D. A Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2110 [redacted]

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION LOAN

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	CODE 370 ~~Ind. Minerals~~	Date	9-28-51
To:	Con Con	Date	10-2-51
To:	G & R	Date	OCT 10 [illegible]
To:	CODE 370 INDUS. MINLS. BR.	Date	10-22-51
To:	Mr Washey	Date	Barr
To:	Mr Lyon	Date	10-24-51
To:	P & R	Date	OCT 2 [illegible] 1951
To:		Date	
To:		Date	
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aec

DO NOT DETACH

CONTROLLED DOCUMENT

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D.C.
15 10-44 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Room 13, Post Office Building
Knoxville 2, Tennessee

October 12, 1951

Mr. Tom Lyon
Chairman, Coordinating Committee
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Subject: Docket DMA-2110X - Mica
Ellis, Winters and
Bowman

Dear Mr. Lyon:

This will acknowledge receipt, on this date, of docket number DMA-2110X from Ellis, Winters, and Bowman for mica exploration near Tamarack, North Carolina. Field examination for this exploration application will be made in the near future.

Sincerely,

Robert A. Laurence

Robert A. Laurence
Executive Officer, DMA Field Team
Region VII

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
OCT 22 9 10 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMA-2110M, Jim Brown Mine - Watagua County, N. C.(Mica)

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

Kefton H. Teague, Geologist
U. S. Geological Survey

October 11, 1951

Report of Field Examination on the
Jim Brown Mine - Watagua County, North Carolina (mica).

W. Jackson Ellis, Elk Park, N.C.
Wheeler W. Winters, Elk Park, N.C.
George M. Bowman, Washington, D.C.

DMA-211OK, Mica

The Jim Brown mine is located along the east side of a gravel road about one mile north of Tamarack, and 18 miles north of Boone, Watauga County, North Carolina.

At this place a bulldozer trench about 50-feet long and 8-10 feet deep exposes several small pods of pegmatite from which a small production of mica is reported. In addition to the trench a couple of inclined pits have been sunk on the larger pegmatite pods to a depth of about 12-feet.

The various pods are aligned more or less in a N 25° E direction, apparently conformable to slaty mica gneiss wall rock. The wall rock dips 30 - 45° southeast. No book mica was observed in place, therefore, its position in the pegmatite is unknown. At the Mica Ridge Mine, which is about one-quarter mile west of this deposit the mica zone is along the hanging wall of the pegmatite.

Mica from this place is clear, ruby colored, hard, and splits well. There is considerable evidence of bent books; many of the books are badly cracked and ruled. One book in the possession of the applicants, reported from this place was about 8 x 6 inches, but it was badly cracked and ruled.

As judged from what the Field Team could see at the deposit, very little pattern mica would be produced. Also, the deposit appears to be extremely limited in size. Therefore, the Field Team recommends that the loan request be refused.

A. L. Peyton
USBM

K. H. Teague
USGS

Oct. 11,'51

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

OCT 22 9 10 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMA-2110X, Jim Brown Mine - Watagua County, N. C.(Mica)

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

Kefton H. Teague, Geologist
U. S. Geological Survey

October 11, 1951

Report of Field Examination on the
Jim Brown Mine - Watagua County, North Carolina (mica).

W. Jackson Ellis, Elk Park, N.C.
Wheeler W. Winters, Elk Park, N.C.
George M. Bowman, Washington, D.C.

DMA-211GX, Mica

The Jim Brown mine is located along the east side of a gravel road about one mile north of Tamarack, and 18 miles north of Boone, Watauga County, North Carolina.

At this place a bulldozer trench about 50-feet long and 8-10 feet deep exposes several small pods of pegmatite from which a small production of mica is reported. In addition to the trench a couple of inclined pits have been sunk on the larger pegmatite pods to a depth of about 12-feet.

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As judged from what the Field Team could see at the deposit, very little pattern mica would be produced. Also, the deposit appears to be extremely limited in size. Therefore, the Field Team recommends that the loan request be refused.

A. L. Peyton
USBM

K. H. Teague
USGS

Oct. 11,'51

Memorandum

To: Reports and Records Unit, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-2110X - Ellis, Winters and Bowman
Elk Park, North Carolina
Commodity: Mica
Amount: 90% of $5,350

Denial recommended because:

1. The deposit is of very limited extent and probably would not support an economic operation.

2. Much of the mica in the deposit appears to be badly cracked and rules, hence, not strategic.

Attached:

1. Transmittal ltr from Region VII 10/19/51
2. Two copies of Field Team Report
3. Review of application
4. Memo from R. R. Griffitts
5. Three copies of MF-103 with additional information and one copy of Mining Lease.
6. Field Team referral, letter to applicant and ltr to acknowledging receipt of application.

James A. Barr, Sr.

Approved:

Director, Supply Division

RWASKEY:mp
10-23-51
cc: Field Team, Region VII (2)
Administrator's reading file
DMA Docket file
Mr. Barr

Ellis, Winters & Bowman
c/o W. Jackson Ellis
Elk Park, North Carolina

Subject: DMA-2110A-Mica

Gentlemen:

Your application for aid for an exploration project on mica deposit located near Tamarack, North Carolina, and docketed as DMA-2118X, has been reviewed by this office.

