DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E NO._____

DMEA NO. 4809

Application
- [x] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

Left Side

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

Right Side

- [ ] Project summary (final)
- [ ] Work Comoleted 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

17963

MF-205
(Combines and supercedes MF-20[illegible] and MF-203)
June 1956

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

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

RECEIVED AUG 7 1957 D.M.E.A.

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described ~~as follows~~ 2/ in a certain Mining Lease dated April 5th, 1957, and duly recorded in the Register of Deeds Office for Mitchell County, N.C. in Book # 19, on Page 277

_____,

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 25th day of July, 1957

George Sedford	[Seal]	Rt.3. Bakersville, N.C.	[Address]
Laura Sedford	[Seal]	Rt.3. Bakersville, N.C.	[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-20[illegible] and MF-203)
June 1956

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

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

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	[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-20[illegible] and MF-203)
June 1956

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

RECEIVED AUG 7 1957 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

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MF-205
(Combines and supercedes MF-20[illegible] and MF-203)
June 1956

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EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
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MF-205
(Combines and supercedes MF-20[illegible] and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 7 1957

DATE	INITIALS	CODE

August 5, 1957

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: Application from Dunbar and Lamb
P. O. Box 188, Limestone, Tennessee
George Ledford Mica Prospect, Mitchell County, N. C.

Enclosed are the original and two copies of the subject application, received at this office, with a copy of the lease and six copies of the Consent to Lien.

We are keeping the fourth copy of the application.

Robert A. Laurence

Robert A. Laurence

Enclosures 10

OFFICIAL FILE COPY
D M E A
RECEIVED AUG 7 1957
DATE | INITIALS | CODE

LEGAL DESCRIPTION OF THE
GEORGE LEDFORD PROPERTY
MITCHELL COUNTY, N.C.

Book 115 - Page 46

495'

660'

Begining ~~on a~~ Chestnut tree, Wm Pitman's old corner, and runs North, 50 degrees East, with line 30 poles to a White Oak; thence North with Ledford's line 40 poles to Ledford's corner; thence Northeast along top of the mountain 1005 feet to a wild Cherry, Ross Ellis's corner; thence Southwest with said Ellis line 635 feet to a Double Poplar, Ellis's corner; thence East with Ledford's line 238 feet to a Locust, Ledford's corner; thence South with George Ledford's line 1060 feet to an old Hickory, Willie Buchanan's corner; thence East 28 poles to the begining. Containing (33) acres more or less.

462'

Excepting and reserving from the above a ONE HALF undivided intrest in a certain mica mine as is described in a Deed from Jacob L. Buchanan, et ux., to James C. Phillips, which deed is dated July 16th, 1898, and recorded in the office of the Register of Deeds for Mitchell County in Book# 62, on Page # 319.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED AUG 7 1957 D.M.E.A.

Not to be filled in by applicant

Docket No. 4809
Metal or Mineral Mica
Date Received 8/7/57
Estimated Cost $6,490.85
Participation (Government %)

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

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: Woody Dunbar, P.O. Box 188, Limestone, Tennessee.
Silo Lamb, Rt. 4. Chuckey, Tennessee.
A Partnership doing business as Dunbar & Lamb
P.O. Box 188, Limestone, Tennessee.

(*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.

RECEIVED AUG 5 - 1957 Mica Kerrville, Tenn.

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 See Attached Sheet

(*b*) State any mine name by which the property is known. The George Ledford Mica Prospect.

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

(*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. Copy Of Mineral Lease enclosed herewith.

(*e*) If you own the land, describe any liens or encumbrances on it None.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None

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. See attached sheets.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. do

(*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. do

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. do

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. do

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium Ores

(*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. See attached sheets

(*c*) The work will start within 30 days and be completed within (4) 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. See attached sheets

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. See attached sheets

(*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)? See attached sheets

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☐ Use of equipment owned by you ☒ Other Labor

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 July 25th, 7, 195--

DUNBAR & LAMB,
Moody Dunbar (Applicant) (Partner)

By P.O. Box 180, Limestone, Tennessee.

