DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO._____

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
✓ Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

Right Side

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

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

MF-203
Revised March 24, 1955

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

RECEIVED FEB 1 1957 D.M.E.A.

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of AVERY, State of NORTH CAROLINA, described as follows:1/ BEING WITHIN A BOUNDRY OF LAND OWNED BY WILLIE DANIELS OF NEWLAND, N.C. AND DESCRIBED AS FOLLOWS:
Beginning at a stake on the side of the Mountain and runs N 40 E 200 feet to a stake, thence s 53 E 370 feet to a stake, thence s 40 W 750 feet to a stake, thence N 40 W 360 feet to a stake, thence N 40 E 700 feet to the beginning. The present mine opening being in the above described area and situated S 32 E 125 feet from the beginning stake, and the area consists of 5.6 acres of land.

Deed to whole boundry of land is recorded in Book 42, page 295, Avery County, N.C.

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;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

none

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ 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 ~~registered in Book 42,~~ 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.

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 25 day of January, 1957.

Willie Daniels [Seal]

[Seal]

[Seal]

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-203
Revised March 24, 1955

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

RECEIVED FEB 1 1957 D.M.E.A.

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of AVERY, State of NORTH CAROLINA, described as follows:1/ BEING WITHIN A BOUNDRY OF LAND OWNED BY WILLIE DANIELS OF NEWLAND, N.C. AND DESCRIBED AS FOLLOWS:
Beginning at a stake on the side of the Mountain and runs N 40 E 200 feet to a stake, thence s 53 E 370 feet to a stake, thence s 40 W 750 feet to a stake, thence N 40 W 360 feet to a stake, thence N 40 E 700 feet to the beginning. The present mine opening being in the above described area and situated S 32 E 125 feet from the beginning stake, and the area consists of 5.6 acres of land.

Deed to whole boundry of land is recorded in Book 42, page 295, Avery County, N.C.
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;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

none

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ 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 ~~registered in Book 42,~~ 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.
2/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.
3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this _____ day of _____, 195_.

Willie Daniels [Seal]

_____ [Seal]

_____ [Seal]

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-203
Revised March 24, 1955

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

CONSENT TO LIEN

RECEIVED FEB 1 1957 D.M.E.A.

To the United States of America:

Referring to that certain land in the County of AVERY, State of NORTH CAROLINA, described as follows:1/ BEING WITHIN A BOUNDRY OF LAND OWNED BY WILLIE DANIELS OF NEWLAND, N.C. AND DESCRIBED AS FOLLOWS:

Beginning at a stake on the side of the Mountain and runs N 40 E 200 feet to a stake, thence S 53 E 370 feet to a stake, thence S 40 W 750 feet to a stake, thence N 40 W 360 feet to a stake, thence N 40 E 700 feet to the beginning. The present mine opening being in the above described area and situated S 32 E 125 feet from the beginning stake, and the area consists of 5.6 acres of land.

Deed to whole boundry of land is recorded in Book 42, page 295, Avery County, N.C.

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;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

none

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ 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 registered in Book 42, 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.

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this ____ day of _____, 19__.

Willis D Mills [Seal]

_____ [Seal]

_____ [Seal]

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-203
Revised March 24, 1955

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

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Avery, State of North Carolina, described as follows:1/ [illegible] A [illegible] OF LAND OWNED BY [illegible] OF [illegible], U.S. AND [illegible] AS FOLLOWS:

Beginning at a stake on the side of the mountain and runs S 40 E 200 feet to a stake, thence S 53 E 370 feet to a stake, thence S 40 W 750 feet to a stake, thence N 40 W 300 feet to a stake, thence N 40 E 700 feet to the beginning. The present mine opening being in the above described area and situated S 32 E 125 feet from the beginning stake, and the area consists of 5.6 acres of land.

Deed to whole bounty of land is recorded in Book 42, page 275, Avery County, N.C.

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;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

none

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ 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 registered in Book 42, 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.