Projects approved by the Defense Minerals Administration must, in its judgment, show definite promise of yielding material of acceptable grade, physical character and specifications, in quantities that will significantly improve the mineral supply position for national defense.

A very careful study of your proposal, including examination by DMA Field Team, revealed the following:

1. Available evidence indicates that the deposit is of very limited extent, probably too small to support an economic operation.

2. Much of the mica in the deposit appears to be badly cracked and ruled, hence, does not qualify as strategic.

Under these circumstances, your application for exploration aid to the extent of 90% of $5,350 is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Unless we receive a request within 30 days, we will consider the case closed.

Sincerely yours,

Tom Lyon, Director
Supply Division

RWASKEY:mp
10-23-51
cc: Field Team, Region VII (2)
DMA Docket File
Mr. Barr
Administrator's reading file

Ellis, Winters & Bowman
c/o W. Jackson Ellis
Elk Park
North Carolina

Subject: DMA-2110X - Mica

Gentlemen:

Your application has been referred to Mr. Robert A. Laurence, Executive Officer, DMA Field Team, Region VII, Room 13, Post Office Building, Knoxville, Tennessee, for further information.

Sincerely yours,

Tom Lyon, Director
Supply Division

RWASKEY:mp
10-4-51
cc: Field Team, Region VII (2)
DMA Docket File
Mr. Barr

Mr. Robert A. Laurence, Executive Officer
DMA Field Team, Region VII
Room 13, Post Office Bldg.
Knoxville, Tennessee

Ellis, Winterm & Bowman, c/o W. Jackson Ellis,

DMA-2110X

Mica

5,330.00

RWASkey:MP
10/3/51

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 2110

Commodity Mica

Total Amount 5330

Govt. Participation 90 %

1. Name and Address of Applicant Ellis, Wilkins & Bowman c/o W Jackson Ellis, Elk Park, N.C.

2. Location of Property Near Tamarack N.C.

3. Mineral or metal Mica Is it listed in Section 9 of MO-5? YES

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination Memo Attached

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes. Lessee (question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? yes

a) MF-201? _____

b) MF-202 MUST BE FURNISHED

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower yes

b) Equipment and supplies yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* yes

d) Water (question 13)* yes

e) Power (question 13)* yes

Is a field check needed on any of these points? yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* yes

Is a field check needed on this point? yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? NO

If not, are there sufficient data given so that you can describe the project? NO If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? NO

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Probably - But more

If not, what part of it is? definite program needed

Is this part a worthwhile exploration project? Field Team Decide

d) Are the cost estimates detailed? Fairly Well

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? NO If so, attach a draft.

e) Are the cost estimates reasonable? Yes if Need established

f) Should more information be requested from applicant? By Team

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? NO

b) If so, are sufficient data furnished? — If so, attach a draft.

c) Is a field check needed? —

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? NO If so, attach a draft.

c) Are rents and charges reasonable? Appear so

d) Is a field check needed? Yes Establish actual needs

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes if need can be shown

b) Is the schedule adequate for the work proposed? Insufficient data

c) Is the schedule excessive for the work proposed? Probably

d) Are the proposed wages and salaries reasonable? Appear so

e) Is a field check needed? Yes - Establish actual needs

Why 7 JO Compensation?

14. Exhibit E (question 23-c)*

a) Is it applicable? NO

b) Sufficient data? —

c) Reasonable? —

d) Field check needed? —

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? If mica grade & geology favorable agree on a program with Applicant & submit stretch map & contract data

Reviewed by: [illegible]

Date 10/4/57

INT.-DUP. SEC., WASH., D.C. 99009

IN REPLY REFER TO:

G-MD-WRG

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

October 3, 1951

Memorandum

To: Robert Waskey, Defense Minerals Administration

From: W. R. Griffitts, U. S. Geological Survey

Subject: Application DMA-2110 from Ellis, Winters, and Bowman for mica exploration near Tamarack, North Carolina.

This application, DMA-2110, is for exploration at the Jim Brown mine near Mica Ridge. The applicants proposed in an earlier application, DMA-2104X, to explore the old Mica Ridge Mica mine which apparently adjoins the Jim Brown mine. This older application, DMA-2104X, probably is being referred to the field team.

This deposit, called the Jim Brown mine, is apparently a prospect at which there has been little work. The mica is apparently ruby.

Neither the files of the Geological Survey nor the literature contains any information about mica deposits near Tamarack, North Carolina. The application therefore should be referred to the field team, who probably could consider DMA-2104 and DMA-2110 at the same time.

