DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E NO. _____

DMEA NO. 4841

Application
- [ ] Denied
- [x] Withdrawn

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

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

Folder No. 1:

Left Side

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

Right Side

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

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

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

Additional Folders:

Left Side

Folders No. _____: Reports

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

Right Side

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

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

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty material

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

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

RECEIVED
OCT 2 1957
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Cleveland State of North Carolina, described as follows: 2/

BEGINNING on a pine in the Guy Hestings line and running an easterly direction 235 poles to an oak; thence northwardly 235 poles to a stake; thence westerly 235 poles to a pine; thence a southerly direction 235 poles to the BEGINNING.

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

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

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

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

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

None

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

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

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

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

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

Dated this 28th day of September, 1957.

Lorna Ledford [Seal] _____ [Address]

_____ [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

RECEIVED
OCT 2 1957
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

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BEGINNING on a pine in the Guy Hestings line and running an easterly direction 235 poles to an oak; thence northwardly 235 poles to a stake; thence westerly 235 poles to a pine; thence a southerly direction 235 poles to the BEGINNING.

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;

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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 28th day of Sept., 195 7

Lonu Ledford [Seal] _____ [Address]

_____ [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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D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Cleveland State of North Carolina, described as follows: 2/

BEGINNING on a pine in the Guy Hastings line and running an easterly direction 235 poles to an oak; thence northwardly 235 poles to a stake; thence westerly 235 poles to a pine; thence a southerly direction 235 poles to the BEGINNING.

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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;

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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 28th day of Sept., 1957.

Lonn Ledford [Seal] _____ [Address]

_____ [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

RECEIVED
OCT 2 1957
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

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Beginning on a pine in the Guy Hastings line and running on westerly direction 235 poles to an oak; thence northwesterly 235 poles to a stake; thence westerly 235 poles to a pine; thence a southerly direction 235 poles to the beginning.

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--

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Dated this 28th day of Sept., 1957.

Lonn Ledford [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

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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 _____

RECEIVED
OCT 2 1957
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Cleveland State of N.M., described as follows: 2/

Beginning at a point in the Gay Lookings line and running in easterly direction 235 rods to an ash; thence northerly 235 rods to a stake; thence westerly 235 rods to a pine; thence a southerly direction 235 rods to the beginning.

_____,
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--

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

Dated this 28th day of Sept., 1957.

Lorne Ledford [Seal] _____ [Address]

_____ [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]

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

WASHINGTON 25, D.C.

September 30, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 2 1957

DATE	INITIALS	CODE

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Application - Dave Wise, et al. R#3, Newland, N.C.
Lona Ledford Property, Cleveland County, N.C.

Attached are three copies of the subject application, five signed copies of MF-205 and one copy of ~~for~~ the Mining Lease. One copy of the application has been retained in this office for our use.

Robert A. Laurence

Robert A. Laurence

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

Office
~~EXTRA COPY~~
DMEA
RECEIVED OCT 2 1957

DATE	INITIALS	CODE

September 30, 1957

Mr. Warren H. Pritchard

Spruce Pine, North Carolina

Dear Mr. Pritchard:

The application of Dave Wise, et al, for aid in exploration for strategic mica at the Lona Ledford property in Cleveland County, North Carolina has been forwarded to our Washington office in accordance with established procedure. We will notify Mr. Wise if an examination is to be made.

No address was given on the Consent to Lien for Mrs. Lona Ledford, the land owner. Can you supply this address?

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/zm
cc
Opr. Com.-2
Lynch
Shirley

M3, Newland, N.C.

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)

DAVE WISE, RAY WISE, VELMA WISE & DELMAR WISE
Rt #3, Newland, North Carolina

RECEIVED 2 OCT 1957 D.M.E.A.

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4841
Date Received: 10/2/57
Government Participation %:
Region: V
Division Code: 600

BUSINESS ORGANIZATION (Check one)

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

State in which firm is organized: NC

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Dave Wise	Rt 3, Newland, NC	Partner
Ray Wise	"	"
Velma Wise	"	"
Delmar Wise	"	"

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

Estimated Cost of Project: $ 4550.00

LOCATION OF PROPERTY

Name	County	State
Lona Ledford	Cleveland	NC

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.

Dave Wise, Ray Wise, Velma Wise & Delmar Wise

Sept. 28, 1957.
Dated

By Dave Wise
BY *(Signature)*

Partner
Title

SEP 30 1957

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

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

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

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

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

2. *Physical Description:*

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

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

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

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

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

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

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

3. *Accessibility of Project:*

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

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

4. *The Exploration Project:*

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

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

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

5. *Experience:*

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

6. *Estimate of Costs:*

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

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

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

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

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

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration 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) Cleveland County, N. C. BEGINNING on a pine in the Guy Hestings line and running an easterly direction 235 poles to an oak; thence northwardly 235 poles to a stake; thence westerly 235 poles to a pine; thence a southerly direction 235 poles to the BEGINNING.
(b) None
(c) Lessee
(d) None.

2, (a) Minor workings
(b) None
(c) Good prospect
(d) Unknown
(e) Vein
(f) Prospect shows good ruby mica prospect
(g) None

3(a) Dave Wise, Rt 3, Newland, N. C.-Mine located in Cleveland County, N. C. about 4 miles north of Polkville, N. C.
(b) Spruce Pine Govt. Mica Depot is some 65 miles away.

4(a) Bull doze then sink shaft 40 feet and drift 30 feet each way
(b) None
(c) Begin within 30 days-complete 3 months later.

5. Several years

6. Estimate of Costs:

Bulldozing	300.00
Gas & Oil	500.00
Steel	150.00
Explosives	600.00
Labor: 5 hands @ $1 per hr. 5 days week, 8 hr, days for 12 wks	2400.00
Miscellaneous	200.00
Contingencies	400.00
TOTAL	$4550.00

7. (a) Yes
(b) Have own machinery and equipment.

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 2 1957

DATE	INITIALS	CODE

MINING LEASE

State of North Carolina Cleveland County:

This indenture made this 20 day of September, 1957 1953,

between Mrs. Lona Ledford, Widow

of Cleveland County and State of North Carolina as party of the first part, and known as lessor, and Dave Wise, Ray Wise, Velma Wise and Delmar Wise

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

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

BEGINNING on a pine in the Guy Hestings line and running an easterly direction 235 poles to an oak; thence northwardly 235 poles to a stake; thence westerly 235 poles to a pine; thence a southerly direction 235 poles to the BEGINNING.

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

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said party of the first part, or his or their heirs or assigns, a rental royalty of 1/8th of selling price of all mica where sold

on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

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

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

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

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

Witness:

Lona Ledford (Seal)

(Seal)

(Seal)

RECEIVED OCT 2 1957 D.M.E.A.

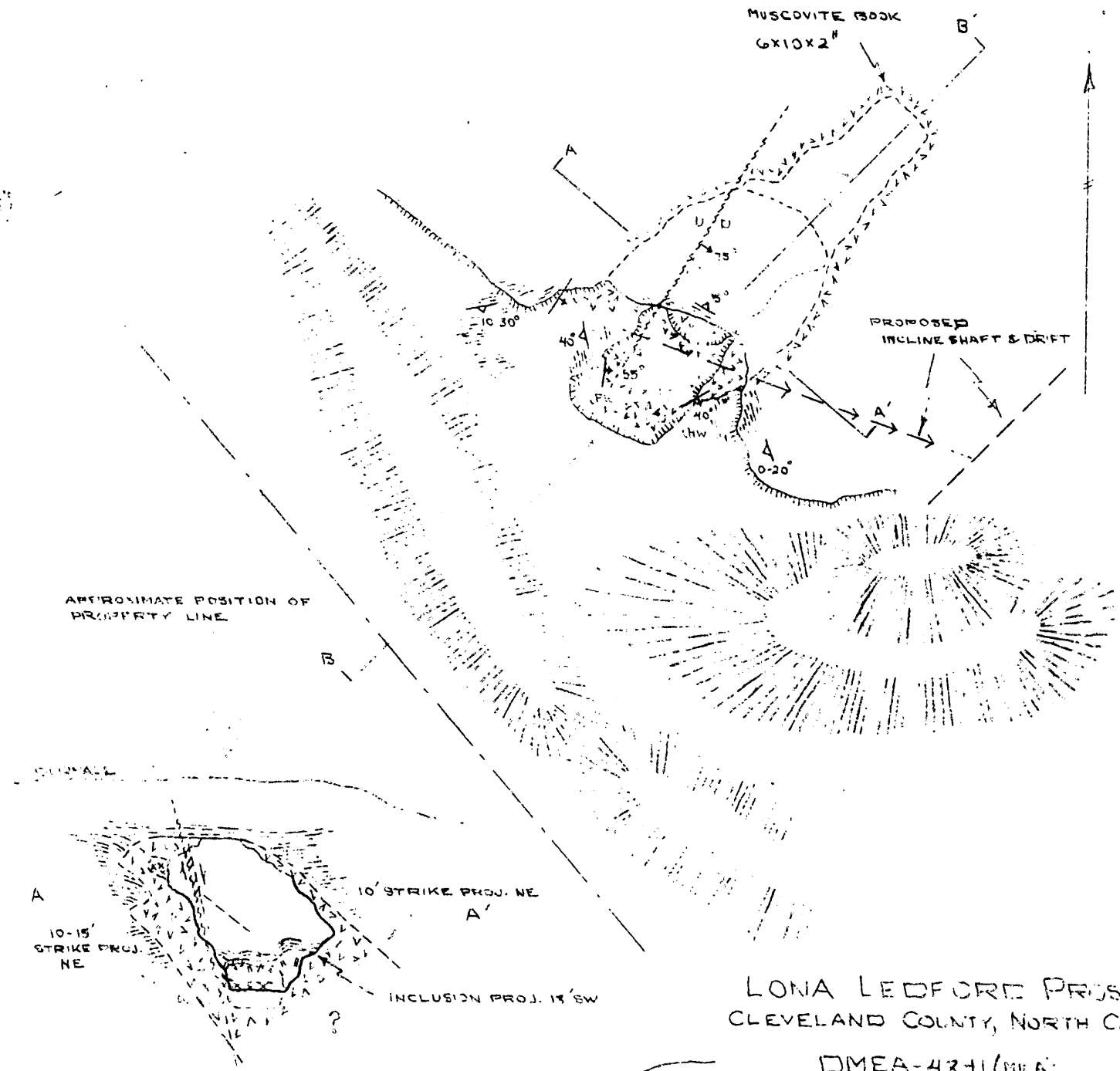
NORTH CAROLINA
CLEVELAND COUNTY

I, T. F. Morrison, Notary Public, hereby certify that Mrs. Lona Ledford, widow, personally appeared before me this date and acknowledged the due execution by her of the foregoing LEASE for the uses and purposes therein expressed.