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Re: DUNBAR & LAMB,
P,O, BOX 188,
LIMESTONE, TENNESSEE.

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 7 1957
DATE | INITIALS | CODE

SUPPLEMENT SHEET NO.1.
-re-
FORM MF-103, (Revised)

Sect. 4-(a) PHYSICAL DESCRIPTION OF PROSPECT.

The mica prospect referred to herein and known as the 'George Ledford Mica Prospect', is located in Snow Creek Township, Mitchell County, State of North Carolina. It lys on the south side of a permanent ridge about 500 yards northeast of the George Ledford dwelling house and roughly some 750 yards off the N.C. State Highway # 26 (hardtopped) running between Spruce Pine, N.C. and Bakersville, N.C. at a point approximately ¼ mile south of the Mose Buchanan store. The prospect itsself is a new operation and there has been no previous work done at the site other than some excavation work done by means of a bulldozer in stripping the vein. An open cut roughly 12 feet long by 10 feet wide by 5 feet deep comprises all the present work done at this prospect up to this date. SW of the prospect there is an old mine that has been worked for both mica and feldspar over a period of several years but is not being worked at present. This old works is not on the same lead with the proposed mica exploration project.

Sect. 4-(b) . PAST & CURRENT PRODUCTION DATA.

As above stated, the prospect is a new one and there has been no work done except the preliminary work done by bulldozer in uncovering the main pegmatite body. In this process of excavation, there was roughly some 20 to 30 pounds of crude mica in book form recovered. These blocks were of small to medium size the largest book observed being about a 4" X 5" in size. The mica is green in color and appears to be of good texture. A few sheeted and trimmed sheets taken to the Government Mica Depot at Spruce Pine as a sample and for appraisal as to commercial value, received a good grade report from the buyers at the depot.

Sect. 4-(c) . GEOLOGICAL DATA OF PROSPECT.

Due to the lack of more work being done at the prospect it is difficult to give an exact geological description of prospect in its present state of operation. The main pegmatite body which appears to be roughly 5 feet between the footwall and the hanging wall slates, strikes a course NE--SW with the dip of the body to the south-southeast on an angle of about 20 to 25 degrees. Both slates are exposed. The body is divided with a slate rib between the two parts of the pegmatite but all indications points to a union of these two divisions at a ~~point~~ deeper penetration of the body. What quartz that is visible at this shallow penetration of the body appears to be in ribs or veinlets and no permanent quartz core is vissible but might make up at some deeper level. The feldspar is sodium and is in both kaolinized and rock formation. Some rich mica binder rock was observed. What mica books as observed was of clear greenish color with no visible spects present. All in all, the mica appears to be of a very good grade and should be of commercial demand if properly processed.

Re: DUNBAR & LAMB,
P.O.BOX 188
LIMESTONE, TENNESSEE.

SUPPLEMENT SHEET # 2.
-re-
FORM MF-103,(Revised)

Sect. 4-(d) ACESSIBILITY OF PROJECT.

The proposed exploration project can be best reached as follows: Take N.C. State Highway #c26, from eithr Spruce Pine North or from Bakersville, N.C. south, to Mose Buchanan's store on top of a hill at the point where Highway # 26 intersects with the Mine Creek road. From Buchanan's store go South on # 26 highway for approximately ¼ mile to a lane turning off # 26 highway NE to the George Ledford home at the head of the lane. From the Ledford house it is about 500 yards to site of prospect which at present time, must be traveled by foot.

Sect. 4-(e) . MANPOWER, SUPPLIES, MATERIALS, Ects.

A sufficient number of thoroughly experienced mica miners are available to carry on the proposed exploratory work if this application is approved. Ample materials, supplies and equipment are also available at Spruce Pine, N.C. for the proper operation of the proposed mica project. A powerline is within about 500 yds of the proposed mining site an d an ample supply of water is close by. Nearest railway shipping point is located at Toecane, N.C. about 5 miles distance from mining site.

