pegmatite in the opencut and none was seen in a smaller more recently excavated trench. As no definite geologic target is exposed or indicated in the present large opencut, and the pegmatite dikes present in the drift and new cut do not appear to be large enough to justify further work, the examiners recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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

May 20, 1958

5/22	H.G.	225
	Bs	130
5/26	CJ	220
5/27	Hawk	600

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Report - DMEA-4905 (mica)
Yates Bennett and C. B. Young, Applicants
Mark Young Mine, Yancey County, N.C.

Transmitted are the original and two copies of the subject examination report with a copy of the map attached to each report.

The Field Team is in agreement with the Field Examiners in their recommendation for denial of the application.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Region V

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

Reviewed by
DMEA OPERATING COMMITTEE
5/26/58
(date)

On-Site Exam Rpt

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

DMEA-4905 (Mica), MARK YOUNG MINE
Yancey County, North Carolina

F. G. Lesure, Geologist
U. S. Geological Survey

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

May 20, 1958

Reviewed by
DMEA OPERATING COMMITTEE
5/26/58
(date)

FIELD EXAMINATION REPORT

DMEA-4905 (Mica), MARK YOUNG MINE
Yancey County, North Carolina

Applicants: Yates Bennett and C. B. Young
Burnsville, North Carolina

SUMMARY

Several small pegmatite dikes in an alaskite intrusive have apparently been worked in two open cuts and one stoped drift at the Mark Young Mine. Although the Applicants report that mica-bearing pegmatite was exposed in a bulldozer cut north of the old works the only pegmatite observed was medium-grained and contained no strategic muscovite. We recommend that exploration assistance be denied because there is no definite geologic target.

INTRODUCTION

Location:

The Mark Young Mine is on a steep north slope above Allen Branch 2.06 miles S. 50° E. of BM-LHT 810 in Burnsville, Yancey County, North Carolina (Burnsville, N. C., quad., TVA, 1:24,000). The mine is on the Bill Allen road 1.5 miles from U. S. Highway 11 E and can be reached by 4-wheel-drive vehicles.

Examination:

An examination of the Mark Young Mine was made on January 21, 1958, and lasted 2½ hours. Messrs. Yates Bennett and Carl Young accompanied the examiners. Because of limited exposures no geologic target was observed but the Applicants requested additional time to open up the long bulldozer trench. On May 5, 1958, Mr. Bennett was contacted again. He told us that as yet no additional work had been done but that he still intended to "sometime".

Previous Operations:

The Mark Young Mine consists of a bulldozer trench and old open cut about 200 feet long with a single stoped drift about 40 feet long and 35 feet high beneath the open cut at the southwest end. A second narrow open cut about 50 feet long has been made recently on the southeast side of the larger cut.

According to the Applicants Zackie Blevins sold in 1957 about 20 lbs. of ruby mica worth $476 that came from the smaller southeast cut. The older cut and underground workings were first worked about 1880. John Bowditch is reported to have operated the mine from 1920 to 1925 and some work is reported to have been done in the 1940's.

At the time of the examination the bulldozer trench had slumped and was covered with frozen loose soil and rock. There was no equipment on the property.

GEOLOGY

The workings at the Mark Young Mine are in a medium- to coarse-grained alaskite composed of plagioclase, microcline, quartz, and muscovite. The alaskite is sheared and has a crude foliation. It is intruded into a medium- to coarse-grained feldspar-mica-garnet gneiss. There is some pegmatitic material in place in small exposures in the long bulldozer trench. Deeply weathered pegmatite is also poorly exposed in the eastern trench from which the recent production by Blevin came. This pegmatite body must have been small because most of the pegmatite was removed during that work. Pegmatite is also visible along the back of the underground workings which are partly filled with water.

Pegmatitic material on the dump is medium- to coarse-grained and composed of plagioclase, microcline, quartz, muscovite, and garnet. Several pieces of quartz up to 1 foot in diameter are present in the dump material. No muscovite of strategic quality was observed.

The pegmatite exposed in the bulldozer trench is medium-grained and contains no strategic mica.