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this _____ day of _____, 19__.

Millie Daniels _____ [Seal]

_____ [Seal]

_____ [Seal]

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-203
Revised March 24, 1955

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

RECEIVED FEB 1 1957 D.M.E.A.

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of [redacted], State of [redacted], described as follows:1/ [redacted]

[redacted]

[redacted]

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;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

[redacted]

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ 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 [redacted] 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.

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this _____ day of _____, 195_.

willis brooks _____ [Seal]

_____ [Seal]

_____ [Seal]

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-203
Revised March 24, 1955

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

RECEIVED FEB 1 1957 D.M.E.A.

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of _____, State of _____, described as follows:1/ _____

_____

_____

_____

_____

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;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

_____

_____

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ 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.

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 25 day of January, 1957.

Willie D Daniels [Seal]

[Seal]

[Seal]

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-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED FEB 1 1957 D.M.E.A.

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. 4624
Metal or Mineral Mica
Date Received 2-1-57
Estimated Cost $7115
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: The Willie Knob Mining Co. c/o Lewie Aldridge
Spruce Pine, N. C. Partnership.
Willie Daniels, Newland, N. C. J. P. Cuthbertson, Newland, N. C.
Lewie Aldridge, Spruce Pine, N. C. Partners.

(*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.

All of the following questions answered on the attached sheet of paper.

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

RECORDED JAN 30 1957

(*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?

[X] 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 Jan. 25, 1957, 195__

The Willie Knob Mining Company
(Applicant)

By Willie Daniels
J. P. Christopherson
Lennie Mobrey

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—60551-1

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

RECEIVED FEB 1 1957 D.M.E.A.

WILLIE KNOB MINING CO., c/o LEWIE ALDRIDGE, SPRUCE PINE, N. C.
PARTNERSHIP

WILLIE DANIELS, NEWLAND, N. C. PARTNERS.
J. P. CUTHBERTSON, NEWLAND, N. G. "
LEWIE ALDRIDGE, SPRUCE PINE, N. C. "

(d) Partnership

3 (a) Willie Daniels owns the land and the mine area consisting of 5.6 acres lies within the boundry of his land and calls are as follows: Beginning at a stake on the side of the Mountain and runs N 40 E 200 feet to a stake, thence S 53 E 370 feet to a stake, thence S 40 W 750 feet to a stake, thence N 40 W 360 feet to a stake, thence N 40 E 700 feet to the begining stake. The present mine opening is lying and being within the above described area and situated S 32 E 125 feet from the beginning stake. The boundry is in Avery County, North Car.

(b) The Willie Knob Mine

(c) Willie Daniels is owner and the deed is recorded in the register of Deeds Office in Newland, Avery County, North Carolina in Deed Book No. 42, page 295.

(d)
(d) Partners with Willie Daniels.

(e) None

(f) Not Applicable.

4 (a) It is an old mine where there had been some shafts and tunnels cut aroung 40 years ago . This work was done by hand by Ben Franklin and Willie Hurt. A cut has been bulldozed there since this work but no other work. There is a good dirt road into the mine.

~~(b)~~
(b) There is no actual records of the amount of mica recovered from the above working but there was a great deal of mica obtained and one of the blocks of Mica measured 24" square. This was a good quality "Green Mica".

(c) The vein lies in a very soft slate and there is around 10 x 10 feet of vein now exposed. This pegmatite is composed of soft feldspar and mica.

(d) The mine is located 2 miles from Pyatte north on the Hughes Road. This is a hard surface road to Pyatt and a good dirt road from there to the mine. It is situated 17 miles north of Spruce Pine, N. C. on Highway 19 E to Plumtree, N.C. then turn off 19 E onto the Plumtree Creek Road to Pyatte and the mines.

(e) There is plenty of Manpower, materials, supplies equipment, water and power available.

5 (a) Mica

5 (b) As the surface is very soft we would like for the proposed work to consist of criss crossing with bulldozer and then cutting a tunnel on the pegmatite.