Sect. 5-(b) . PROPOSED EXPLORATORY WORK AT PROSPECT.

It is proposed that a 5' X 7' vertical shaft be sunk down to a depth of some 60 feet following the dip or pitch of the main pegmatite body and carrying all of said body with walls of both slates. At the lowest level of the shaft it is proposed to drive a drift 25 feet both ways with the strike of the body or a total of (50) feet in driftage. We beleive that this amount of work will be necessary in order to test the prospect thoroughly.

Sect. 5-(d) .MINING QUALIFICATION OF WORKERS.

The applicants themselves will not take any active part in any of the actual proposed mining operation but all workers hired and the Supervisor in charge of the operation will be miners of several years mica mining experience.

Sect. 6-(b) . LABOR,SUPERVISION & CONSULTANTS. (Cash Distribution Basis)

No.	Class.	Hrly Rate	Wkly Rate	16 Week Period rate bases on 640 Wkg Hrs.
1	Supervisor (Mining)	$ 1.75	$ 70.00	$ 1120.00 " " "
1	Drill Operator	1.50	60.00	960.00 " " "
1	Hoist Eng. Operator	1.25	50.00	800.00 " " "
2	Muckers @ 1.00 Hr ea.	2.00	80.00	1280.00 " " "
5	Man Crew----------	$ 6.50	$ 260.00	$ 4160.00 3200 Hrs.

Re: DUNBAR & LAMB,
P.O. BOX 188
LIMESTONE, TENNESSEE.

SUPPLEMENT SHEET NO.3.
-re-
FORM MF-103.(Revised)

Sect. 6-(c) OPERATING MATERIALS & SUPPLIES. (Purchase Basis)

Unit.	Items.	No Units.	Unit Cost.	Estd Total Costs 16 Week Period.
Gal.	Gasoline	560	$ 0.25	$ 140.05
Qts.	Motor Oil	160	.20	32.00
Ea.	Line Lubricator	1	25.00	25.00
Lft.	1" Airline (pipe)	100	.16	16.00
Lbs.	40% Gel Dynamite	500	.25	125.00
Ea.	6' El Exploders	400	.16	64.00
Lft.	Air Hose	50	.80	40.00
Lft.	Tung. Drill Steel	24	6.40	153.60
Ea.	El. Blasting Btty.	1	25.00	25.00
Lft.	El. " Lead Line	100	.06	6.00
Ea.	Mine Bucket (Metal)	1	6.00	6.00
TOTALS				$ 632.65

Sect. 6-(d) . OPERATING EQUIPMENT. (Mthly Rental Basis)

Unit.	Item.	No Units.	Unit Cost.	Estd Rental Costs 16 Week Period.
Ea.	105 Air Compressor	1	$ 150.00	$ 600.00
Ea.	Jackhammer Drill	1	50.00	200.00
Ea.	1 Ton Hoist Eng.	1	50.00	200.00
Ea.	El Water Pump	1	35.00	140.00
Ea.	Mine Jackleg	1	15.00	60.00
TOTALS		5	$ 300.00	$ 1200.00

Sect. 6-(f) . NEW BUILDINGS & INSTALLATIONS. (Cash Basis)

Unit.	Item	No Units.	Unit Costs.	Estd Costs For 16 Week Period.
Ea.	Tool House	1	$ 75.00	$ 75.00
Ea.	Powder Magazine	1	25.00	25.00
Ea.	Exploder Magazine	1	15.00	15.00
TOTALS		3	$-115.00	$ 115.00

Sect. 6-(g) . MISCELLANEOUS EXPENSES.

Federal Payroll Taxes @ 2% of $ 4160.00 Payroll	$ 83.20
Employers Insurance On Men-(Estimated)	200.00
TOTALS	$ 283.20

Sect. 6-(h) . CONTINGENCIES.