Witness my hand and notarial seal this the 20th day of September 1957.

T. F. Morrison
Notary Public

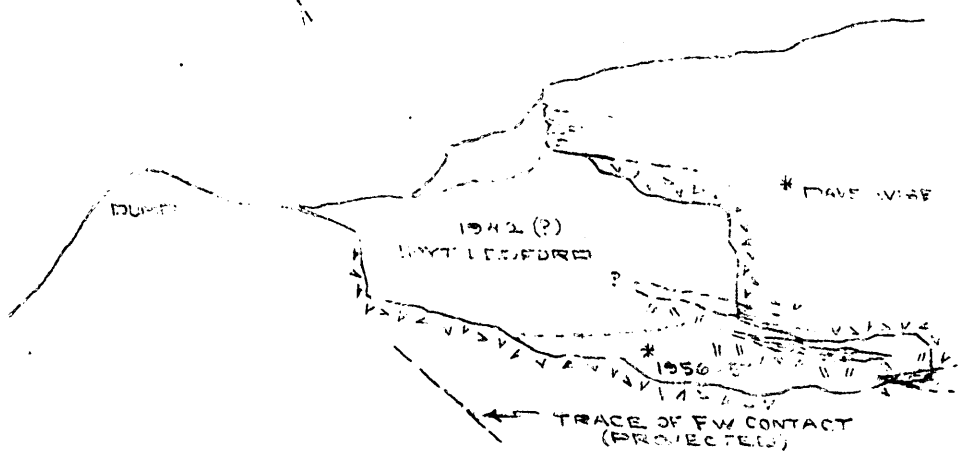
My commission expires: 3/14/1958



LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA

DMEA-4341 (MEA)

SCALE: 1" = 20'



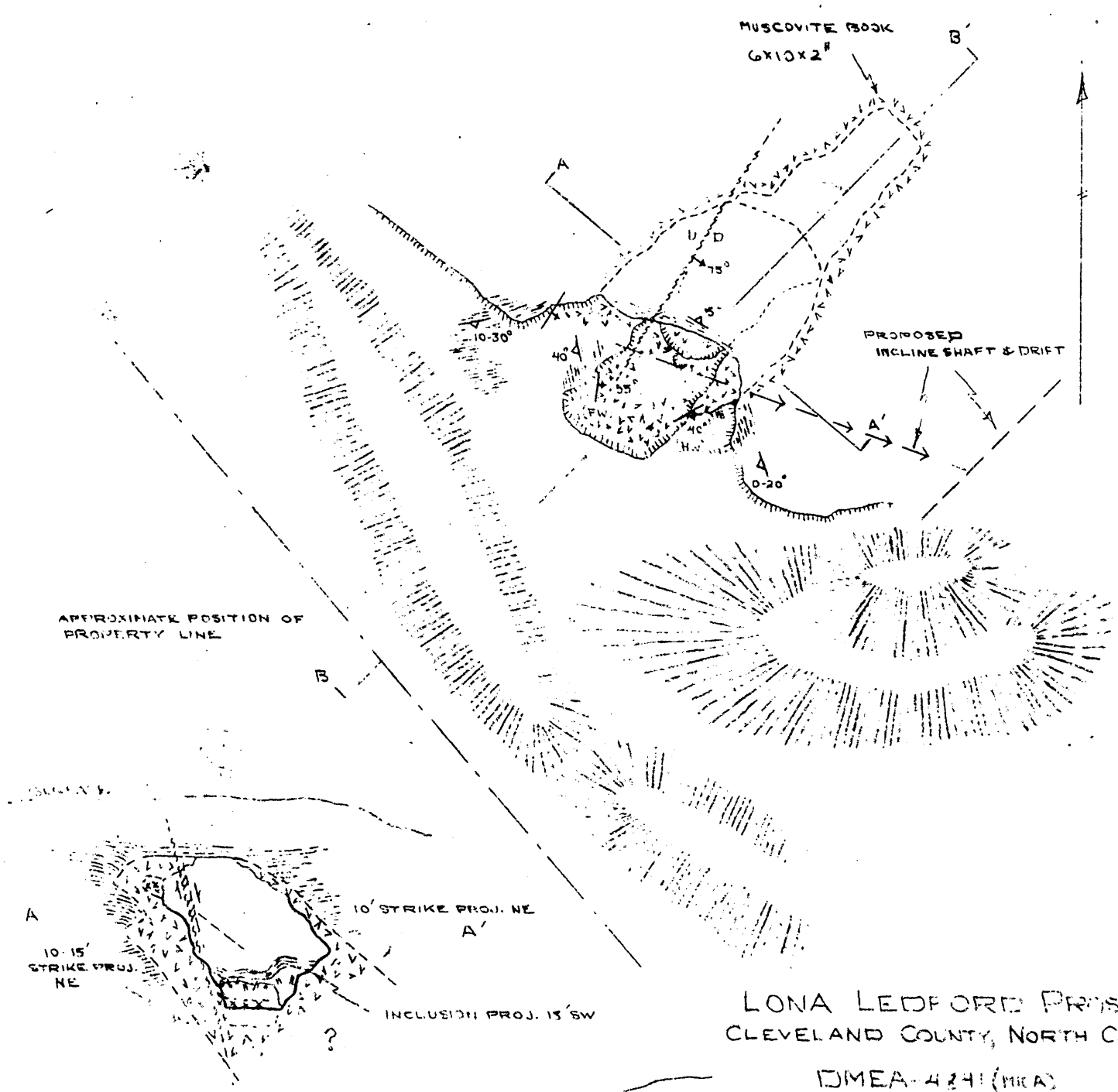
LEGEND

- FLAG. - QTZ - MUSCOVITE PEGMATITE
- MUSCOVITE - RICH ZONE
- QTZ. - MUS. - BIO. - SILLIMANITE SCHIST INTERLAYERED QTZ - FLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- [illegible]

SEPT. 11, 67

EXTRA COPY
DMEA
RECEIVED 1958

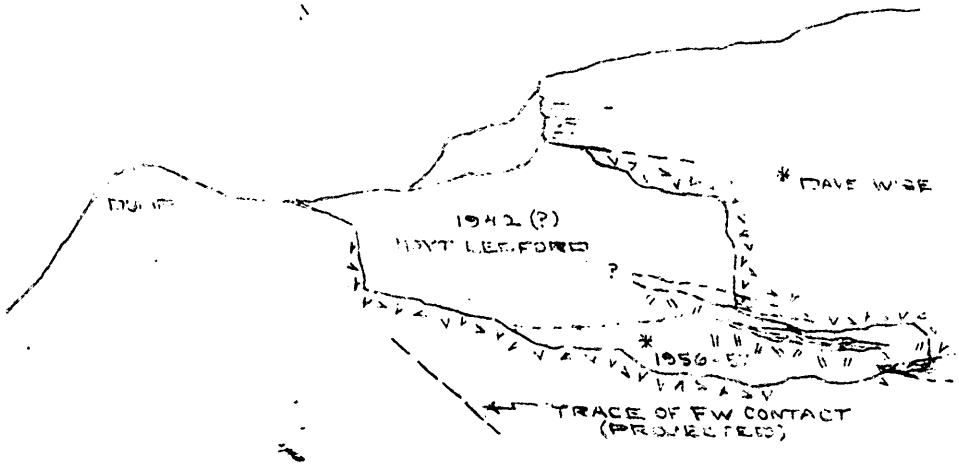
DATE		CODE



LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA

DMEA-4241 (MICA)

SCALE: 1" = 20'



LEGEND

- PLAG. - QTZ - MUSCOVITE PEGMATITE
- MUSCOVITE-RICH ZONE
- QTZ.-MUSC.-FIB.-SILLIMANITE SCHIST INTERLAYERED QTZ-PLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- DUMP