(c) The work will start ~~within~~ immediately and be completed in 6 months or less.

(d) Willie Daniels is the owner of the land but has never mined any himself: J.P. Cuthbertson has had 10 years experience mining and exploration work. Lewie Aldridge has been mining & operating mines suscessfully for the last 15 years and is now operating several mines himself. J. P. Cuthbertson will personally supervise the operations ~~under the supervision of Lewie~~ with the help and consultation of Lewie Aldridge.

6 (a) Estimate of cost of proposed operation:

1- 300 hours of Bulldozing @ 10.00	$3000.00
2- 100 feet of drifting and/or incline @ 40.00	4000.00
3- Tool House	75.00
4- Powder Magazine	25.00
5- Exploder Magazine	15.00
Total cost of proposed exploration	$7115.00

We would like the proposed contract to be expressed in terms of units of work on the cost of unit basis.

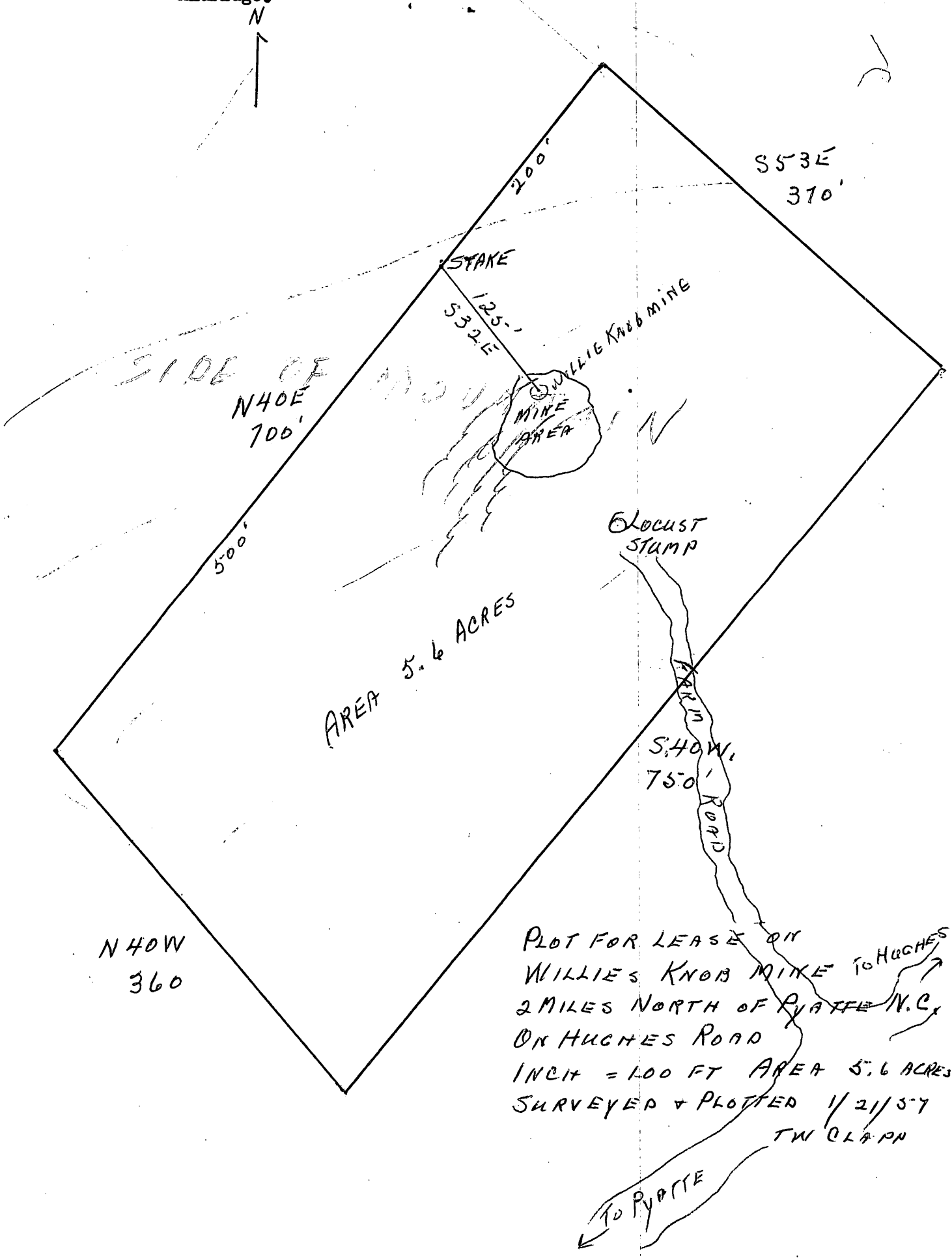
a,b,d,e,f,g,h, not applicable.