10 Hours Bulldozer Hire, (Road Work) @ $ 10.00	$ 100.00
TOTALS	$ 100.00

Sect. 7-(b) .EXPLINATION OF APPLICANTS PARTICIPATION ON PROJECT COSTS.

The applicants will meet thier 25% of the total costs of the proposed exploratory project in cash or labor or both.

Re: DUNBAR & LAMB,
P.O. BOX 188
LIMESTONE, TENN.

RECAPITULATION OF ESTIMATED COSTS OF PROJECT
---BY UNITS---

Section	Unit	Estimated Costs For 16 Weeks
6-(b)	Labor & Supervision	$ 4,160.00
6-(c)	Operating Materials & Supplies	632.65
6-(d)	Operating Equipment	1,200.00
6-(f)	Buildings & Installations	115.00
6-(g)	Miscellaneous Expenses	283.20
6-(h)	Contingencies	100.00
	Total Estimated Costs Of Project For The (16) Week Exploratory Period----------	$ 6,490.85

GENERAL SUMMARY OF COSTS OF PROJECT, (16) WEEK PERIOD
AND THE GOVERNMENTS & OPERATORS SHARE

Total Estimated Costs Of Project, (16) Week Period.-------$ 6,490.85

Lessee's Share Of Above @ 25% Of The Estimated Costs------$ 1,622.70

Governments 75% Share and Amount Of Loan Solivited--------$ 4,868.15

Respectfully submitted,

DUNBAR & LAMB, (Partnership)

By- Moody Dunbar

P.O. Box 188

Limestone, Tennessee.

LEGAL DESCRIPTION OF THE
GEORGE LEDFORD PROPERTY
MITCHELL COUNTY, N.C.

Begining on a Chestnut tree, Wm Pitman's old corner, and runs North 50 degrees East, with line 30 poles to a White Oak; thence North with Ledford's line 40 poles to Ledford's corner; thence Northeast along the top of the mountain 1005 feet to a Wild Cherry, Ross Ellis's corner; thence Southwest with said Ellis line 635 feet to a Double Poplar, Ellis's corner; thence East with Ledford's line 238 feet to a Locust, Ledford's corner; thence South with George Ledford's line 1060 feet to an old Hickory, Willie Buchanan's corner; thence East 28 poles to Begining. Containing (33) acres more or less.

Excepting and reserving from the above a ONE HALF undivided intrest in a certain mica mine as is described in a deed from Jacob L. Buchanan, et ux., to James C. Phillips, which deed is dated July 16th, 1898, and recorded in the office of the Register of Deeds for Mitchell County, N.C. in Book# 62, on Page # 319

Fee $1.50

MINING LEASE

RECEIVED AUG 7 1957 D.M.E.A.

State of North Carolina Mitchell County:

This indenture made this 5th day of April, 1957, ~~1953~~

between George Ledford and wife Laura Ledford

of Mitchell County and State of North Carolina as party of the first part, and known as lessor~~s~~, and Moody Dunbar of Limestone, Tenn., 2/3 Interest, Sile Lamb of Chuckey, Tennessee, a one third interest

of Washington County and State of ~~North Carolina~~ Tennessee, party of the second part and known as lessee.

WITNESSETH, That the part~~ies~~ of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor~~s~~, 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:

A certain tract of land in Snow Creek Township, Mitchell County, North Carolina containing about 33 acres and being the tract purchased by George Ledford from Cleta Teague and the deed for said tract being of record in the Office of the Register of Deeds for Mitchell County, reference to said recorded deed if hereby made for a more complete descripton of said tract of land

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 part~~ies~~ of the first part, or his or their heirs or assigns, a rental royalty of One eighth on Mica and twenty per cent on all uranium or other minerals taken and sold from said premises or bonus 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~~s~~ 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~~s~~. 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: Tom McKinney

George Ledford (Seal)

Laura Ledford (Seal)

Moody Dunbar (Seal)

Sile Lamb

North Carolina,
Mitchell County.