SCCS 11/57

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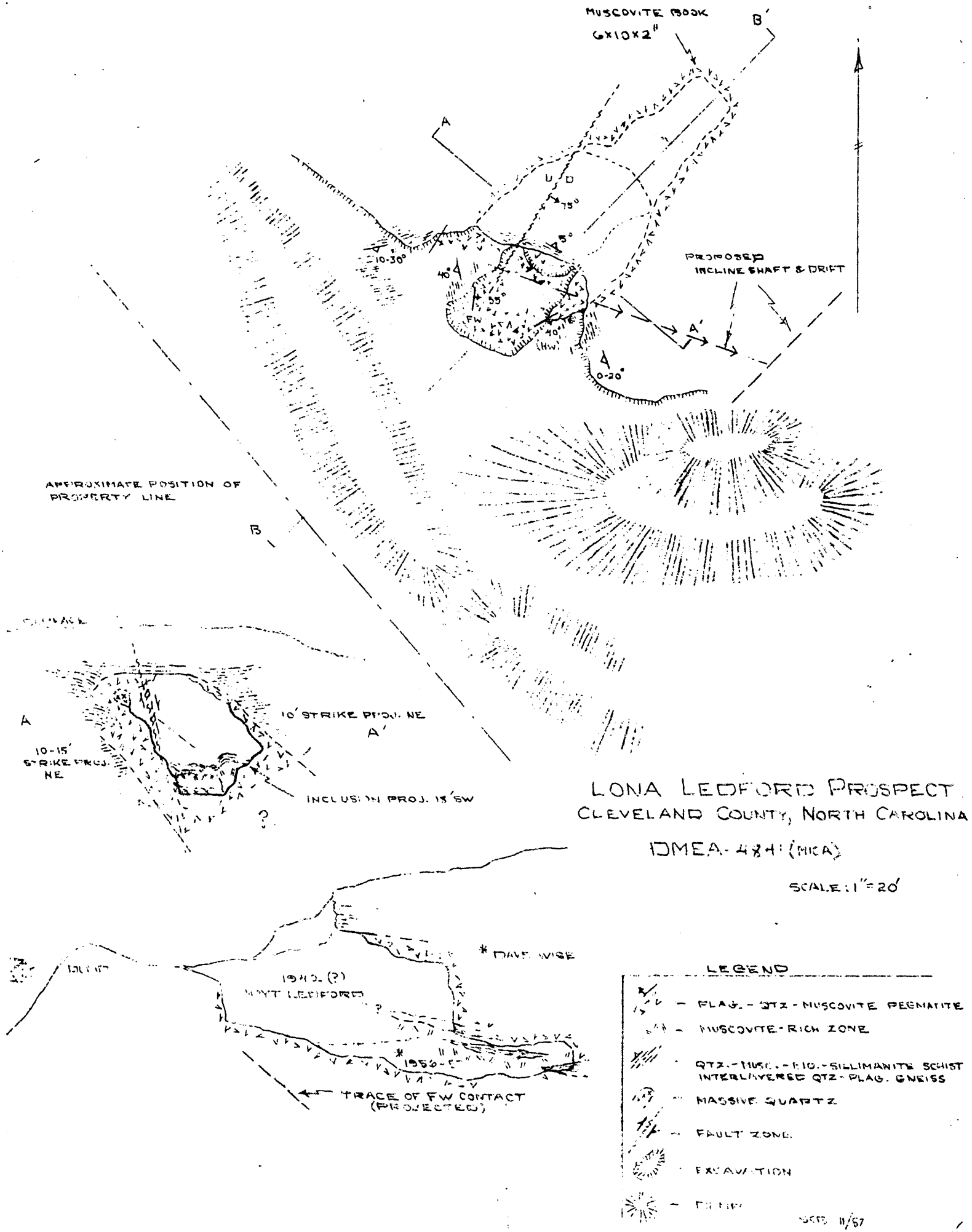
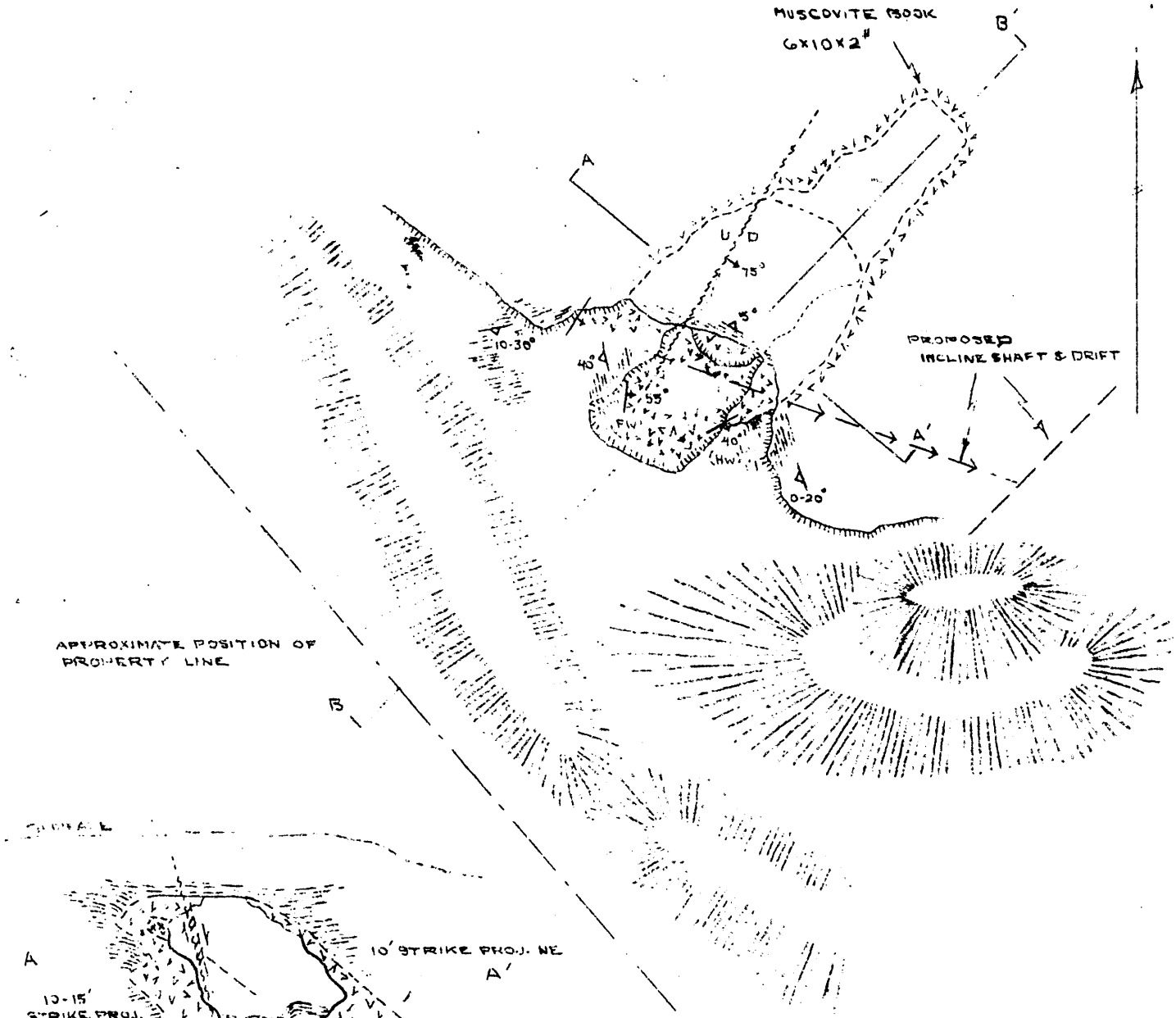
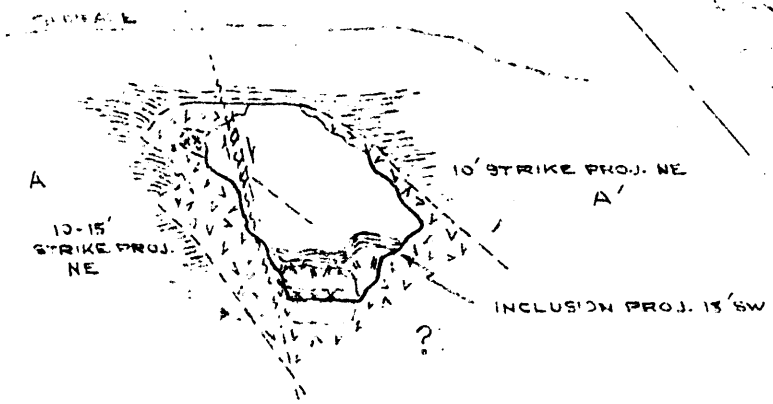
DMEA
RECEIVED JAN 0 1958

DATE	INITIALS	COPY


MUSCOVITE BLOCK
6x10x2"
B'
A
U D
75°
5°
10-30°
40°
55°
FW
40°
HW
PROPOSED
INCLINE SHAFT & DRIFT
A'
0-20°
APPROXIMATE POSITION OF
PROPERTY LINE
B
10' STRIKE PROJ. NE
A'
A
10-15'
STRIKE PROJ.
NE
INCLUSION PROJ. 13' SW
?
LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA
DMEA-4841 (MICA)
SCALE: 1" = 20'
* DAVE WISE
1942 (?)
HOYT LEDFORD
?
1956
TRACE OF FW CONTACT
(PROJECTED)
LEGEND
- PLAG.-QTZ-MUSCOVITE PEGMATITE
- MUSCOVITE-RICH ZONE
- QTZ.-MUSC.-BIO.-SILLIMANITE SCHIST
INTERLAYERED QTZ-PLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- DUMP
SEP. 11/67

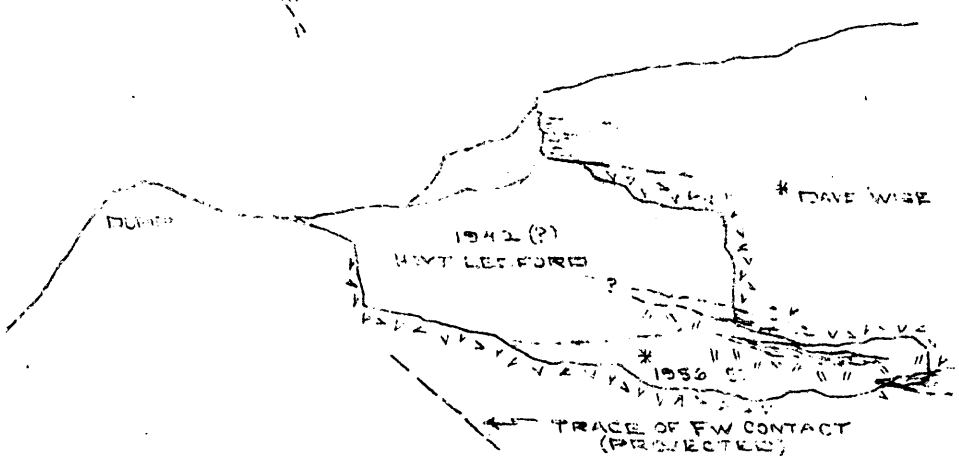




LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA

DMEA-4241 (MICA)

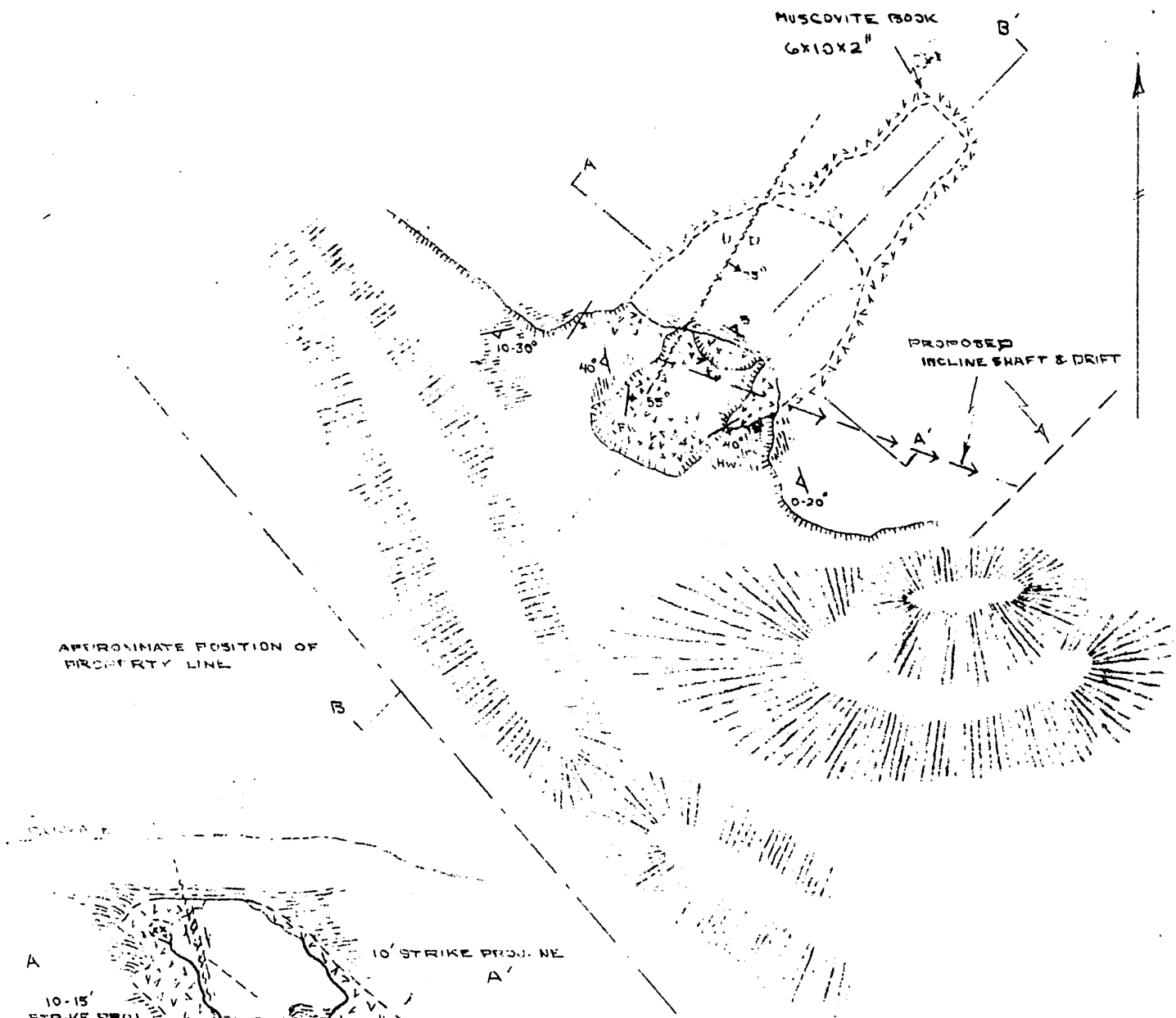
SCALE: 1" = 20'