It is hoped that the field examination will be as thorough as feasible as we have no background information to use in evaluating either of the deposits proposed for exploration or in evaluating the Tamarack area as a whole as a source of strategic mica. The data needed include:

1. Attitude, dimensions, and shape of the pegmatite body.

2. Internal structure of pegmatite body, and mineral composition of the pegmatite.

3. Occurrence of mica in the pegmatite body, and mica content of the pegmatite.

4. Size of mica books, color, degree and kind of staining, and mechanical defects of the mica.

5. Possible reserves of mica and of any by-product mineral that might be produced.

W. R. Griffitts

W. R. Griffitts

Form MF-103
(April 1951)

U[redacted] DEPARTMENT OF THE INTE[redacted]
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-~~2108~~ 2110

Date received 9-28-51

Participation

W. Jackson Ellis,
Wheeler W. Winters
George M. Bowman, Jr.

Elk Park, N. C.
Elk Park, N. C.
Washington, D. C.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application Sept. 19, 1951

Estimated cost $5,330.00

Mineral or metal Mica

Percentage of Government participation $4797.00

Location of mine Tamarack, N. C. (one mile of)

Date of filing MF-100

DMA Docket Number, if available ~~2108~~ 2110

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

DEFENSE MINERALS ADMINISTRATION WASH. D.C. SEP 28 AM '51

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Tamarack Mining Company
(Name of company)

By W. Jackson Ellis
(Signature of authorized official)

September 19, 1951
(Date)

Manager
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Additional Information Page

1. Partnership
2 W. Jackson Ellis and Wheeler W. Winters, both of Elk Park, N. C. George M. Bowman, Jr. of Washington City, D. C.
3. W Jackson Ellis, iron miner, coal miner, mica miner of years stding. Wheeler W. Winters experienced mica miner. George M. Bowman, Jr., mineral dealer throughout southeast.
4. Wheeler W. Winters or W. Jackson Ellis
5 Lessees
7. Copy of lease attached
8
9 One tenth in supervision or work by Ellis or Winters, or someone else.
10 (a) Two openings on property. One the Jim Brown opening, and the other to the Northeast of it. Large of blacks of mica have been found at Jim Brown opening. Jim Brown was killed while trying to get one. Also other fine mica found by men of Spruce Pine.
(b) Lease attached
11 Known as Jim Brown Mine
12 One mile from Tanarack, N. C. Good State road
13. Branch through property
14. Timber for shoring
15 Can be shipped by truck
16 (a) Mine opened a number of years ago by Jim Brown. Large blocks of mica gotten. Good strategic mics, red rum.
(b) On same lead as mica ridge, near it.
(c) Known by several miners or mine operators.
19 Some mica sold, not much mining was ever done
20 Strategic mica. Red Rum
21 Use Bulldozer first two weeks on one or the two openings, then air-compressor and jackhammer, and hoist if necessary
22 Discovered a number of years ago
23 (a) Driller 10 weeks $60.00 per week $600.00
Mucker No 1 $40.00 per week 12 weeks 480.00
Mucker No 2 and Blacksmith 10 weeks 400.00
(b) Supervisor $75.00 week 12 900.00
(e) or (f) Either rented or bought Machinery & Equipment 1200.00
(i) Dynamite and Gas 200.00
Compensation Insurance 750.00
Bulldozer hired with operator 2 weeks 800.00
Total 5330.00

24 Bulldozer Hired 2 weeks $400 per week $800.00
Machinery 1200.00
Supervisor 300.00
1 mucker 4 weeks, $40.00 per week 160.00
Compensation 750.00
Gas and Dynamite 50.00
First month Total 3260.00

Rest of loan as needed.

Property
Leased from Weavers

W. Jackson Ellis
Signature Authorized Agent.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 1951

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Lamar 2119

Date received 10-1-51

GEORGIA-CAROLINA MICA MINING CO., INC. MOORE MINE
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

Name and address of applicant

Date 9/18/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
C. A. WYNN ATLANTA, GA	PRES. D TREAS.			125			
ZEB ANGEL FRANKLIN, NC	V.P. D			125			
F.T. SIERSMA " "	V.P. D			100			
J. W. HUFF ATLANTA, GA	SECY.			-			
HELEN BULLARD " "	D			-			
C. P. COPELAND " "	-			50			
C.M.COOLEY MARIANNA, FLA.	D			100			
	Total		x x x x x	500		x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 20,000.	$ 5,000.	$ 10.00	500	
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

MF-100 GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

MOORE MINE

1. Mica

2. Name-Moore Mine
(Old name-prospect west of Smith's store)

3. 5 miles south of Lagrange, Georgia (Troup County), on State Highway 219; then ¼ mile west at Smith's corners. Road divides upper and lower mines- Project #1 and Project #2 respectively; mines are about 125 feet apart.

4. Applicant is lessee.

5. Operation will start upon completion of exploration work.

6. Zeb Angel, Vice President of application corporation is in charge of all mining operations. He has prospected and mined for all types of minerals for the past thirty five years; is thoroughly familar with all phases of this industry.

7. About 1940, WPA workers trenched the Mica bearing pegmatite for a considerable distance around the quartz lens. Zeb Angel has examined and tested the property during the past 30 days and considers exploration work most advisable.
Report of this property appears in "Mica Bearing Pegmatite of Georgia", bulletin no. 48 by F. S. Furcron and Kefton H. Teague. Excerpts from said report are as follows:

> The intrusion consist of an oval milky and rose-colored quartz lens about 225 feet long, striking N. 75o W. The maximum width is about 125 feet. The quartz is surrounded by a zone of pegmatite in which "wedge-A" mica is very abundant. The outer pegmatite zone is from 15 to 30 feet thick, consisting of feldspar, smoky quartz, tourmaline, and mica. The mode of outcrop favors the study of the structure and character of this intrusion.