Personally appeared before me this day, George Ledford and wife Laura Ledford and Moody Dunbar and Bile Lambe, the persons named in the within lease, who acknowledged that they executed the same for the use and purposes therein expressed.

Witness my hand this 5th day of April, 1957.

Brown McKinney
Justice of the Peace.

STATE OF NORTH CAROLINA
MITCHELL COUNTY

The foregoing certificate of Brown McKinney, a J.P. of Mitchell County, *with his official seal attached, is adjudged to be correct.*

Let the instrument, with the certificates be registered. This the 6 *day of* April, 19 57.

R. C. Greene
Clerk of the Superior Court

[illegible] for registration on the 6 day of april 1957 at 11:30 o'clock A. M. and recorded in the [illegible] Book 9 April 19 57 at 1:35 [illegible] Page 377 [illegible]

Bell Masters
Register of Deeds

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/27	Anderson	600
10/2	Houk	600
10/2	Selfridge	130
	Williams	130
	Jones	130
	Brown	110
	Mittendorf	100
10/2	B	220
		225

600

1957

Dunbar and Lamb
P. O. Box 188
Limestone, Tennessee

Re: Docket No. DMEA-4809-~~Mica~~
Dunbar and Lamb
The George Ledford Mica Prospect
Mitchell County, North Carolina

Gentlemen:

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

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

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica is not sufficiently promising to justify Government participation. We regret to advise you, 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 (for)

Administrator

WCAnderson:rsi 9/27/57
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
9/27	Anderson	600
10/2	Houk	600
		110
		100
		220

600

September 27, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

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

Subject: Evaluation of application and field examination report.
Docket No. DMEA-4809-Mica
Dunbar and Lamb
The George Ledford Mica Prospect
Mitchell County, North Carolina

Denial of application is recommended.

Mica: Few small books generally less than 2 by 3 inches. Grey, smoky, ruled, bent, and reeved. Some clear and hard, some is "A".

Pegmatite: Eight small lenses, concordant en echelon, ranging in thickness from 1 to 4.5 feet and in length, 2 to 20 feet. Fine grained, consisting of plagioclase, quartz, and muscovite. Country rock, medium to coarse-grained mica gneiss and schist. Both pegmatite and country-rock are partly weathered.

Workings: Open cut - 25 feet long by 10 to 15 feet wide by a maximum of 10 feet deep. In this operation about 25 pounds of smokey mica was produced, but no sales made.

Applicant's Proposal: 60 feet of vertical shaft and 50 feet of drifts, for which $6,490.85 was requested.

Comments: The examiners report that this prospect may be the "Eastern pegmatite" described in an examination report on the Jimmy Mine - DMEA-3734, which was denied.

Recommendations: The Field Team recommends denial of the application because of the small size and discontinuity of the pegmatite bodies, and insufficient mica of strategic grade or size. The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson

Walter C. Anderson,
Division of Nonmetallic Minerals

WCAnderson:rsi 9/27/57
Copy to: Admr. R. File
Mr. Houk

8623

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

September 30, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4809 (mica)

Applicant: Woody Dunbar and Sile Lamb

Name and Location of Property: George Ledford Mica Prospect, Mitchell County, North Carolina

Date of Field Team Report: 9/13/57

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 9/19/57

Field Team Recommendation: Recommend that exploration assistance be denied.

Comments:

1. Eight small discontinuous lenses of pegmatite are exposed.

2. Only a small portion of the 25 pounds of mica recovered during initial exploration was of strategic size.

3. Sufficient work has been done to indicate the pegmatite is not suitable for producing large quantities of strategic mica.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

September 20, 1957
Re: DMEA 4809
Moody Dunbar and Sile Lamb
George Ledford Prospect
Mitchell County, North Carolina
$6,490.85 - Mica

Memorandum

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

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

Subject: Review of Field Team Report

The applicants requested assistance in exploring a pegmatite exposed in one bulldozed cut.