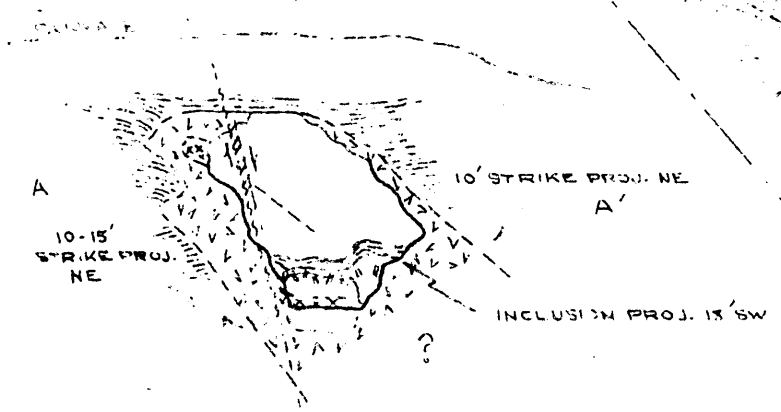


LEGEND

- PLAG. - QTZ - MUSCOVITE PEGMATITE
- MUSCOVITE-RICH ZONE
- QTZ.-MUSC.-PIO.-SILLIMANITE SCHIST INTERLAYERED QTZ-PLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- DUMP

GGTS 11/57

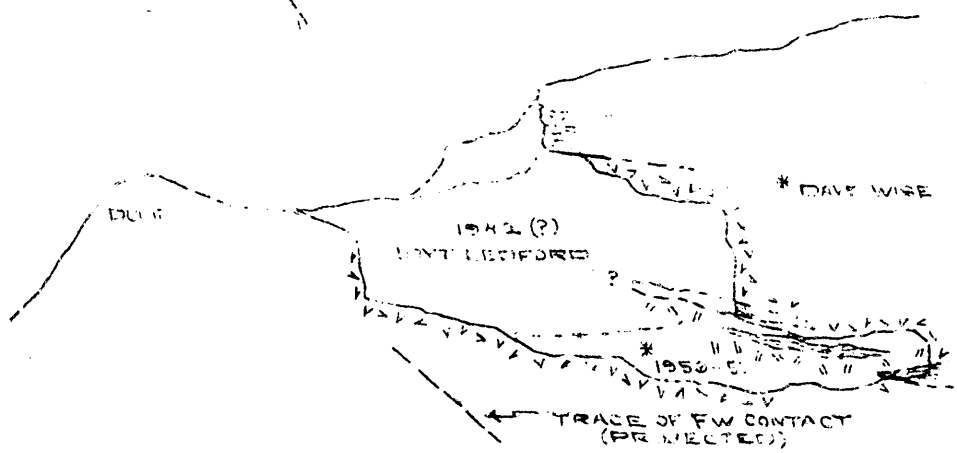




LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA

DMEA-4241 (MICA)

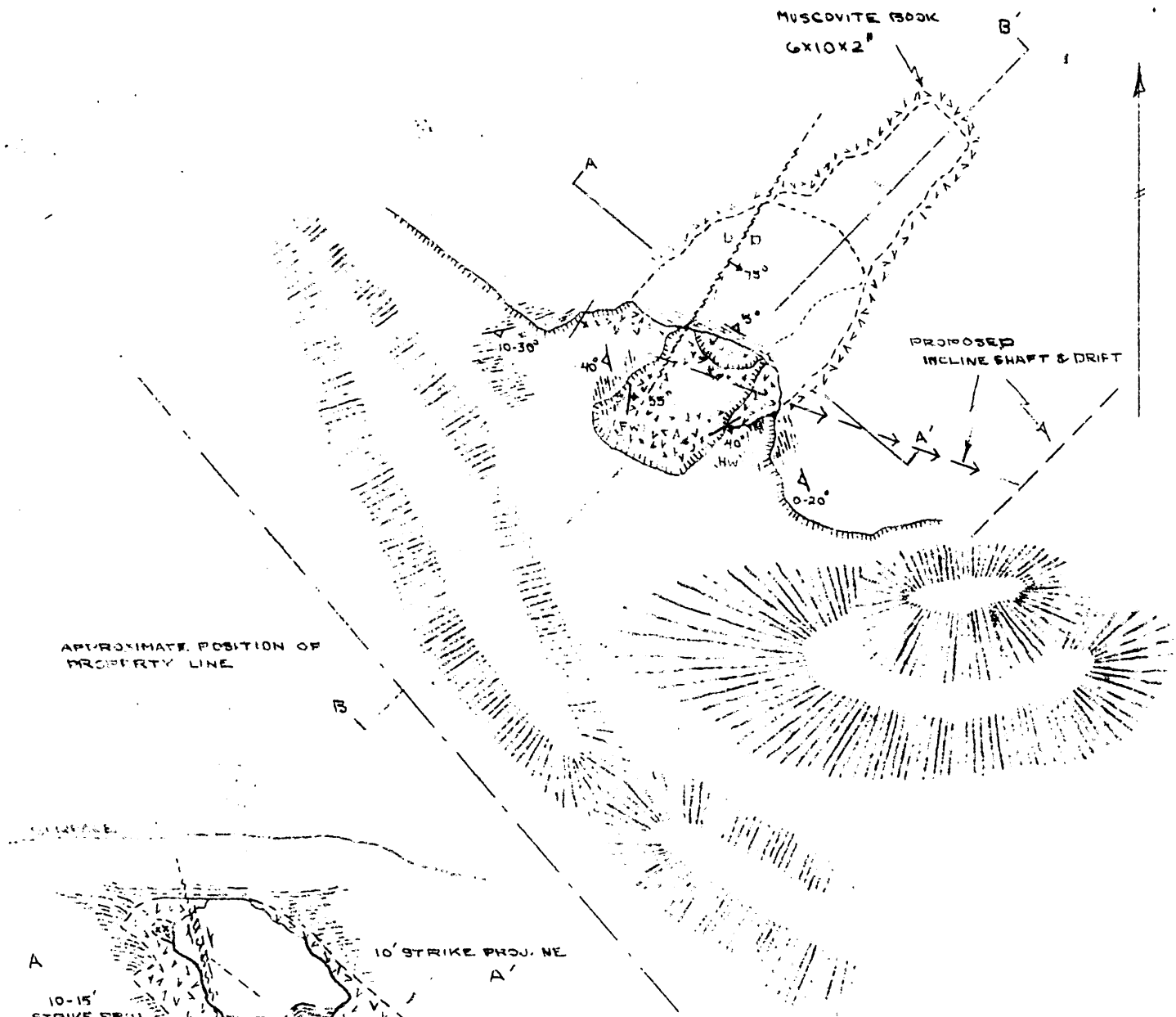
SCALE: 1" = 20'

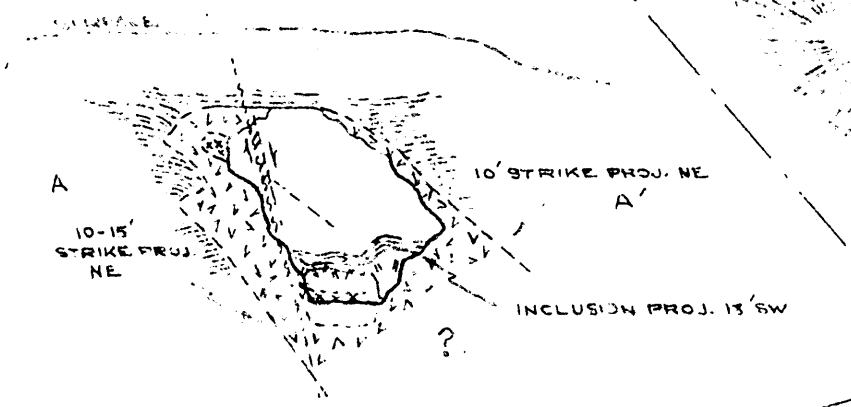


LEGEND

- PLAG. - QTZ - MUSCOVITE PEGMATITE
- MUSCOVITE-RICH ZONE
- QTZ. - MISC. - FIB. - SILLIMANITE SCHIST INTERLAYERED QTZ - PLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- [illegible]