7 (a) Yes

(b) With Money

Cerrtification of the foregoing proposed exploration contract is certified to by the three mentioned partners on the attached form MF-103.

Plot of land covering the mine area of the proposed exploration contract on the Willie Knob Mine by the Willie Knob Mining Co. a partnership of Willie Daniels, J. P. Cuthbertson and Lewie Aldridge.



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 1 1957

DATE	INITIALS	CODE

January 30, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Application - Knob Mining Company, Spruce Pine, N.C.
c/o Lewie Aldridge (mica)

Transmitted are three copies of the subject application, six copies of form MF-205, and one copy of a sketch map received in this office today. One copy of the application has been retained for our files.

V. J. Lynch

V. J. Lynch

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 4, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

WASHINGTON 25, D.C.

EXTRA COPY DMEA RECEIVED FEB 1-57		
DATE	INITIALS	CODE

January 20, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Application - Knob Mining Company, Spruce Pine, N.C.
c/o Lewie Aldridge (mica)

Transmitted are three copies of the subject application, six copies of form MF-205, and one copy of a sketch map received in this office today. One copy of the application has been retained for our files.

V. J. Lynch

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROWAN POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

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RECEIVED FEB 1 1957

DATE	INITIALS	CODE

January 30, 1957

Mr. Lewie Aldridge
Spruce Pine, N. C.

Dear Mr. Aldridge:

The application for DMEA assistance submitted by the Willie Knob Mining Company, has been received in this office and will be forwarded to the Washington office in accordance with established procedures.

In reviewing the application it has been noted that the proposed exploration area is 125 feet southeast of northwest boundary of the property. It should not be less than 200 feet. You may be requested to acquire more land to the northwest.

Also there is no copy of the lease or partnership agreement included with the application. This is required under paragraph 3 d of the application.

Very truly yours,

V. J. Lynch, Acting Executive Officer
DMEA Field Team, Region V

VJL/zm
cc
O r. Com-
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

WASHINGTON 25, D.C.

EXTRA COPY
DMEA
RECEIVED FEB 1 1957

DATE	INITIALS	CODE

January 30, 1957

Mr. Lewie Aldridge
Spruce Pine, N. C.

Dear Mr. Aldridge:

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Also there is no copy of the lease or partnership agreement included with the application. This is required under paragraph 3 d of the application.

Very truly yours,

V. J. Lynch, Acting Executive Officer
DMEA Field Team, Region V

VJL/zm
cc
O r. Com-
Files

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

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3. Write clearly.