13. Shipping and residence points-LaGrange, Georgia. See 3 above. (Reached over good county roads.

14. Sufficient water on property for all purposes.

15. Power not needed for exploration purposes.

16. Applicant has not started operation; has no employees.

17. No facilities on property; none owned.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

GEORGIA-CAROLINA MICA MINING CO. INC.
(Name of company)

By Zeb Angel
(Signature of authorized official)

9/18/51
(Date)

ZEB ANGEL VICE PRES.
(Title)

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—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Appal 2119

Date received 10-1-51

Participation

GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

MOORE MINE

Name and address of applicant

Date 9/18/51

FILL IN THIS BLOCK

Date of application 9/18/51

Estimated cost $5,090.00

Mineral or metal Strategic Mica

Percentage of Government participation 90%

Location of mine 5 miles south of LaGrange, Ga.
(Troup County) on state highway 219.

Date of filing MF-100 9/18/51

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Corporation
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property? Lessee
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing. In good standing
NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract. Included in lease.
8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

GEORGIA-CAROLINA MICA MINING CO. INC. By Zeb Angel
(Name of company) (Signature of authorized official)

9/18/51 ZEB ANGEL VICE PRES.
(Date) (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

MF-103 GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

MOORE MINE

7. Lease covering 32 acres, more or less, known as the Moore Mine, located in Troup County, on Highway 219; dated August 13, 1951, and recorded in said county in Book 83, page 395, lease from Amelia Moore to C. A. Wynn, contains clause owner will sign Form MF-202. Lease assigned to applicant application.

9. Applicant will invest 10% in accordance with M-5.

10. Entire lease will be applied to exploratory contract.

11. Present and past name-MOORE MINE.

20. Exploration work will be continued to uncover mica pegmatite.

21. Will bulldoze 200 ft. long, 40 ft. wide and 15 ft. deep and trench to expose vein, on PROJECT #1. PROJECT #2, will sink shaft 6ft. sq. and 30 ft. deep into vein and then drift off with 2 test tunnels approximately 8 ft. to 20 ft. long. Will require approximately 40 working days.

22. Geological basis for the exploration has been established through testing and examination by Zeb Angel during the past 30 days, as well as, reports (Appearing in bulletin no. 48, entitled "Mica Bearing Pegmatite of Georgia", by F. S. Furcron and Kefton H. Teague, recited on Form MF-100 in answer to question no. 7.

23. ESTIMATED COST:

PROJECT #1

Tractor-Dozer rental 160 hr. @ $10.00	$1600.00
3 Laborers @ $8.00 per day each-30 days	720.00
1 Working Foreman $12.00 per day-30 days	360.00
1 Engineer-Surerintendent 12 days @ $20.00	240.00
Misc. Hand Tools etc.	110.00
Misc. expenses office, payroll taxes etc.	200.00
TOTAL	$3230.00

PROJECT #2

3 Laborers @ $8.00 per day each-30 days	$ 720.00
1 Working Foreman @ 12.00 per day-30 days	360.00
1 Engineer-Superintendent @20.00 per day-30 day	400.00
Misc. Hand toolsetc.	200.00
Misc. expenses, office, payroll taxes, etc.	180.00
TOTAL	$1860.00

PROJECT #1	$3,230.00
PROJECT #2	1,860.00
TOTAL	$5,090.00

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

370

OCT 2 1951

a.e.c.

Memorandum

To: Reports and Records Unit, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-2110X - Ellis, Winters and Bowman
Elk Park, North Carolina
Commodity: Mica
Amount: 90% of $5,350

Denial recommended because:

1. The deposit is of very limited extent and probably would not support an economic operation.

2. Much of the mica in the deposit appears to be badly cracked and rules, hence, not strategic.

Attached:

1. Transmittal ltr from Region VII 10/19/51
2. Two copies of Field Team Report
3. Review of application
4. Memo from R. R. Griffitts
5. Three copies of MF-103 with additional information and one copy of Mining Lease.
6. Field Team referral, letter to applicant and ltr to acknowledging receipt of application.

James A. Barr

James A. Barr, Sr.

Approved:

Acting

Director, Supply Division

FILE COPY
SURNAME:

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

370

Washer
Barr

OCT 26 1951

a.E.C.

Ellis, Winters & Bowman
c/o W. Jackson Ellis
Elk Park, North Carolina

Subject: DMA-2110X-Mica

Gentlemen:

Your application for aid for an exploration project on mica deposit located near Tamarack, North Carolina, and docketed as DMA-2118X, has been reviewed by this office.

Projects approved by the Defense Minerals Administration must, in its judgment, show definite promise of yielding material of acceptable grade, physical character and specifications, in quantities that will significantly improve the mineral supply position for national defense.