SCS 11/57

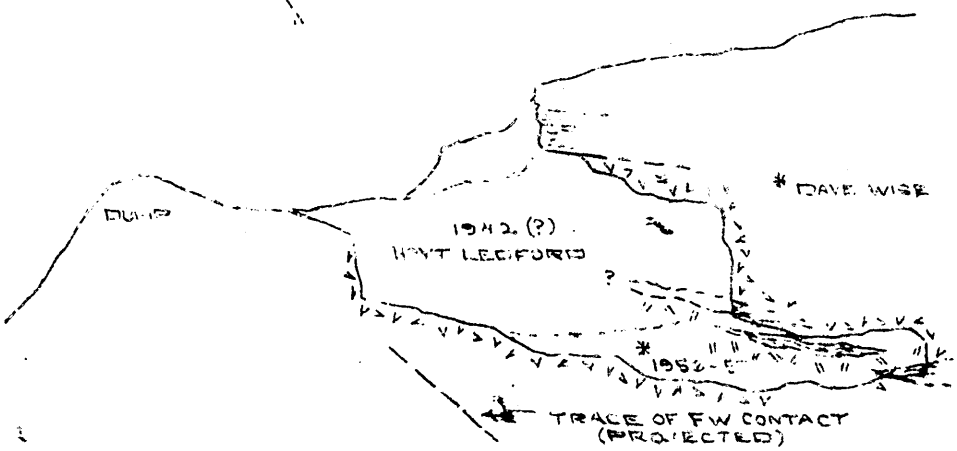




LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA

DMEA-4281 (MKA)

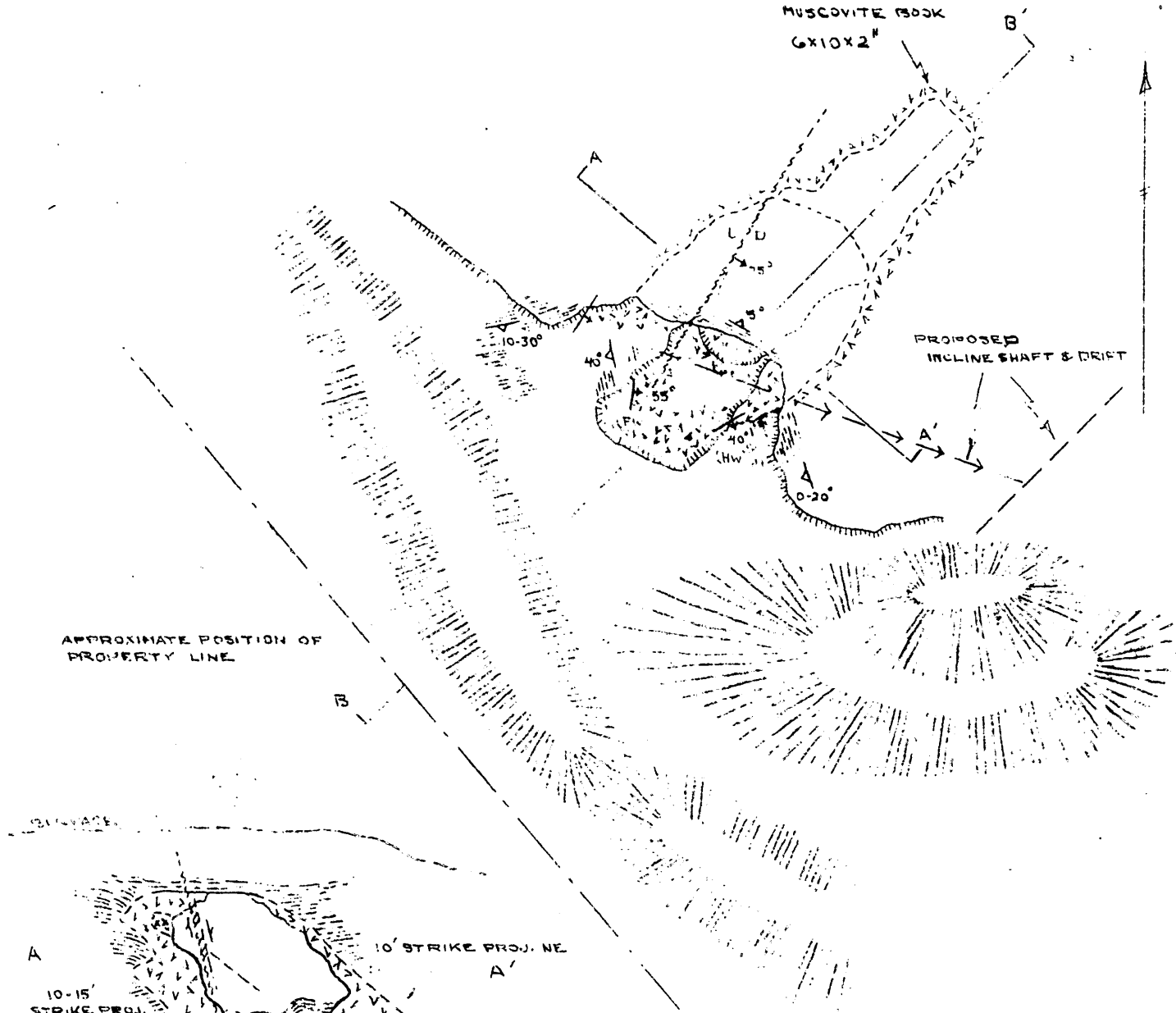
SCALE: 1" = 20'

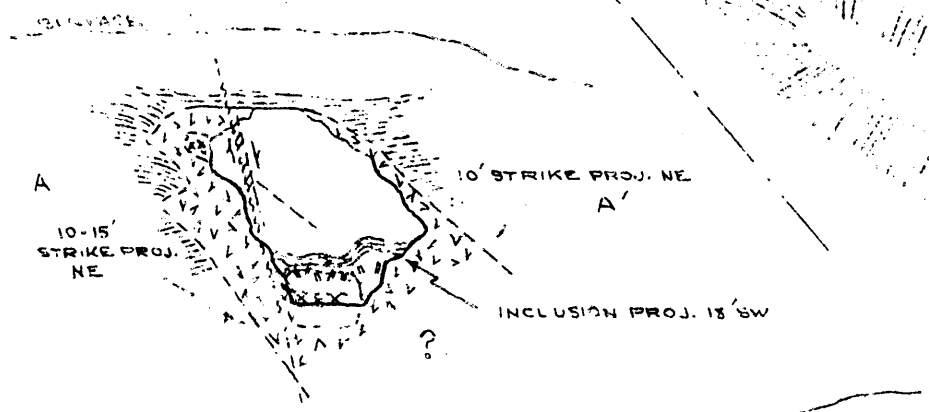


LEGEND

- FLAG. - QTZ - MUSCOVITE PEGMATITE
- MUSCOVITE-RICH ZONE
- QTZ.-MUSC.-FID.-SILLIMANITE SCHIST INTERLAYERED QTZ-FLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- DUMP

BCTS 11/67

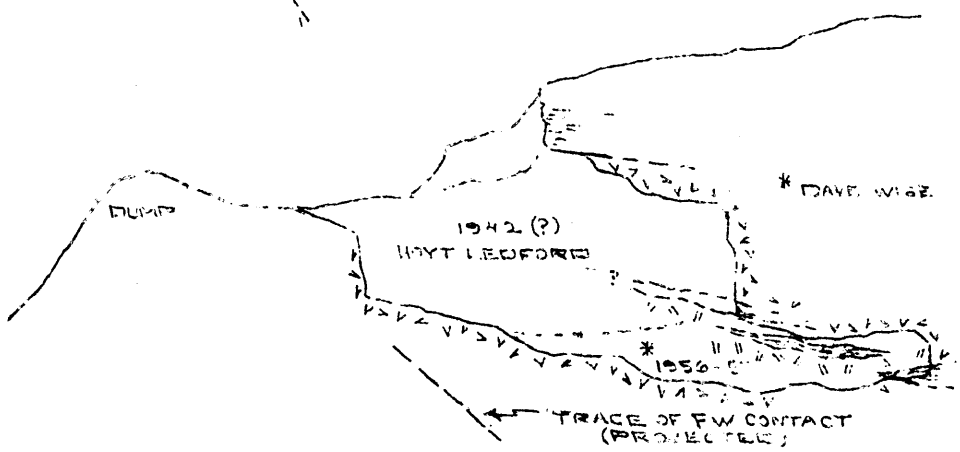




LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA

DMEA-4241 (MICA)

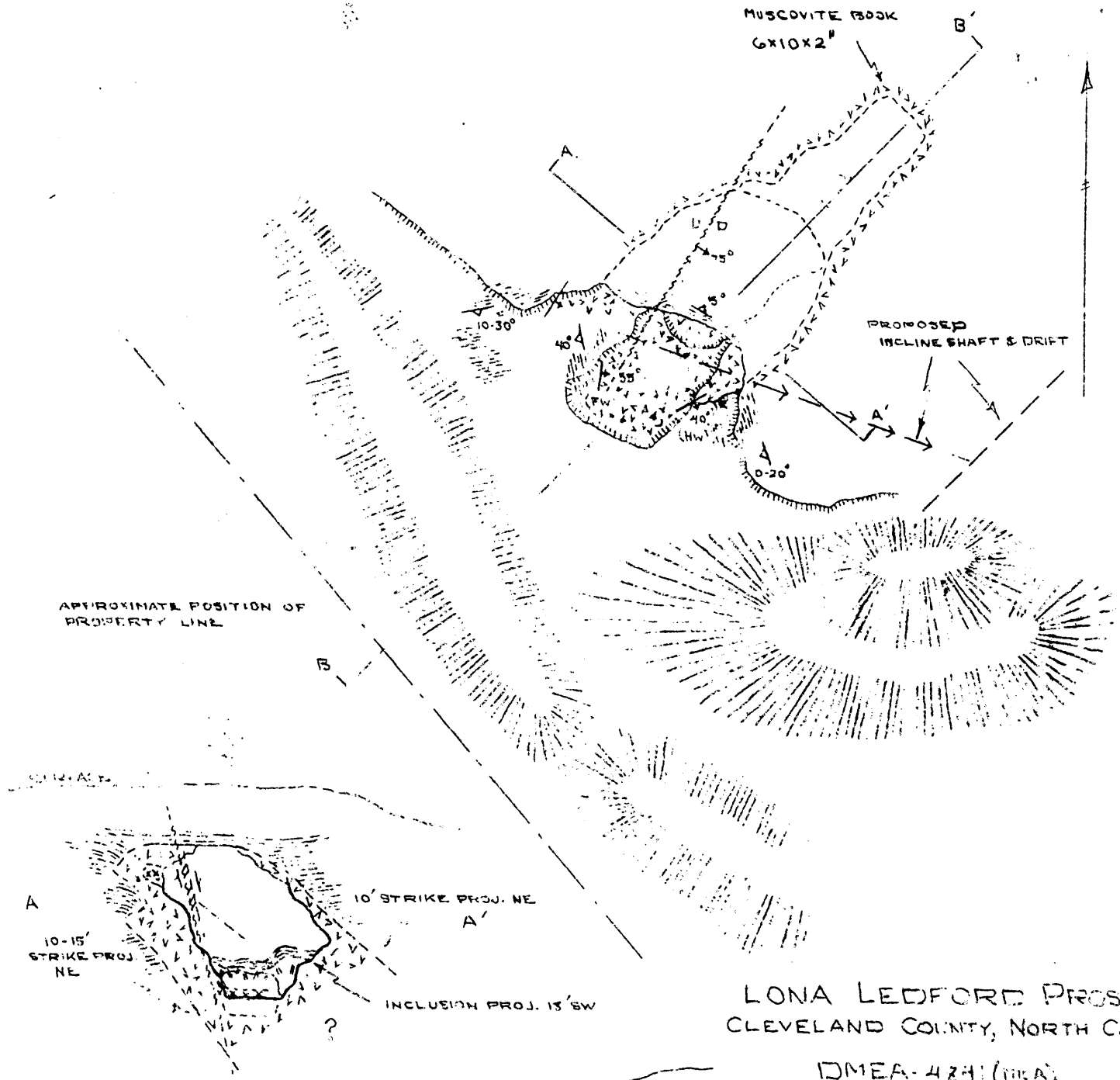
SCALE: 1" = 20'