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Mr. Martin Rm 3538	RUN STOP	
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DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/16	Anderson	600
4/17	Houk	600
4/19	Selfridge	130
"	Johnson	100
"	Mittendorf	200
4/22	C	220
		225

600

APR 19 1957

The Willie Knob Mining Co.
c/o Mr. Lewis Aldridge
Spruce Pine, North Carolina

Re: Docket No. DMEA-4624-Mica
The Willie Knob Mining Co.
The Willie Knob Mine
Avery County, North Carolina

Lamb
Kilsgaard

Gentlemen:

Your application for aid for an exploration project relating to the subject property has 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 strategic materials 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 (fw)

Administrator

WCAnderson:rsi 4/17/57
Copies to: Admr. R. File
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Operating Committee

8623

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

April 17, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Chief, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report
Docket No. DMEA-4624-Mica
The Willie Knob Mining Co.
The Willie Knob Mine
Avery County, North Carolina

Denial of application is recommended.

Mica: Non-strategic, none seen in place, few scraps noted were green colored, wedge "A", and badly interwoven with fine biotite.

Pegmatite: A large trench exposed several concordant bodies, limited in extent. Not favorable for occurence of sheet mica, being perthite rich and quartz-deficient. Exposure scattered over a distance of about 90 feet. Concordantly emplaced in a deeply weathered mica gneiss. Composed of perthite, kaolinized plagioclase, and minor amounts of quartz.

Workings: Series of old pits, trenches and shafts which lie within an area 150 feet west and southwest of a 200 foot trench excavated in the recent past.

Applicant's proposal:

Bulldozing 300 hours @ $10.00/hr.	$3,000.00
New buildings	115.00
100 feet of drift and/or incline @ $40.00/ft.	4,000.00
Total amount requested	$7,115.00

Recommendations: The Field Team recommends denial of this application, because the small amount of pegmatite seen in place exhibits poor environment for occurrance of strategic mica, and the few scraps of mica observed were not of strategic grade. The Nonmetallic Minerals Division and the Commodity Members of the Geological Survey and Bureau of Mines concur.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

WCAnderson:rsi 4/17/57
Copy to: Admr. R. File
Mr. Houk

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

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RECEIVED APR 16 1957

DATE	INITIALS	CODE
4/17	C	220 600

April 15, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4624 (mica)

Applicant: The Willie Knob Mining Co. (L. Aldridge)

Name and Location of Property: Willie Knob Mine, Avery County, N. C.

Date of Field Team Report: April 5, 1957

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 4/11/57

Field Team Recommendation: Recommend that application be denied.

Comments:

1. This is an old prospect but no data available in this office on subject mine.
2. Extensive recent bulldozing has revealed only small isolated exposures of pegmatite and no mica was seen in place.
3. The little muscovite seen in bulldozed material was not of strategic grade.

Recommendation:

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

Donald R. Irving
Donald R. Irving

IN REPLY REFER TO:

OFFICIAL FILE COPY
D M E
RECEIVED APR 15 1957

DATE	INITIALS	CODE
4/15	C	220
4/16	Houk	600

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

April 12, 1957

Re: DMEA 4624
Willie Knob Mining Co.
Willie Knob Mine
Avery Co. N. C.
$7,115.00 Mica

Memorandum

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

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

Subject: Review of Field Team Report.

The applicant requested assistance in exploring a pegmatite said, by the applicant, to have been the source of good mica in days agone.

The examiners found several concordant pegmatites in a trench but consider the environment, the mineralogy of the pegmatite and the lack of mica in the outcrop, unfavorable factors and 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 WASHINGTON 25, D. C. POST OFFICE BLDG.
KNOXVILLE 2, TENN.

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DATE	INITIALS	CODE
4/8	C	220
		130
4/12	C	220
4/12	wa	600

April 5, 1957

A

Memorandum

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

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

Subject: Field Examination Report, DMEA-4624 (Mica)
Willie Knob Mine, Avery County, North Carolina.

Enclosed are the original and three copies of the subject examination report.

We agree with the recommendation of the examiners that this application be denied.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

as
cc
Opr. Com. 3
Lynch
Shirley
Files

Reviewed by
DMEA OPERATING COMMITTEE
4-12-57
(date)

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DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE
		130248
		220

FIELD EXAMINATION REPORT

The Willie Knob Mine
Avery County, North Carolina

DMEA-4624 (mica)

Applicant

The Willie Knob Mining Company

Lewis Aldridge, Spruce Pine, N. C.