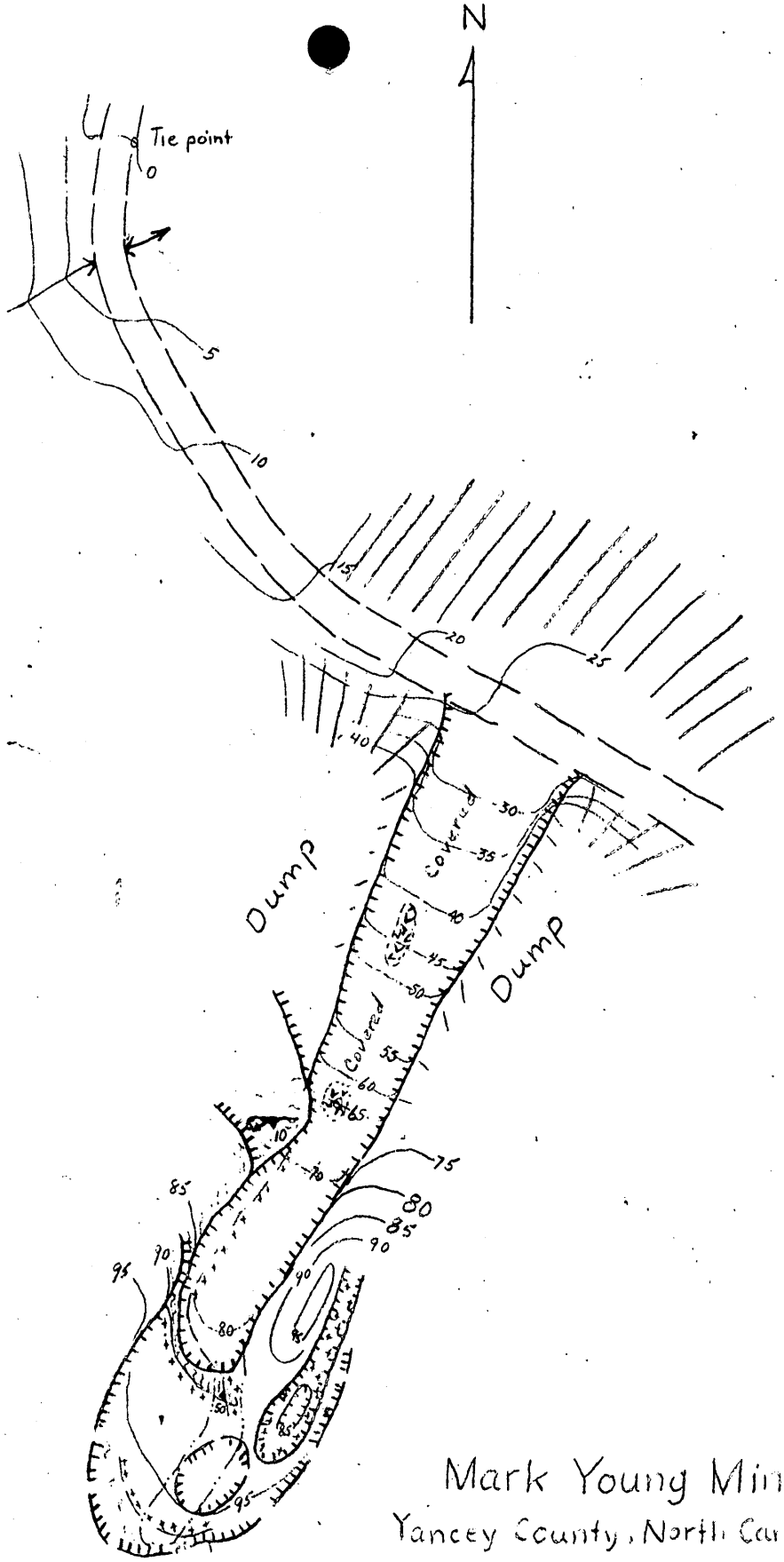
The pegmatite bodies are fracture fillings in the alaskite intrusive. Because of poor exposures the thickness, length and attitudes of these dikes could not be determined. The southeastern dike was probably 1 to 4 feet thick and not more than 40 feet long.