A very careful study of your proposal, including examination by DMA Field Team, revealed the following:

1. Available evidence indicates that the deposit is of very limited extent, probably too small to support an economic operation.

2. Much of the mica in the deposit appears to be badly cracked and ruled, hence, does not qualify as strategic.

Under these circumstances, your application for exploration aid to the extent of 90% of $5,350 is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Unless we receive a request within 30 days, we will consider the case closed.

Sincerely yours,

SIGNED

Tom Lyon, Director
Supply Division

8 f 10/26

RWASKEY:mp
10-23-51
cc: Field Team, Region VII (2)
DMA Docket File
Mr. Barr
Administrator's reading file

FILE COPY
SURNAME:

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

Walter Barr

Memorandum

To: Reports and Records Unit, DMA

From: Chief, Industrial Minerals Branch, DMA A.E.C.

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8/10/26

James A. Barr, Sr.

Approved:
SIGNED
Director, Supply Division

RWASKEY:mp
10-23-51
cc: Field Team, Region VII (2)
Administrator's reading file
DMA Docket file
Mr. Barr

OFFICE OF THE ADMINISTRATOR

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
OCT 22 9 10 AM '51

Room 13, Post Office Building
Knoxville, Tennessee

October 19, 1951

Memorandum

To: Mr. Tom Lyon, Chairman, Coordinating Committee

From: Field Team, Region VII

Subject: DMA-2110X, Ellis, Winters and Bowman

Transmitted herewith are four copies of field examination report on the subject tract, by A. L. Peyton and K. H. Teague. The Field Team concurs in the recommendation for denial of the application.

The original application, review, and other papers, are returned herewith.

Robert A. Laurence
Robert A. Laurence
U. S. Geological Survey

Wm. A. Beck
Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
OCT 22 9 10 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMA-2110X, Jim Brown Mine - Watagua County, N. C.(Mica)

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

Kefton H. Teague, Geologist
U. S. Geological Survey

October 11, 1951

Report of Field Examination on the
Jim Brown Mine - Watagua County, North Carolina (mica).

W. Jackson Ellis, Elk Park, N.C.
Wheeler W. Winters, Elk Park, N.C.
George M. Bowman, Washington, D.C.

DMA-2110X, Mica

The Jim Brown mine is located along the east side of a gravel road about one mile north of Tamarack, and 18 miles north of Boone, Watauga County, North Carolina.

At this place a bulldozer trench about 50-feet long and 8-10 feet deep exposes several small pods of pegmatite from which a small production of mica is reported. In addition to the trench a couple of inclined pits have been sunk on the larger pegmatite pods to a depth of about 12-feet.

The various pods are aligned more or less in a N 25° E direction, apparently conformable to slaty mica gneiss wall rock. The wall rock dips 30 - 45° southeast. No book mica was observed in place, therefore, its position in the pegmatite is unknown. At the Mica Ridge Mine, which is about one-quarter mile west of this deposit the mica zone is along the hanging wall of the pegmatite.

Mica from this place is clear, ruby colored, hard, and splits well. There is considerable evidence of bent books; many of the books are badly cracked and ruled. One book in the possession of the applicants, reported from this place was about 6 x 6 inches, but it was badly cracked and ruled.

As judged from what the Field Team could see at the deposit, very little pattern mica would be produced. Also, the deposit appears to be extremely limited in size. Therefore, the Field Team recommends that the loan request be refused.

A. L. Peyton
USBM

K. H. Teague
USGS

Oct. 11,'51

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.
OCT 22 9 10 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

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A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

Kefton H. Teague, Geologist
U. S. Geological Survey

October 11, 1951

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A. L. Peyton
USBM

K. H. Teague
USGS

Oct. 11,'51

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.

OCT 22 9 10 AM '51

OCT 22

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 2110

Commodity Mica

Total Amount 5330

Govt. Participation 90%

1. Name and Address of Applicant Ellis, Winters & Brinson
c/o W. Jackson Ellis, Elk Park, N.C.

2. Location of Property Near Tomahawk N.C.

3. Mineral or metal Mica Is it listed in Section 9 of MO-5? YES

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination Memo Attached

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes. Lessee
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future

productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? _____

b) MF-202 MUST BE FURNISHED

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? NO

If not, are there sufficient data given so that you can describe the project? NO If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? NO

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Probably - But more

If not, what part of it is? definite program needed

Is this part a worthwhile exploration project? Field Team Decide

d) Are the cost estimates detailed? Fairly well

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? NO If so, attach a draft.

e) Are the cost estimates reasonable? Yes if Need established

f) Should more information be requested from applicant? By Team

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? NO

b) If so, are sufficient data furnished? — If so, attach a draft.

c) Is a field check needed? —

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? NO If so, attach a draft.

c) Are rents and charges reasonable? Appear so

d) Is a field check needed? Yes Establish actual needs

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes if need can be shown

b) Is the schedule adequate for the work proposed? Insufficient data

c) Is the schedule excessive for the work proposed? Probably

d) Are the proposed wages and salaries reasonable? Appear so

e) Is a field check needed? Yes - Establish actual needs

Why? No compensation?