Willie Daniels and J. P. Cuthbertson, Newland, N. C.

SUMMARY

A large northwest-trending trench intermittently exposes several concordant pegmatite bodies which appear to have rather limited extent. The exposed mineralogy is not favorable for the occurrence of sheet muscovite, being perthite-rich and quartz-deficient. What little muscovite scrap was seen at the site was wedge-A and badly biotite-stained. The examiners recommend that the application be denied because of the lack of a favorable exploration target.

INTRODUCTION

Location

The subject mine is located 1.77 airline miles N24°E of the road intersection at Pyatte, Avery County, North Carolina, and 1.23 airline miles S60°W of the Hawshore Mountain Fire Tower. It is situated on open rolling pastureland at the northeast end of Chestnut Mountain and at an elevation of approximately 3940 feet. The site can be located in the south-central 1/9th of the Newland, N. C., Quadrangle, USGS-TVA Ed. 1934, 1:24,000 (215SW).

Examination

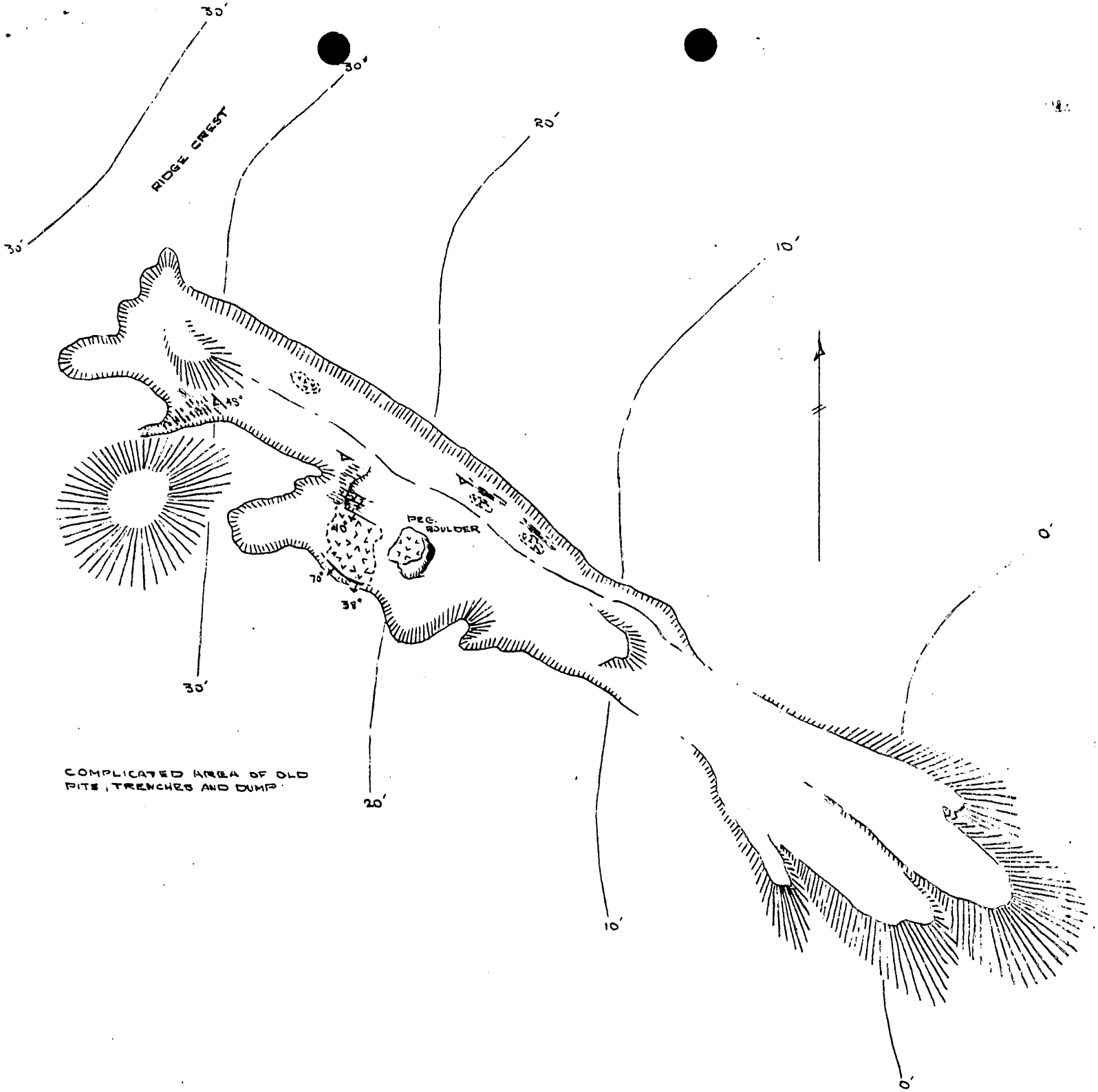
The examiners were accompanied by Messrs. Willie Daniels and J. P. Cuthbertson on an examination conducted on March 21, 1957. About 1 hour was spent at the mine site. A large N55°W-trending bulldozer trench, about 200 feet long, a maximum of 50 feet wide, and up to 15 feet deep has been