LEGEND

- PLAG. - QTZ - MUSCOVITE PEGMATITE
- MUSCOVITE-RICH ZONE
- QTZ.-MUSC.-BIO.-SILLIMANITE SCHIST INTERLAYERED QTZ.-PLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- DUMP

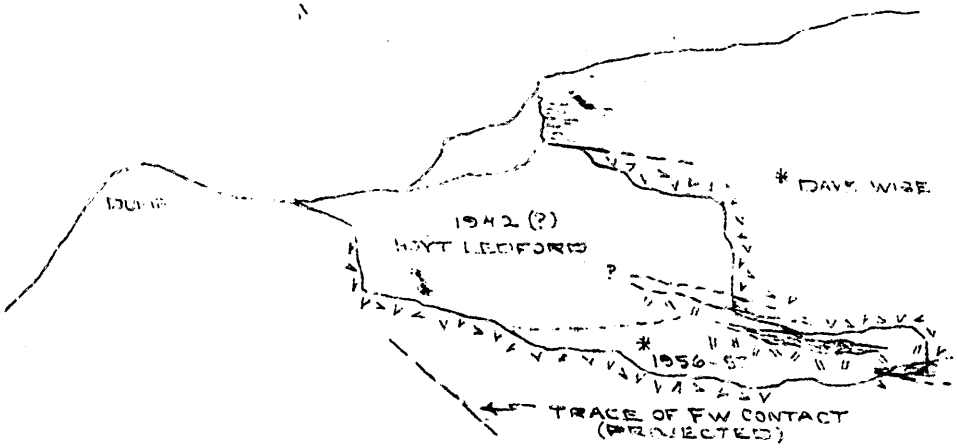
SCTS 11/57



LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA

DMEA-424 (MCA)

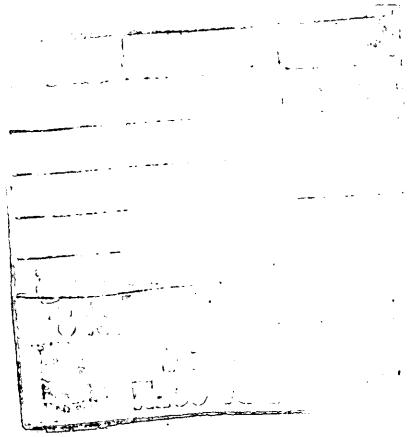
SCALE: 1" = 20'



LEGEND

- PLAG. - QTZ - MUSCOVITE PEGMATITE
- MUSCOVITE-RICH ZONE
- QTZ.-MUSC.-BIO.-SILLIMANITE SCHIST INTERLAYERED QTZ-PLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- DUMP

SCTS 11/57



DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/26	Anderson	600
3/26	Houk	600
"	Johnson	110
"	Weatherday	100
		220

600

MAR 27 1958

Mr. Dave Wise
Route 3
Newland, North Carolina

Re: Docket No. DMEA-4841-Mica
Dave Wise, et al.
Lona Medford Property
Cleveland County, North Carolina

Dear Mr. Wise:

This is with reference to our letters of October 11, 1957, January 23 and February 25, 1958, requesting additional information needed to process the subject application.

As we have not received any reply to our letters, we are considering your application as having been withdrawn and are placing it in our inactive files.

We regret the necessity of taking such action, however, it is taken without prejudice to your proposed project. If at some future time you desire to reopen this case, you may do so by filing a new application, referring to the subject application by the DMEA Docket Number, and furnishing the information previously requested, together with any other information that you think might be helpful.

Sincerely yours,

C. D. Whitehead (for)

Administrator

WCAnderson:rsi 3/26/58
Copy to: Admr. R. File
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/26	Anderson	600
3/26	Houk	200
		220

600

March 26, 1958

Memorandum

To: Mr. Allen S. Dakan, Chief
Operations Control and Statistics Division

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

Subject: Withdrawal of application - Docket No. DMEA-4841-Mica
Dave Wise, et al.
Lona Medford Property
Cleveland County, North Carolina

We are notifying the applicant that since data needed to continue processing the subject application had not been received by March 25, 1958, we are considering the matter closed.

The subject application may be withdrawn from the pending category and placed in the withdrawn.

Walter C. Anderson

Walter C. Anderson

WCAnderson:rsi 3/26/58
Copy to: Admr. R. File
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/24	Anderson	600
2/25	Houk	600
"	Rutendorf	100
2/25	C	220
		6050

600

FEB 25 1958

Mr. Dave Wise
Route 3
Newland, North Carolina

Re: Docket No. DMEA-4841-Mica
Dave Wise, et al.
Lona Medford Property
Cleveland County, North Carolina

Dear Mr. Wise:

Reference is made to our letter of January 23, 1958, requesting additional information concerning the subject application for exploration assistance.

We wish to cooperate with you fully in allowing ample time to supply the requested information; however, we cannot indefinitely postpone action on an application. Therefore, if we do not receive the requested information within 30 days from the date of this letter, we will assume that you are no longer interested in proceeding with your application, and we will consider it as having been withdrawn.

Sincerely yours,

G. O. Williams (for)

Administrator

WCAnderson:rsi 2/24/58
Copy to: Admr. R. File
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/22	Anderson	600
1/22	Houk	600
"	Johnson	110
"	Rutledge	100
1/23	gb	220
		600

600

JAN 23 1958

Mr. Dave Wise
Route 3
Newland, North Carolina

Re: Docket No. DMEA-4841-Misc
Dave Wise, et al.
Lona Medford Property
Cleveland County, North Carolina

Dear Mr. Wise:

In our letter of October 11, 1957, you were requested to furnish the location of the proposed exploration work on the leased property, that is, the distance and bearing to the nearest identifiable corner, and the book and page numbers of the deed recording in the Cleveland County Office.

You will need additional acreage for adequate dumping space. Please obtain a lease on a sufficiently large strip of the adjacent property for this purpose and forward a copy to this office. Five copies of the Consent to Lien and Subordination Agreement are enclosed for completion by you and execution by the adjoining landowner.

We will withhold the processing of your application until we receive all of the above-requested information.

Sincerely yours,

Lawrence G. Houk, Director
Division of Nonmetallic Minerals

Enclosures 5

WCAnderson:gad 1/22/58
Copy to: Admr. R. File
Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

1/21/58

Exploration Project Contract
Dave Wise, et al
Docket No. Ouva-4841

Annex I

The land referred to in Article 2 of the Contract consists of 350 acres, more or less, and is known as the Lona Ledford Property. The tract is located 3.58 airline miles N. 13° W. of the intersection of United States Highway 26 and State Route 10, just north of Polkville, Cleveland County, North Carolina. It is about 800 feet east of Highway 10 and about 400 feet north of Stoney Run Creek, and is described as follows:

Beginning on a pine in the Guy Hastings line and running an easterly direction 235 poles to an oak, thence northwardly 235 poles to a stake, thence westerly 235 poles to a pine, thence a southerly direction 235 poles to the Beginning.

The Operator is in possession by virtue of a lease dated September 20, 1957, from the owner, Mrs. Lona Ledford, Widow.

A Consent to Lien and Subordination Agreement, executed September 28, 1957, by the owner, is attached.

1/21/58

Exploration Project Contract
Dave Wise, et al
Docket No. DMEA-4841

Exhibit A

Description of the Work

Exploration for concentrations of strategic mica shall be performed in the area indicated on the attached map entitled "Lona Ledford Prospect, Cleveland County, North Carolina, DMEA-4841 (mica)," as follows:

1. Construct:

(a) A toolhouse, minimum dimensions 7 feet by 8 feet by 10 feet.
(b) A powder storage magazine, minimum dimensions 4 feet by 3 feet by 2½ feet.
(c) An exploder storage magazine, minimum dimensions 2 feet by 1½ feet by 1 foot.

The toolhouse may be unfloored; shall be made from unfinished lumber, with protective roof covering; and shall be equipped with lock and key.

The powder and exploder magazines shall be boxed on all sides; shall be made from 2-inch hardwood or 3-inch softwood lumber; and shall be braced at the corners. No metal shall be exposed; and the doors shall be equipped with the equivalent of a 5-tumbler jarproof lock.

2. From the surface, sink a two-compartment vertical or inclined shaft for a distance of not more than 50 feet

3. Explore the pegmatite by driving from or near the bottom of the shaft, not more than 120 feet of drifts and/or crosscuts.

The shaft and the drifts and/or crosscuts shall be timbered as necessary and shall have minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timbers.

All work shall be performed on the pegmatite or in as close propinity thereto as possible.

The location, inclination, direction, and extent of all work are subject to the approval of the Government.

Fixed Unit Costs

1. Construct:	Toolhouse 1/	$ 75.00	
	Powder magazine 1/	25.00	
	Explosive magazine 1/	14.00	$ 114.00
2. Sink a shaft 50 feet @ $45.00/ft.			$ 2,250.00
3. Drift and/or crosscut 120 feet @ $33.00/ft.			$ 3,960.00
Estimated total cost of project			$ 6,324.00
Government participation @ 75%			$ 4,743.00

1/ The completed work, constitutes the unit.

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

January 15, 1958

DMEA
RECEIVED JAN 16 1958

DATE	INITIALS	CODE
1/16	C	220
1/17	Hand	600

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4841 (mica)

Applicant: Dave Wise et al.