14. Exhibit E (question 23-c)*

a) Is it applicable? NO

b) Sufficient data? —

c) Reasonable? —

d) Field check needed? —

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? If Mica grade & geology favorable agree on a program with Applicant & submit stretch map & contract data

Reviewed by: [illegible]

Date 10/4/59

INT.-DUP. SEC., WASH., D.C. 99009

IN REPLY REFER TO:
G-MD-WRG

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

October 3, 1951

Memorandum

To: Robert Waskey, Defense Minerals Administration

From: W. R. Griffitts, U. S. Geological Survey

Subject: Application DMA-2110 from Ellis, Winters, and Bowman for mica exploration near Tamarack, North Carolina.

This application, DMA-2110, is for exploration at the Jim Brown mine near Mica Ridge. The applicants proposed in an earlier application, DMA-2104X, to explore the old Mica Ridge Mica mine which apparently adjoins the Jim Brown mine. This older application, DMA-2104X, probably is being referred to the field team.

This deposit, called the Jim Brown mine, is apparently a prospect at which there has been little work. The mica is apparently ruby.

Neither the files of the Geological Survey nor the literature contains any information about mica deposits near Tamarack, North Carolina. The application therefore should be referred to the field team, who probably could consider DMA-2104 and DMA-2110 at the same time.

It is hoped that the field examination will be as thorough as feasible as we have no background information to use in evaluating either of the deposits proposed for exploration or in evaluating the Tamarack area as a whole as a source of strategic mica. The data needed include:

1. Attitude, dimensions, and shape of the pegmatite body.

2. Internal structure of pegmatite body, and mineral composition of the pegmatite.

3. Occurrence of mica in the pegmatite body, and mica content of the pegmatite.

4. Size of mica books, color, degree and kind of staining, and mechanical defects of the mica.

5. Possible reserves of mica and of any by-product mineral that might be produced.

W. R. Griffitts

WRGriffitts:jeh
G-10/3/51
copy to: Director's Reading file 4212
Branch Reading 4212
DMA files
WRGriffitts, USGS

Form MF-103
(April 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2118

Date received 9-28-51

Participation

W. Jackson Ellis, Elk Park, N. C.
Wheeler W. Winters Elk Park, N. C.
George M. Bowman, Jr. Washington, D. C.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application Sept. 19, 1951

Estimated cost $5,330.00

Mineral or metal Mica

Percentage of Government participation $4797.00

Location of mine Tamarack, N. C. (One Mile of)

Date of filing MF-100

DMA Docket Number, if available 2118

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C. SEP 28 9 AM

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Tamarack Mining Company
(Name of company)

By W. Jackson Ellis
(Signature of authorized official)

September 19, 1951
(Date)

Manager
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Additional Information Page

1. Partnership
2 W. Jackson Ellis and Wheeler W. Winters, both of Elk Park, N. C. George M. Bowman, Jr. of Washington City, D. C.
3. W Jackson Ellis, iron miner, coal miner, mica miner of years stding. Wheeler W. Winters experienced mica miner. George M. Bowman, Jr., mineral dealer throughout southeast.
4. Wheeler W. Winters or W. Jackson Ellis
5 Lessees
7. Copy of lease attached
8
9 One tenth in supervision or work by Ellis or Winters, or someone else.
10 (a) Two openings on property. One the Jim Brown opening, and the other to the Northeast of it. Large of blacks of mica have been found at Jim Brown opening. Jim Brown was killed while trying to get one. Also other fine mica found by men of Spruce Pine.
(b) Lease attached
11 Known as Jim Brown Mine
12 One mile from Tanarack, N. C. Good State road
13. Branch through property
14. Timber for shoring
15 Can be shipped by truck
16 (a) Mine opened a number of years ago by Jim Brown. Large blocks of mica gotten. Good strategic mics, red rum.
(b) On same lead as mica ridge, near it.
(c) Known by several miners or mine operators.
19 Some mica sold, not much mining was ever done
20 Strategic mica. Red Rum
21 Use Bulldozer first two weeks on one or the two openings, then air-compressor and jackhammer, and hoist if necessary
22 Discovered a number of years ago
23 (a) Driller 10 weeks $60.00 per week $600.00
Mucker No 1 $40.00 per week 12 weeks 480.00
Mucker No 2 and Blacksmith 10 weeks 400.00
(b) Supervisor $75.00 week 12 900.00
(e) or (f) Either rented or bought Machinery & Equipment 1200.00
(i) Dynamite and Gas 200.00
Compensation Insurance 750.00
Bulldozer hired with operator 2 weeks 800.00
Total 5330.00

24 Bulldozer Hired 2 weeks $400 per week $800.00
Machinery 1200.00
Supervisor 300.00
1 mucker 4 weeks, $40.00 per week 160.00
Compensation 750.00 ?
Gas and Dynamite 50.00
First month Total 3260.00

Rest of loan as needed.