The examiners found no less than eight small concordant en echelon pegmatite lenses had been uncovered but the muscovite in them occurs as small books generally less than 2x3 inches. Little is of strategic quality.

Apparent lack of mica-bearing pegmatite and the inferior quality of the mica prompt the examiners to recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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RECEIVED SEP 23 1957

DATE	INITIALS	CODE
9/23	C	220
9/25	Houk	600

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

OFFICIAL FILE COPY
DMEA
RECEIVED 1957

DATE		CODE
9/17	C	220
		130
9/23	C	220
9/23	Hirsch	600

September 13, 1957

Memorandum

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

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

Subject: Field Examination Report - DMEA-4809 (Mica)
Moody Dunbar and Sile Lamb
George Ledford Mica Prospect, Mitchell County, N. C.

Enclosed are the original and two copies of the subject field examination report.

The Field Team agrees with the recommendation of the examiners that exploration assistance be denied.

Robert A. Laurence
Robert A. Laurence
Executive Officer

S A Feitler
S. A. Feitler, for V. J. Lynch
Member, Bureau of Mines

Enclosures 3

On-Site Exam Rpt

Reviewed by
DMEA OPERATING COMMITTEE
9-20-57
(date)

OFFICIAL FILE COPY
DMEA
RECEIVED 1957
DATE CODE
130 ~~216~~
220

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT

DMEA-4809 (mica) GEORGE LEDFORD MICA PROS.
Mitchell County, North Carolina

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

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

September 13, 1957

Reviewed by
DMEA OPERATING COMMITTEE

9-20-57
(date)

FIELD EXAMINATION REPORT
ON

DMEA-4809 (mica) GEORGE LEDFORD MICA PROS.
Mitchell County, N. C.

Applicants: Moody Dunbar, P.O. Box 188, Limestone, Tennessee
and Sile Lamb, Rt.#4, Chucky, Tennessee

SUMMARY

Eight small pegmatite lenses have been well exposed in an open cut on the George Ledford Prospect. These lenses are fine-grained and discontinuous. About 25 lbs of muscovite were recovered in the exploration and only a little mica of strategic size is present in the larger lenses. It is recommended that exploration assistance be denied.

INTRODUCTION

Examination: An examination of the George Ledford mica prospect lasting about two hours was made September 4, 1957. The Examiners were accompanied by Mr. George Ledford. Mr. Sile Lamb arrived during the last half of the examination.

Location: The George Ledford Prospect is on the south slope of the northern part of Burns Mountain about 0.9 mile northeast of the R. B. Phillips Mine, and 0.3 mile N47°E from the intersection of N.C. Highway 26 and Mine Creek road (Micaville Quad.TVA, 1:24,000). During dry weather the Prospect can be reached by 0.4 mile of steep jeep road.

Past Operation: M.J. Broyles and S. Lamb dug an open cut about 25 ft long, 10 to 15 feet wide, and a maximum of 10 ft deep with a loader dozer sometime in 1954 (see attached map). About 20 to 25 lbs of smokey-colored muscovite was recovered, but no sales were made. This prospect may be the "Eastern Pegmatite" described in

an examination report on the Jimmy Mine - DMEA-3734 (K.H. Teague and D. H. Amos, Geologists and V. J. Lynch, Mining Engr. 4/20/55).

GEOLOGY

The shallow open cut has exposed eight small concordant en echelon pegmatite lenses in a medium to coarse-grained mica gneiss and schist. Foliation in the country rock strikes generally northeast and dips steeply southeast, but a slight northwest strike and low northeast dip is present in the upper part of the open cut (see attached map). The pegmatite is fine grained and consists of plagioclase, quartz and muscovite. The larger lenses are perthitic, and one lens has a distinct quartz core. Both pegmatite and country rock are partly weathered. The lenses range in thickness from 1 to 4.5 ft and in length from 2 to 20 ft.