Name and Location of Property: Lona Ledford Prospect, Cleveland County, N. C.

Date of Field Team Report: 1/7/58

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 1/13/58

Field Team Recommendation: Recommend approval of a contract.

Comments:

1. A large discordant pegmatite at least 20 feet thick has been exposed for at least 65 feet along strike by underground excavation.
2. Strategic size muscovite is exposed around slab-like inclusions of schist.
3. Proposed exploration outlined by the field team is consistent with good engineering practices and estimated costs are in line with other DMEA projects.

Recommendation:

I concur with the recommendation of the field team that assistance be granted and work conducted as outlined in the field team report.

W. F. Dietrich

W. F. Dietrich

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RECEIVED JAN 15 1958

	INITIALS	CODE
1/15	gb	220
1/16	Houk	600

IN REPLY REFER TO:

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

January 14, 1958
Re: DMEA 4841
Dave Wise, et al
Lona Ledford property
Cleveland County, North Carolina
Applicant's Estimate $4,550 - Mica
Recommended Estimate $6,765

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 exploring a flatly dipping vein, on which some work had been done and which shows good ruby mica.

The examiners found a shallow stope in a 20-foot discordant, nonzoned pegmatite. Strategic size muscovite is present and possibilities of localizations of mica, downdip and adjacent to slablike inclusions of schist, are considered good enough to warrant the recommended work, consisting of 50 feet of inclined shaft and 120 feet of drifting.

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.

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1-9	C	220
1-10	WB	130
1/13	C	220
1/14	Zbuch	600

January 7, 1958

Memorandum

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

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

Subject: Examination Report, DMEA-4841 (Mica)
Dave, Ray, Velma and Delmar Wise, Route 3, Newland, N.C.
Lona Ledford Prospect, Cleveland County, North Carolina

Enclosed are the original and two copies of the field examination report on the Lona Ledford prospect. We recommend approval of a contract as outlined in the report. Eight extra copies of the map are enclosed.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 11

Reviewed by
DMEA OPERATING COMMITTEE
1-13-58
(date)

On-Site Exam Rpt.

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DATE	INITIALS	CODE
1-13	HB	130
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UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT
REGION V

DMEA-4841 (mica) LONA LEDFORD PROSPECT
Cleveland County, North Carolina

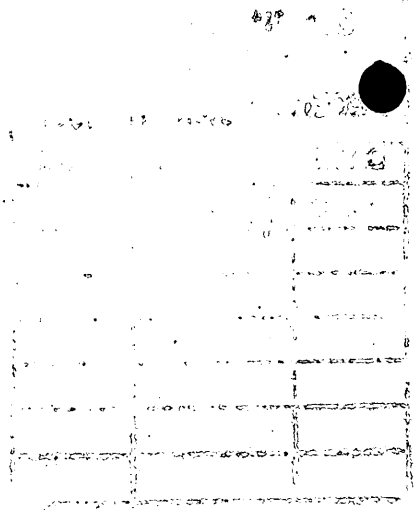
By

S. C. Bergman, Geologist
Geological Survey

S. A. Feitler, Mining Engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
1-13-58
(date)

January 7, 1958



FIELD EXAMINATION REPORT
On

DMEA-4841(mica) LONA LEDFORD PROSPECT
Cleveland County, N. C.

Applicant: Dave, Ray, Velma, and Delmar Wise, R#3, Newland, N.C.

SUMMARY

A large, discordant pegmatite at least 20 ft thick has been worked by means of a large shallow stope driven into the top of the shallow valley wall. The pegmatite trends northeast-southwest, dips moderately to the southeast, and has been exposed for at least 65 ft along strike by underground excavation (see map). Strategic size muscovite is localized around oriented slab-like inclusions of schist. Possibilities exist for other localizations downdip, both adjacent to inclusions and along the hangingwall contact. It is recommended that exploration be granted in the form of downdip incline and drift and/or crosscut.

INTRODUCTION

Location

The Prospect site is 3.58 airline miles N13°E of the intersection of US Highway 26 and State Route 10, just north of Polkville, Cleveland County, N. C. It is about 800 ft east of Highway 10, and about 400 ft north of Stoney Run Creek. Access is good except in wet weather by means of about 1000 ft of dirt farm road. The site is located in the North-central 1/9th of the Shelby, N.C. Quad. USGS Ed 1950,1:62,500.

Examination

An examination of the property was made November 14, 1957, over a period of about 2 1/2 hrs. The Examiners were accompanied by Messrs. Dave and Delmar Wise, and the property owner, Mr. Hoyt Ledford. The Applicant's capabilities are not well known, except that a satisfactory job was done under DMEA-3801, and they are experienced in mica mining activities.

Operations at the site date back to the early part of the Colonial Period (1941-1942), during which a stope entirely in pegmatite was driven N45°E from the bottom of a shallow bulldozer cut into the top of the valley slope. An opening about 45 ft long, 20 ft wide and an average of 20 ft high was excavated. In the past year, the present Applicants took up about 6 ft of floor in the northeast end of the stope and drove a low 5' x 10-ft wide drift 20 ft to the northeast.

A small inadequate gasoline pump, and 105 cfm compressor are located at the site. No other supplies or facilities were noted at the site.

GEOLOGY

The pegmatite is a 20-ft thick roughly tabular-shaped discordant structure whose contacts are divergent down dip and to the northeast. The hangingwall contact strikes N62°E and dips 40° southeast. The undulatory footwall strikes N62°E and dips 35 to 55°SE. The hangingwall contact flattens to nearly horizontal over head, meeting the footwall in a blunt termination at the northwestern edge of pegmatite exposure. The country rock is composed of a thin layered, fine-grained quartz-muscovite-biotite-sillimanite schist interlayered with a medium-grained quartz-plagioclase-muscovite gneiss. The foliation is extremely variable in orientation. The hangingwall foliates strike N20 to 40°W and dips from 5° northeast to 20° southwest. The footwall rock strikes N80° to N5°W and dips from 10 to 30° southeast to 40° southwest. There is some downward bending of the foliates at the footwall contact in-

dicating some normal displacement of the contacts probably during emplacement. A post-pegmatite normal fault of little noticeable displacement cuts the pegmatite at a slight angle to the strike (N33°E75°SE).

Pegmatite is a relatively simple unzoned aggregate of medium to coarse-grained plagioclase, massive to medium fine-grained interstitial quartz and fine to coarse-grained muscovite. A series of thin, flat-lying, but contorted inclusions of country-rock occur lying diagonally across the pegmatite (see map). They are closely enechelon downward to the northeast with a gentle plunge in that direction. Their parallel orientation to the flat-lying section of the hangingwall, suggests that they may have fallen into the melt from that surface. Massive quartz and strategic size books of muscovite are localized around and particularly under these inclusions.

Muscovite was seen in place in flat books up to 6 x 10 x 2 inches thick. It is a light clear reddish-brown color with some isolated and "A" reeving. The worst defects are a moderate ruling, cracking, and some fine quartz intergrowths concentrated near the crystal edges. No other mineral intergrowths were noted.

The property owner, Mr. Hoyt Ledford, reported a production of at least $1200 worth of muscovite from a short period of activity in the early part of World Warr II, Colonial program. The present Applicants recovery of mica is recorded in four sales at the GSA Depot between August 13, 1956 and March 1, 1957, on which final settlements are not known on two lots. A total of 84.66 lbs

of full trim muscovite was sold with an indicated average of somewhat over $20 per pound and 56% content of good stained or better material.

CONCLUSION AND RECOMMENDATIONS

A large pegmatite of good indicated continuity and mineralogic-textural environment has been exposed by several small-scale operations dating back to the Colonial Period. Structural localization of strategic muscovite is indicated around and particularly under a series of slab-like oriented inclusions which lay diagonally almost from contact to contact. The possibility exists that other oriented inclusions occur down-dip from the exposed ones. Structural localization may well be found along the moderately dipping hanginwall contact. This is suggested by a noticeable concentration of smaller size muscovite near or at the exposed contact.

It is recommend that 50 ft of inclined shaft be sunk obliquely down dip from the stope floor as indicated on the examination map. A total of 120 ft of drift and/or crosscut is recommended to explore for structural localization of strategic muscovite at depth.

According to both the property owner and Appliant, it would be no trouble to lease a strip of the adjacent property. It is recommended that the Applicant be asked to do this to obtain adequate dumping space.

ESTIMATED COSTS

Sink 50 ft of inclined shaft approximately S70°E along the hanging wall as indicated on the attached map. Drift and/or crosscut 120 feet.

Construct:

Toolhouse	$75.00
Powder Magazine	25.00
Cap Magazine	15.00
Total construction..	$115.00

Sink 50 ft of shaft 5' x 7' in cross section with partitioned manway.

Labor:

1 - Foreman-miner @ $14/shift
1 - Hoistman @ $12/shift
1 - Laborer @ $8/shift

Per 8 hr. shift $34.00 — 1,088.00

Total labor, 35 shifts..... $1,190.00

@ 1.6/sh = 32 shifts

Equipment-rental:

1 - Compressor @ $150/Mo.	$262.50
1 - Gasoline Hoist @ $50/Mo.	87.50
1 - Rock drill with air hose @ $40/Mo.	70.00
1 - Sump pump @ $40/Mo.	70.00
	$490.00

@ 250/mo.

$400.00

Supplies:

Gasoline and oil	$112.50
Explosives	175.00
Drill steel	90.00
Timber, 2M bf	130.00
Small tools and miscellaneous	100.00
Sales Tax	20.50
Social Sec. and Ins.	143.00 - 130.00
Total supplies	771.00 - 758.00

Total estimated cost of shaft..... $2,451.00

2,246.00

Estmated cost per foot $49.02. - Use $45/ft.

Drift and/or crosscut 120 ft. 5' x 7' in cross section.