Property
Leased from Weavers

W. Jackson Ellis
Signature Authorized Agent.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.

SEP 28 9 24 AM '51

MINING LEASE

NORTH CAROLINA,
WATAUGA COUNTY

The lessors, Edford L. Weaver and wife Mary Weaver, both of Watauga County; and the lessees, W. Jackson Ellis, and Wheeler W. Winters, both of Avery County, North Carolina, and George M. Bowman, Jr., of Washington, District of Columbia, have this day, the 13th Day of September 1951, agreed among themselves as follows:

WITNESSETH

That for the sum of one dollar and other valuable considerations, receipt of which is hereby acknowledged, the lessors grant the lessees the following rights: --

To mine mica and other minerals on the following described lands: --

Beginning at a mapel tree, within about twenty feet of the granary near public road and following a line directly East to the top of the mountain, including all lands North of such beginning mapel along small branch and public, or State road, and North of such line to top of mountain as decribed above so far as Edford L. Weaver and Mary weaver's lands extend in a northerly direction along John B. Southerland's line on the North, and East including ten acres or more, such lands being a part and parcels of such lands as described in deeds, one as made from Will Potter and wife Blanch Potter to Edford Weaver and Mary Weaver on the 5th day of Oct, 1950 and registered in courthouse at Boone in Book 68, page 459 on 18th Day of December 1950, and other deed made from John B. Southerland and wife Vena Southerland to Mary Weaver and Edford L. Weaver in February 1951 and executed before Ed Williams, Notary Public

In making any new prospecting openings, all openings shall be filled up sufficiently to not damage property, unless a commercial or paying mine is struck and mined. However the Jim Brown opening is not to be filled up.

To set up and remove machinery at will, to use timber subject only to the lessors' approval, for shoring, to have access to water, to have ingress, egress, and regress in the way of roads to and from the mines, to set up sheds, tool houses, mica houses, etc. for mining and any and all other rights com only given to mine operators and miners.

The royalty shall be one-tenth on mica as sold, and one-tenth, value of ores at mines, on all other minerals, excepting feldspar which shall be fifty cents per ton. Royalties shall be paid to the lessors at the end of each month and all sales' slips shall be furnished the lessors.

This lease is granted contingent upon a Government loan for mica, and if at the end of one hundred and twenty days the loan is not made, or some assurances are not given the lessees of such loan, then this lease is to become null and void upon a written notice of the lessors to the lessees unless prospecting or mining work begins, or unless ten dollars is paid down as a minimum royalty for each month until mining begins.

If after the loan is secured or regular payroll work begins, the lessees are required to shut down on account of market decline in prices or minerals, or for other valid reasons, this lease gives them the right to shut down only for a period of thirty days. After this thirty days, if they remain shut down longer, a minimum royalty shall be paid the lessor of ten dollars per month so long as they are shut down if this lease is to extend its full term. Otherwise this lease shall become null and void, The length, or full term, of this lease shall be thirty six months from date. When this lease ends all houses built on the property shall become the property of the lessors.

WITNESS OUR HANDS AND SEALS: --

Lessors		Lessees	
Edford L. Weaver	(Seal)	W. Jackson Ellis	(Seal)
Mary Weaver	(Seal)	Wheeler W. Winters	(Seal)
		George M. Bowman Jr.	(Seal)

Witness to both lessors and lessee .
Will L. Potter

NORTH CAROLINA,
Watauga County

(Notary of Avery County)

Personally appeared before me this, the 15th. Day of September, 1951, the lessors Edford L. Weaver, and wife Mary Weaver, both of Watauga County, North Carolina; and one of the ~~xxxxxxx~~ lessees, W. Jackson Ellis, of Avery County, North Carolina and acknolwedged the due execution of the foregoing mining lease.

Witness my hand and seal: -

A. P. Brinkley
Notary Public

My commission expires the 3 Day of June 1953

NORTY CAROLINA
Avery County

Personally appeared before me this day, the 17th. of September, 1951, the lessee Wheeler W. Winters, of Avery County, North Carolina, and acknowledged the due execution of the the foregoing mining lease.

Witness my hand and seal:

A. P. Brinkley
Notary Public

My commission expires 3rd Day of June 1953

~~xxxxxxxxxxxx~~ District of Columbia, Washington, D. C.

Personally appeared before me this day, the 24 Day of September, 1951, the lessee, George M. Bowman, Jr., of House Post Office, District of Columbia, Washington, and acknowledged the due execution of the foregoing mining lease.

Witness my hand and seal:

Truman Ward
Notary Public

My commission expires 14 Day of Jan, 1956

FILE COPY
SURNAME:

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

370

Washkey
Barr
Ron
Moon
amp

OCT 10 1951

G.E.C.

Ellis, Winters & Bowman
c/o W. Jackson Ellis
Elk Park
North Carolina

Subject: DMA-2110Z - Mica

Gentlemen:

Your application has been referred to Mr. Robert A. Lawrence, Executive Officer, DMA Field Team, Region VII, Room 13, Post Office Building, Knoxville, Tennessee, for further information.