Muscovite occurs in the larger lenses as a few small books generally less than two by three inches. The mica is grey or smokey, ruled, bent, and reaved. Some of it is clear and hard; some is "A".

RECOMMENDATIONS

It is recommended that the application for exploration assistance be denied because the pegmatite bodies are too small and discontinuous and do not contain sufficient mica of strategic grade or size to offer a significant geologic target.

Examined: Sept. 4, 1957

F. G. Lesure, Geologist
Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

z

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/16	Anderson	600
8/16	Houk	600
8/16	Williams	130
8/16	Bonfoy	130
8/16	Selfridge	130
"	Lambert	110
"	Mittendorf	100
8/19	P.	220
		600

600

AUG 16 1957

Dunbar and Lamb
P. O. Box 188
Limestone, Tennessee

Re: Docket No. DMEA-4809-Mica
Dunbar and Lamb
The George Ledford Mica Prospect
Mitchell County, North Carolina

Gentlemen:

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

Reference is made to the legal description of the George Ledford property attached to the lease. We note there is an exception and reservation from the Ledford 33 acre tract of "... a one-half undivided interest in a certain mica mine as is described in a deed...". To continue with the processing of your application, it is necessary that we know who holds this interest, and we will require a Consent to Lien and Subordination Agreement from this party or parties. We also note that the legal description of the property does not close. Please check this and submit a description, which when plotted, will enclose the 33 acre tract. We also require a tie-in from the proposed work to the nearest identifiable property corner. A map showing these data would be helpful.

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 8/16/57
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
8/16	Anderson	600
8/16	Houk	600
8/16	GCS	130
"	Johnson	110
		100
		220

600

AUG 16 1957

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

Re: Docket No. DMEA-4809-Mica
Dunbar and Lamb
The George Ledford Mica Prospect
Mitchell 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 August 8 and 13, 1957, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

O. M. Bishop
Member, Bureau of Mines

W. P. Williams
Member, Geological Survey

Enclosures 5

WCAnderson:rsi 8/16/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 1957

DATE	INITIALS	CODE
8/15	@	220
8/15	Hark	600

August 13, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4809 (mica)

Applicant: Moody Dunbar and Sile Lamb

Name and Location of Property: The George Ledford Mica Prospect
Mitchell Co., North Carolina

Date Application Rec'd. by Br. of Ceram. & Fertilizer Materials: 8/7/1957

Comments:

1. Applicant requests DMEA assistance for exploring an unworked mica-bearing pegmatite.

2. Applicant states that initial bulldozer prospecting consisting of an open cut 12 by 10 feet and 5 feet deep produced 20-30 pounds of crude book mica.

3. Legal description of prospect property does not appear to close. Applicant should be requested to check this and furnish a sketch showing boundary lines.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 9 1957

DATE	INITIALS	CODE
8/9	O.K.	220
8/12	Houk	600

August 8, 1957
Re: DMEA 4809
Dunbar and Lamb
Geo. Ledford Mica Prospect
Mitchell County, N.C.
$6,490.85 - Mica

Memorandum

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

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

Subject: Review of application

The applicants request assistance in exploring a 'new' pegmatite exposed in a bulldozed cut roughly 12 x 10 x 5 feet deep. Twenty to thirty pounds of mica was taken from the cut.

The pegmatite appears to be about 5 feet wide. No quartz core is recognizable.

The proposed work consists of a 60-foot shaft with 50 feet of drifting at the bottom.

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.