Labor:

1 - Foreman-miner @	$14/shift	
1 - Hoistman @	12/shift	
1 - Laborer @	8/shift	
Per 8 hours.....	$34/shift	
Total labor 60 shifts.....		$2040.00

@ 2.2 ft/sh = 55 shifts 1870.00

Equipment-rental:

1 - Compressor @ $150/Mo.	$450.00	
1 - Gasoline Hoist @ $50	150.00	
1 - Rock drill with air hose @ $40/Mo.	120.00	
1 - Sump pump @ $40/Mo.	120.00	
Total equipment rental....		840.00

@ 250/mo = 651.50

Supplies:

Gasoline and oil	$210.00	
Explosives	420.00	
Drill steel	168.00	
Timber, 1M BF @ $65/M	65.00	
Small tools & Misc.	180.00	
Sales Tax	31.00	
Social Sec. & Liab. Ins.	245.00	1,298.50
	224.50	
Total supplies....		$1,319.00

Total estimated cost of drift..... $4,199.00

Estimated cost per ft. $34.16. - use #33/ft/shift 3,856.00

SUMMARY OF ESTIMATES:

Construction	$115.00
Shaft - 50 feet	$2,451.00
Drift or crosscut 120 ft	4,199.00
Estimated total cost of project..	$6,765.00

S. C. Bergman, Geologist
Geological Survey

S. A. Feitler, Mining Engineer
Bureau of Mines

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DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/10	Anderson	600
10/10	Houk	600
10/11	Selfridge	130
10/11	Hayes	130
10/11	Williams	130
"	Johnson	110
"	Mittendorf	100
		220

600

OCT 11 1957

Mr. Dave Wise
Route 3
Newland County, North Carolina

Re: Docket No. DMEA-4841-Mica
Dave Wise, et al.
Lona Ledford Property
Cleveland County, North Carolina

Dear Mr. Wise:

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.

Your application is in order in every respect, except that we will need to know the location of the proposed work on the leased property, that is, the distance and bearing to the nearest identifiable corner. Also please furnish the book and page numbers of the deed recording in the Cleveland County Office.

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,

C. O. Mittendorf (for)

Administrator

WCAnderson:rsi 10/7/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/10	Anderson	600
10/10	Hook	600
10/11	GCS	130
"	Jackman	110
	Mattendorf	100
10/14	C	220
		600

600

OCT 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-4841-Mica
Dave Wise, et al.
Lona Ledford Property
Cleveland County, North Carolina

Dear Mr. Laurence:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated October 3 and 9, 1957, by Mr. W. F. Dietrich, USBM, and Mr. W. P. Williams, USGS, 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 (DB)

Approved:

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

W. P. Williams (DB)
Member, Geological Survey

Enclosures 5

WCAnderson:rsi 10/10/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

IN REPLY REFER TO:

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RECEIVED OCT 10 1957

DATE	INITIALS	CODE
10/10	C	220
10/10	Houk	600
		Geo

October 9, 1957

Memorandum

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

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

Subject: Review of application, DMEA 4841 (mica) Dave Wise, et al, Lona Ledford property, Cleveland County, North Carolina

The applicant proposes to explore for strategic ruby mica on a property located some 65 miles from Spruce Pine, North Carolina.

The proposed project would consist of bulldozing, shaft sinking, and drifting. Total estimated cost of the work, according to the applicant, would be $4,550.

The application is brief and not detailed. No maps have been submitted; costs are generalized. I recommend, however, that the application be referred to the Field Team for field examination, should they deem such necessary, and suitable report.

W. P. Williams

W. P. Williams

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

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RECEIVED OCT 4 1957

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October 3, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4841 (mica)

Applicant: Dave Wise, et al., (a partnership)

Name and Location of Property: Lona Ledford, Cleveland County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/2/57

Comments:

1. Applicants request $4,500.00 to explore a vein which they state "shows good ruby mica prospect."

2. Proposed exploration is not explicit and the estimate of expenditures should be made on a unit-cost basis.

3. Although it would be desirable for the applicants to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

W. F. Dietrich

W. F. Dietrich

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

October 2, 1957

Mr. Dave Wise
Route #3
Newland, North Carolina

Dear Mr. Wise:

Subject: DMEA-4841

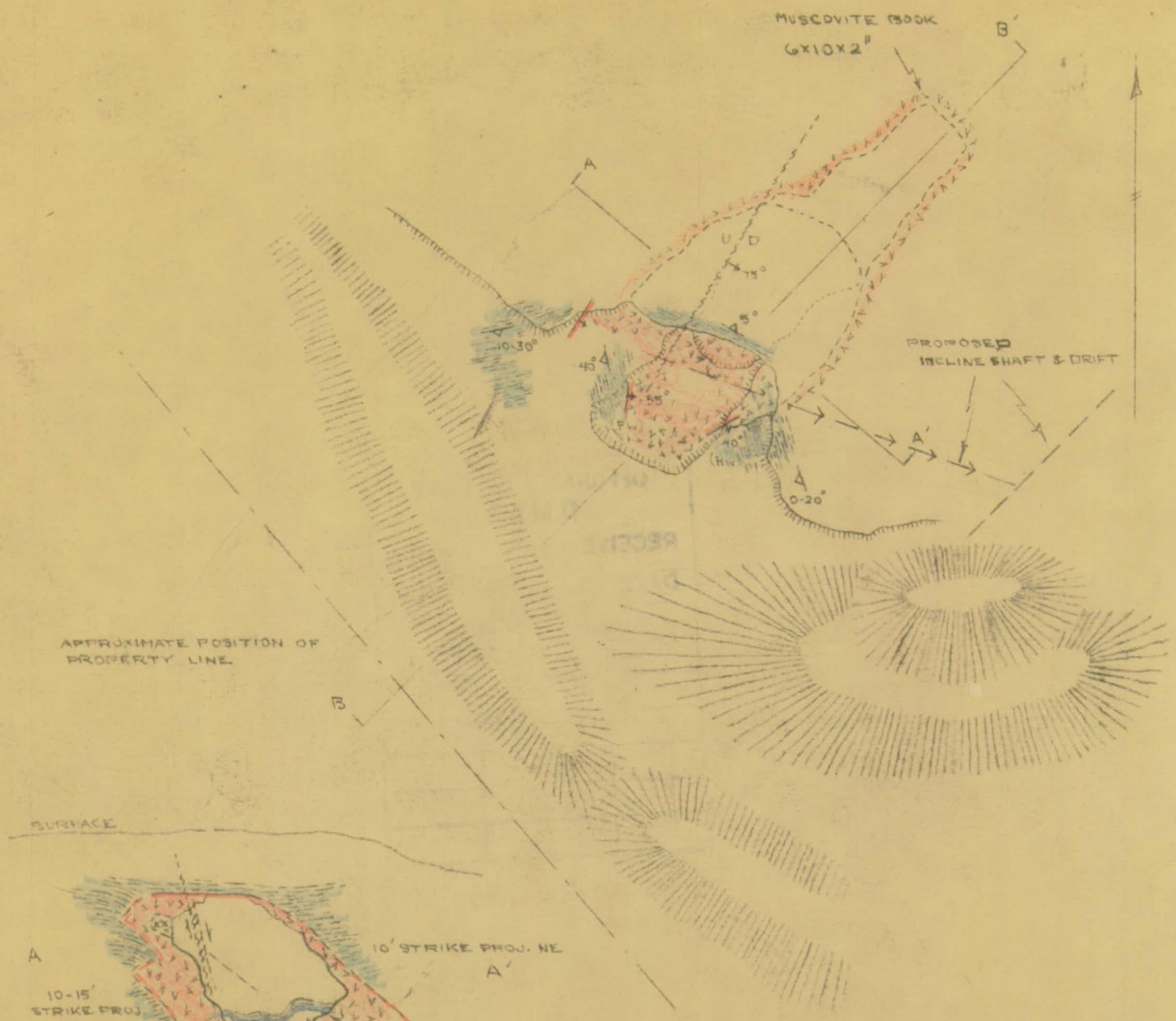
Your application for exploration assistance, dated September 28, 1957 submitted to our office at Knoxville, Tennessee has been assigned Docket Number DMEA-4841 and referred to the Nonmetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

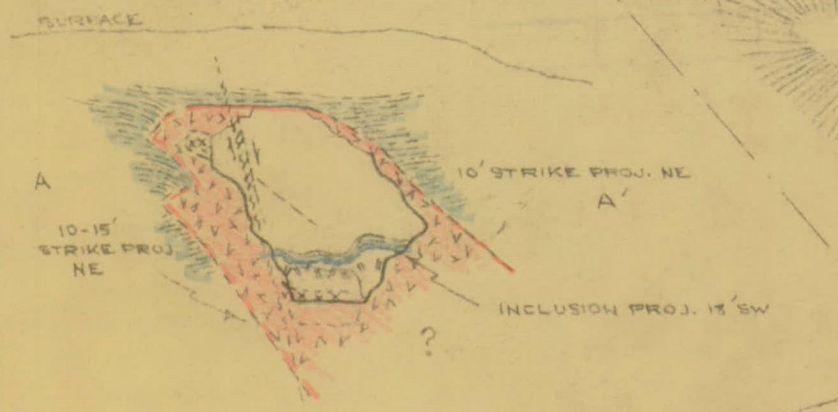
Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region V

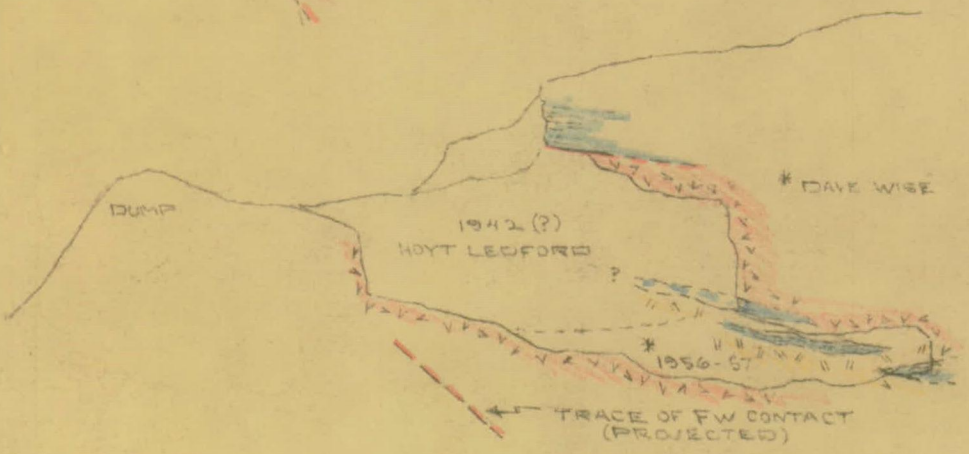




LONA LEDFORD PROSPECT
CLEVELAND COUNTY, NORTH CAROLINA

DMEA-4841 (MICA)

SCALE: 1" = 20'



LEGEND

- FLAG. - QTZ - MUSCOVITE PEGMATITE
- MUSCOVITE - RICH ZONE
- QTZ. - MUSC. - BIO. - SILLIMANITE SCHIST INTERLAYERED QTZ - PLAG. GNEISS
- MASSIVE QUARTZ
- FAULT ZONE
- EXCAVATION
- DUMP

SCS 11/57

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DMEA
RECEIVED JAN 9 1958

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