excavated in the recent past (?). It is superimposed on a complicated series of old prospecting pits, trenches, and shafts which lie within an area 150 feet west and southwest of the bulldozer cut. The old works date back approximately 40 years and reportedly were worked by Ben Franklin and Willie Hurt. There are no exposures of pegmatite in this area, only a scuttered rubble of badly weathered pegmatite pegmatite, country rock and massive quartz float. Only a large number of shallow depressions and low earthy mounds remain to mark the old mining efforts, very much resembling a shell-pocked battlefield.

The site is easily accessible from the gravel, all-weather, Hughes Road from which a car can traverse the 1600 feet to the site in dry weather. There are no current mining or exploration efforts and no equipment, supplies or other improvements at the site.

GEOLOGY

The only pegmatite in place, is in the fairly recent bulldozer trench. Three small isolated exposures of pegmatite, scattered over a distance of about 90 feet, are exposed on the northeast wall of the cut. The exposures show no contacts and are roughly semicircular and from 2 to 5 feet across. On the opposite or southwest side of the trench is exposed an 18-foot-thick section of pegmatite from hanging wall contact to footwall contact. The structure is concordantly emplaced in a deeply weathered mica gneiss which has an attitude of N45°-70°W, 30°-70°SW. Float at the site indicates the presence of interlayered hornblende gneiss. The footwall contact at this exposure has an attitude of N63°W, 40°SW, shile the hangingwall contact has an attitude of N45°-70°W, 38° to 70°SW. The sharp convergence



LEGEND

- PERTHITE-OLIGOCLASE PEGMATITE
- WEATHERED MICA GNEISS
- EXCAVATION
- DUMP

THE WILLIE KNOB MINE
AVERY COUNTY, NORTH CAROLINA

DMEA-4624 (MICA)

SCALE: 1" = 40'

SCB 3/87

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/11	Anderson	600
2/11	Houk	600
2/11	Selfridge	130
"	[illegible]	110
"	[illegible]	100
2/13	C	220

600

600

FEB 11 1957

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

Re: Docket No. DMEA-4624-Mica
The Willie Knob Mining Co.
The Willie Knob Mine
Avery 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 February 4 and 6, 1957, by Mr. E. 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.