Sincerely yours,

SIGNED

Tom Lyon, Director
Supply Division

T.L. 10-10

RWASKEY:mp
10-4-51
cc: Field Team, Region VII (2)
DMA Docket File
Mr. Barr

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

370

OCT 10 1951

Mr. Robert A. Laurence, Executive Officer
DMA Field Team, Region VII
Room 13, Post Office Bldg.
Knoxville, Tennessee

Dear Sir:

We attach "Review of Application for Exploration Assistance"

on:

Applicant Ellis, Winters & Bowman, c/o W. Jackson Ellis,

Docket No. DMA-2110X

Commodity Mica

Amount $ 5,330.00

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

Mr. Ellis W. Jackson
Ellis, Winters & Bowman
Elk Park, North Carolina

Subject: DMA-~~2108~~ 2110
Re: Exploration Loan
Jim Brown Mine

My dear Mr. Jackson:

This will acknowledge receipt of your application dated September 28, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-~~2108~~ 2110 and referred to the Industrial Minerals Branch.

Kindly refer to DMA-~~2108~~ 2110 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2110

Date received 9-28-51

Participation

W. Jackson Ellis, Elk Park, N. C.
Wheeler W. Winters Elk Park, N. C.
George M. Bowman, Jr. Washington, D. C.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application Sept. 19, 1951

Estimated cost $5,330.00

Mineral or metal Mica

Percentage of Government participation $4797.00

Location of mine Tamarack, N. C. (one mile or)

Date of filing MF-100

DMA Docket Number, if available 2110

INSTRUCTIONS

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DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C. SEP 28 9 24 AM '51

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16—64067-1

THE PROPERTY

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State amount of power to be used, rate per hour or other cost, and source.
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15. State in detail how the ore could be shipped and how and where milled.
*16. History:
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	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
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THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

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CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Tamarack Mining Company
(Name of company)

By W. Jackson Ellis
(Signature of authorized official)

September 19, 1951
(Date)

Manager
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

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Compensation 750.00
Gas and Dynamite 50.00
First month Total 3260.00

Rest of loan as needed.

Property
Leased from Weavers

W. Jackson Ellis
Signature Authorized Agent.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA A-2110 ~~2105~~

Date received 9-28-51

Participation

W. Jackson Ellis, Elk Park, N. C.
Wheeler W. Winters Elk Park, N. C.
George M. Bowman, Jr. Washington, D. C.

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application Sept. 19, 1951

Estimated cost $5,330.00

Mineral or metal Mica

Percentage of Government participation $4797.00

Location of mine Tamarack, N. C. (one mile or)

Date of filing MF-100

DMA Docket Number, if available 2110 ~~2105~~

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DEFENSE MINERALS ADMINISTRATION WASHINGTON SEP 28 9 34 AM

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15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Tamarack Mining Company (Name of company)

By W. Jackson Ellis (Signature of authorized official)

September 19, 1951 (Date)

Manager (Title)

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.

*Same as footnote on page 1.

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Additional Information Page

1. Partnership
2 W. Jackson Ellis and Wheeler W. Winters, both of Elk Park, N. C. George M. Bowman, Jr. of Washington City, D. C.
3. W Jackson Ellis, iron miner, coal miner, mica miner of years stding. Wheeler W. Winters experienced mica miner. George M. Bowman, Jr., mineral dealer throughout southeast.
4. Wheeler W. Winters or W. Jackson Ellis
5 Lessees
7. Copy of lease attached
8
9 One tenth in supervision or work by Ellis or Winters, or someone else.
10 (a) Two openings on property. One the Jim Brown opening, and the other to the Northeast of it. Large of blacks of mica have been found at Jim Brown opening. Jim Brown was killed while trying to get one. Also other fine mica found by men of Spruce Pine.
(b) Lease attached
11 Known as Jim Brown Mine
12 One mile from Tanarack, N. C. Good State road
13. Branch through property
14. Timber for shoring
15 Can be shipped by truck
16 (a) Mine opened a number of years ago by Jim Brown. Large blocks of mica gotten. Good strategic mica, red rum.
(b) On same lead as mica ridge, near it.
(c) Known by several miners or mine operators.
19 Some mica sold, not much mining was ever done
20 Strategic mica. Red Rum
21 Use Bulldozer first two weeks on one or the two openings, then air-compressor and jackhammer, and hoist if necessary
22 Discovered a number of years ago
23 (a) Driller 10 weeks $60.00 per week $600.00
Mucker No 1 $40.00 per week 12 weeks 480.00
Mucker No 2 and Blacksmith 10 weeks 400.00
(b) Supervisor $75.00 week 12 900.00
(e) or (f) Either rented or bought Machinery & Equipment 1200.00
(i) Dynamite and Gas 200.00
Compensation Insurance 750.00
Bulldozer hired with operator 2 weeks 800.00
Total 5330.00

24 Bulldozer Hired 2 weeks $400 per week $800.00
Machinery 1200.00
Supervisor 300.00
1 mucker 4 weeks, $40.00 per week 160.00
Compensation 750.00
Gas and Dynamite 50.00
First month Total 3260.00

Rest of loan as needed.

Property
Leased from Weavers

W. Jackson Ellis
Signature Authorized Agent.