RECOMMENDATIONS

We recommend that exploration assistance be denied because no definite geologic target is exposed or indicated in the present open cut. The pegmatite dikes present in the underground workings and small southeastern cut do not appear to be large enough to justify further exploration. The Applicants report that mica-bearing pegmatite was exposed while bulldozing the long trench to the north but the small exposures of medium-grained pegmatite in the trench do not contain any strategic mica. Although the Applicants expressed a desire in January to do some additional bulldozing to prepare the prospect for a second examination, they have not yet done so.

F. G. Lesure, Geologist
U. S. Geological Survey

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



Explanation

Pegmatite

Alaskite

Gneiss

Strike & dip of foliation and plunge of lineation

Underground workings

Edge of open cut

Tape & brunton survey

Contours approximate

Datum assumed

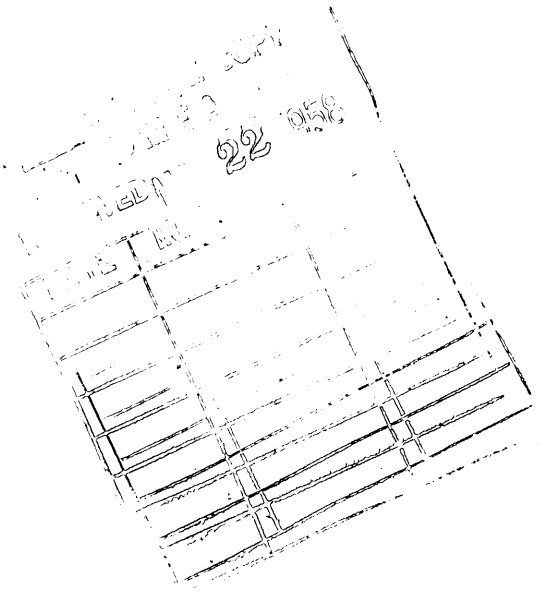
Mark Young Mine

Yancey County, North Carolina

DMEA-4905 (mica)

0 20 40 Feet

FGL 1/58



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1/"	Johnson	110
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		~~220~~
1/10	gb	220
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JAN 10 ~~1956~~ 1958

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

Re: Docket No. DMEA-4905-Mica
Yates Bennett and Carl B. Young
Mark Young 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 dated January 2 and 6, 1958, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures 5

WCAnderson:rsi 1/9/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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(12-56)

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1/10	Kiilsgaard	130
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		~~100~~
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JAN 10 1958

Messrs. Yates Bennett
and Carl B. Young
Burnsville, North Carolina

Re: Docket No. DMEA-4905-~~Mica~~
Yates Bennett and Carl B. Young
Mark Young Mine
Yancey County, North Carolina

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

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

Sincerely yours,

Frank E. Johnson
(es)
ACTING Administrator

WCAnderson:rsi 1/9/58
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

January 6, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4905 (mica)

Applicant: Yates Bennett and Carl B. Young (Partners)

Name and Location of Property: Mark Young Mine
Yancey County, North Carolina

Date Application Rec'd. by Br. of Ceramic and Fertilizer Materials: 12/30/57

Comments:

1. This is an old prospect operated in the past as Blevins prospect which applicant states was a good producer.

2. Applicant estimates a cost of $5,450 to continue a 100-foot tunnel for an additional 150 feet.

3. Exploration proposed by applicants is consistent with local practices and in line with unit-cost estimates for other DMEA projects.

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.

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1/8	wsa	600

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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DATE	INITIALS	CODE
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1/6	mba	600

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

January 2, 1958
Re: DMEA 4905
Yates Bennett and Carl B. Young
Mark Young Mine
Yancey County, North Carolina
$5,450.00 - Mica

Memorandum

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

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

Subject: Review of application

The applicants request assistance in extending a heading 150 feet, presumedly to explore a pegmatite. The application gives no information as to what may be ahead of such extension and also calls the extension 'shafting'.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

December 30, 1957

Messrs. Yates Bennett
& Carl B. Young
Burnsville, North Carolina

Gentlemen:

Subject: DMEA-4905

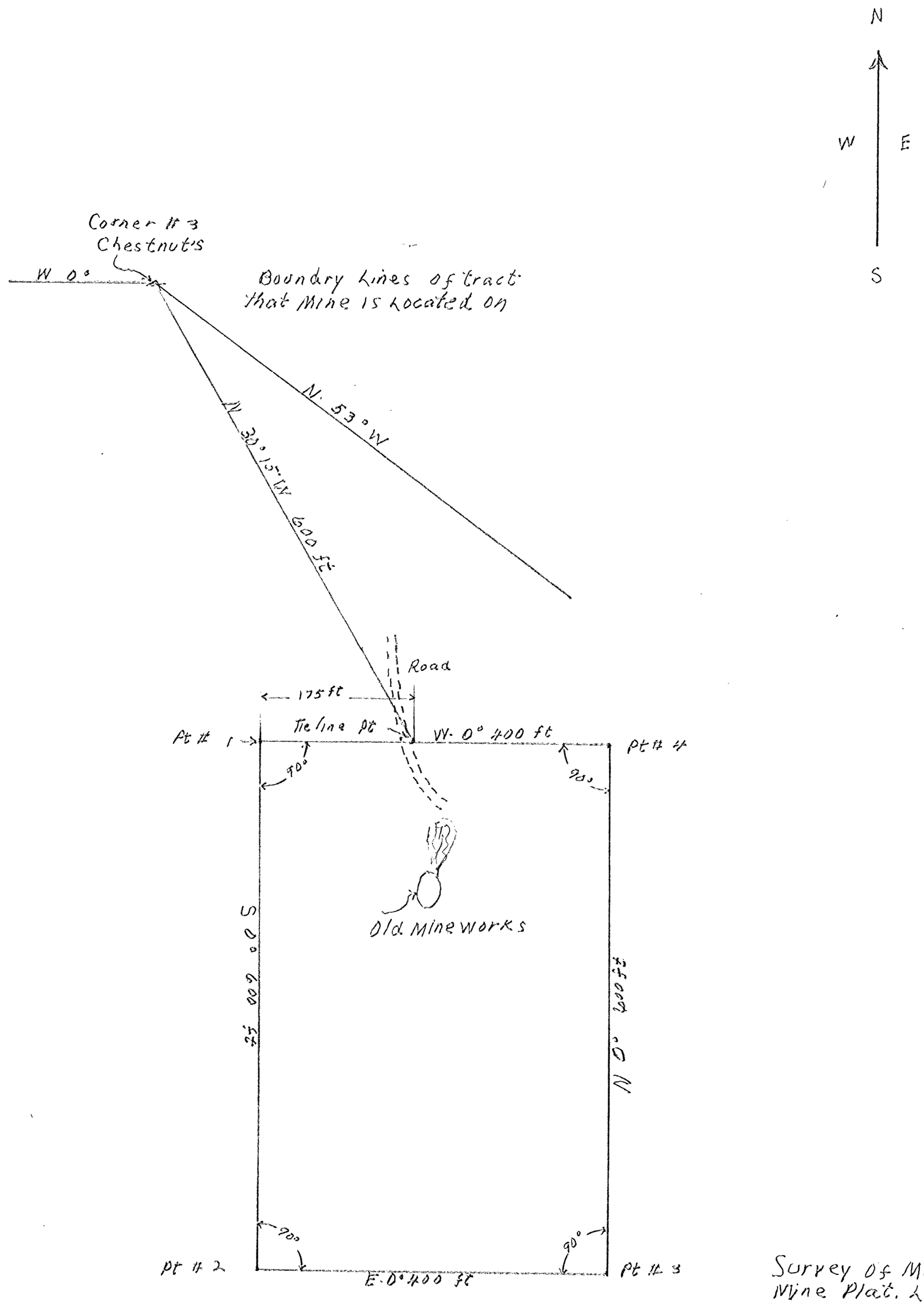
Your application for exploration assistance, dated December 26, 1957 submitted to our office at Knoxville, Tennessee has been assigned Docket Number DMEA-4905 and referred to the NonMetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region V



Survey of Mark Young Mine Plat. Located on Yancey Kynite Co Prop. Present Owners Anglin & Bennett. Surveyed By Lewis Robinson Celo. N Car. 12-15-89 Scale 1" Equals 100 ft Cont. 5½ acres More or Less