If a contract is recommended the applicant should be required to give a metes and bounds description of the total acreage within which the leased parcel of land is located, and to show an accurate measurement and compass bearing from the proposed DMEA work to the closest identifiable corner. The bounding owners should also be shown.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (2/13)

Approved:

Frank D. Lamb (2/13)
Member, Bureau of Mines

Thor H. Kiilsgaard (2/13)
Member, Geological Survey

WCAnderson:gad 2/11/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Enclosures 5

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
2/11	Anderson	600
2/11	Houk	600
2/11	Gillespie	130
"	Johnson	110
"	Mittendorf	100
		220

600

FEB 11 1957

The Willie Knob Mining Co.
c/o Mr. Lewie Aldridge
Spruce Pine, North Carolina

Re: Docket No. DMEA-4624-Mica
The Willie Knob Mining Co.
The Willie Knob Mine
Avery County, North Carolina

Lamb
Kiilsgaard

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. 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,

E. O. Mittendorf

Administrator

WCAnderson:gad 2/11/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.L.

8623

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

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DATE	INITIALS	CODE
2/8	C	220
2/11	Hook	600

February 6, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4624 (mica)

Applicant: The Willie Knob Mining Co., (Lewie Aldridge)

Name and Location of Property: Willie Knob Mine, Avery County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 2/1/57

Comments:

1. Applicant states this is an old mine with some shafts and tunnels cut about 40 years ago, and that a great deal of green mica was obtained; however, no data available in this office on subject mine.

2. Unit costs estimated by the applicant are in line with other DMEA projects; but there appears to be an excessive amount of bulldozing proposed.

3. It appears a field examination is necessary to determine the feasibility of a project.

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:

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D M E
RECEIVED FEB 5 1957

DATE	INITIALS	CODE
2.5	C	220
2-7	Houk	600

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

February 4, 1957

Re: DMEA 4624
Willie Knob Mining Co.
Willie Daniels Mine
Avery Co. N. C.
$7,115 - Mica

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring a pegmatite said to have been the site of an old time mine from which good mica was taken.

About 10 x 10 feet of vein is now exposed and mica and feldspar are showing.

The work proposed consists of bulldozing, 300 hours and drifting 100 feet.

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.

February 1, 1957

Willie Knob Mining Company
c/o Mr. Lewie Aldridge
Spruce Pine, N. C.

Subject: DMEA-4624

Dear Mr. Aldridge

Your application for exploration assistance, dated January 25, 1957 submitted to our office at Knoxville, has been assigned Docket Number DMEA-4624 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,

(Sgd) Allen S. Dakan

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region V. Knoxville, Tennessee

Code 600

6416

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DATE	INITIALS	CODE
		1302
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT BY FIELD TEAM
REGION V

DMEA-4624, WILLIE KNOB MINE (mica)

Avery County, North Carolina

S. C. Bergman - E. L. Boudette, Geologists
U. S. Geological Survey

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

April 5, 1957

Reviewed by
DMEA OPERATING COMMITTEE
4-12-57
(date)

of the contacts to the northwest and the complete lack of pegmatite in a well-exposed section about 45 feet to the northwest suggests a lenticular nature for the structure. The exposed pegmatite is composed of a mixture of medium-grained buff colored perthite which is more or less centrally located in the pegmatite, kaolinized plagioclase, and very minor amounts of disseminated quartz. No muscovite was seen in place in the exposure. The indicated potash to soda feldspar ratio is at least 3 to 1. A few scraps of muscovite noted were green colored, predominantly wedge "A" and badly intergrown with fine biotite.

CONCLUSIONS AND RECOMMENDATIONS

What little pegmatite is to be seen in place exhibits a rather poor mineralogic environment for the occurrence of strategic grade muscovite. The few scraps of muscovite observed at the site were not of strategic grade. Because of the negative criteria present at the site, the examiners recommend that the application be denied.

The presence of massive float quartz in the area to the west suggests that a more favorable mineralogic environment is present in that area, but there is no target of any kind exposed. There is the suggestion that structural continuity in the area is poor.

S. C. Bergman - E. L. Boudette
Geologists, USGS

L. E. Shirley
Mining Engineer, USBM

as