August 7, 1957

Dunbar & Lamb
P. O. Box 188
Limestone, Tennessee

Subject: DMEA 4809

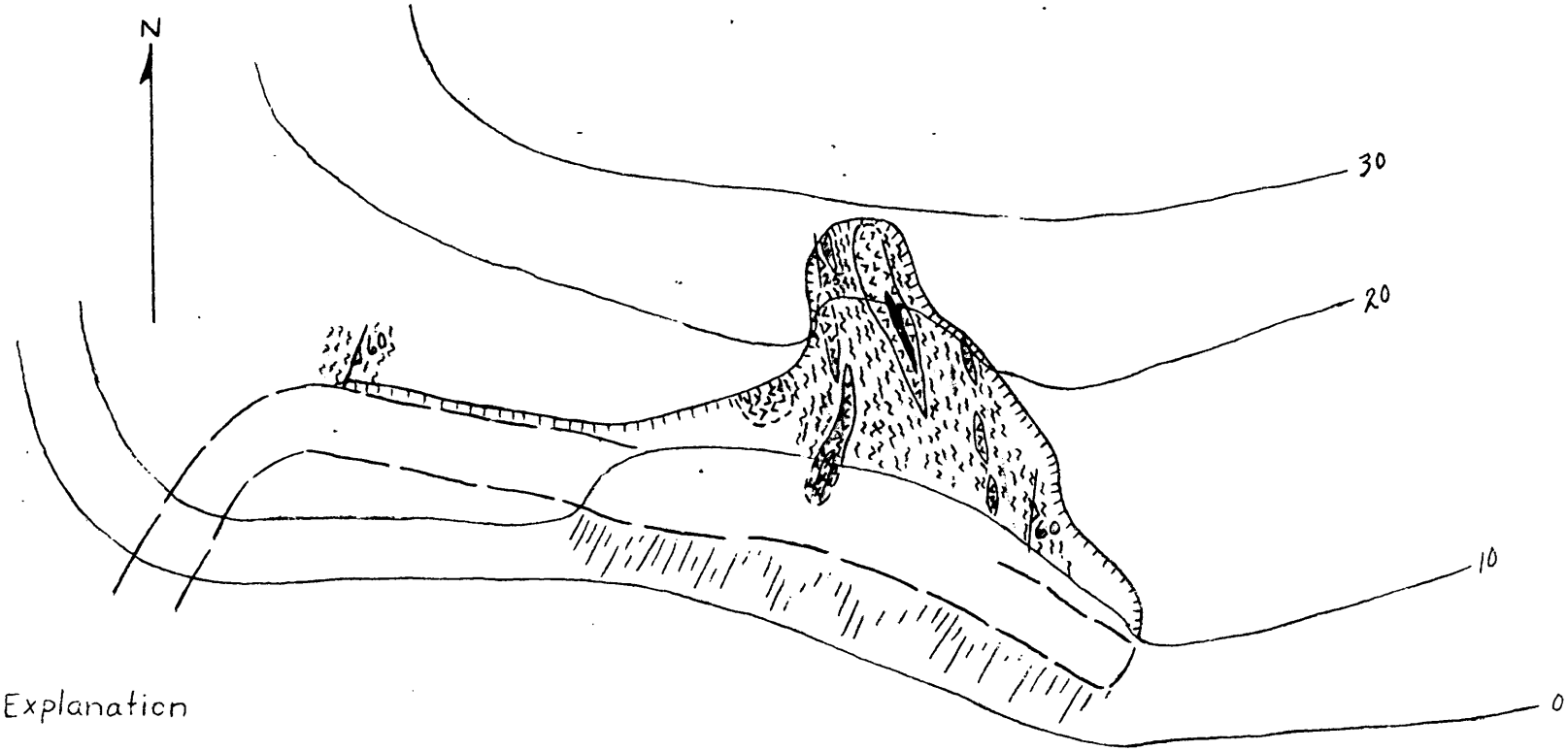
Gentlemen:

Your application for exploration assistance, dated July 25, 1957 submitted to our office at Knoxville, Tennessee has been assigned Docket Number 4809 and referred to the Division of Nonmetallic Minerals 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



Explanation

Mica gneiss

Pegmatite

xx Quartz core

60 strike & dip of foliation

Edge of cut

Dump

0 10 20 Feet

Mapped by pace, tape & brunton compass

4 Sept. 57

Geologic Map
of
George Ledford Mica Prospect
DMEA-4809 (mica)
Mitchell County, North Carolina