DOCKET COPY
Surname:

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

Copies to Houk
yes
Kilsgaard
Selfridge

Mr. Pete Ellis, et al.

MAR - 1 1956

Spruce Pine, North Carolina

Re: Docket No. DMEA-4077-Mica
Pete Ellis, et al.
Irby Cut Mine
Yancey County, North Carolina

Dear Mr. Ellis:

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

Administrator

JHopkins:ms 2/17/56
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

P.C.L.

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

RECEIVED
FEB 23 1956

February 21, 1956

Memorandum

To: Nonmetallic Minerals Divisions
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4077 (mica)

Applicant: Ellis, Monroe, H.& E. Westall

Name and Location of Property: Irby Cut Mine, Yancey Co., N. C.

Date of Field Team Report: 1/18/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 2/17/56

Field Team Recommendation: Recommend denial of application.

Comments:

1. Badly stained non-strategic mica was observed during examination but mine has little possibility for occurrence of strategic mica.
2. Possibility for discovery of a worthwhile deposit of strategic mica is considered poor.

Recommendation: I concur with field team's recommendation for denial.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
FEB 20 1956

February 17, 1956

Re: DMEA 4077
Pete Ellis, et al.
Irby Cut Mine
Yancey Co., N. C.
$4,295.00 - Mica

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested assistance in exploring a pegmatite about which very little information was given. Extensive mining had been done in the Irby Cut mine nearby, but no inference as to merit of the proposed project could be made.

The examiners found the pegmatite of this application to be a part of a second pegmatite on which much work had been done.

In 1955 DMEA participated in work on the property, Docket DMEA 3572, Idm-E761. Bulldozing showed only sparse muscovite mineralization. The pegmatite then worked on may be a different one than that of the present application. At least three, possibly four, pegmatites are known and positive identification was not made.

The proposed work would have extended a 50-foot shaft to 75 feet and driven 70 feet of drift. The examiners found a shaft 45 feet deep, with 26 feet of drifting from it, several pits and a large cut in the immediate vicinity. The numerous openings afford an opportunity to judge the strategic mica potential of the pegmatite, or pegmatites, exposed. The examiners conclude that the scattered, small, flat, green and badly stained muscovite seen does not warrant a contract.

I concur with the recommendation of the examiners and the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

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

February 15, 1956

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration and Summary Report

By: James Hopkins

1. Docket No. DMEA-4077-Mica
Property: Irby Cut Mine
Yancey County, North Carolina
Applicants: Pete Ellis, Willie Monroe, Howard Westall, Eugene Westall
Spruce Pine, North Carolina

Application: MF-103 dated November 21, 1955 proposes:
Deepen 50/ft shaft an additional 25/ft and drift 35/ft on each side.
Total Cost $4,295.00
No Contract: Application Denied.

Comments:

The Irby Cut Mine proper is large with many old openings, old cuts, benched areas etc.

Highly weathered biotite-gneiss country rock encloses a conformable kaolinized feldspathic pegmatite in the head of a drift on 35/ft level-barren of muscovite.

An unweathered pegmatite is intruded conformably with the foliation of an unweathered biotite-gneiss at shaft bottom. It contains only scattered small muscovite. 2 lbs. were recovered in 10/ft of shaft.

No reserves are indicated.

Field examiners recommend denial. The Nonmetallic Minerals Division concur in the denial.

The Commodity Divisions of the Geological Survey and Bureau of Mines also concur in the denial.

This property was the subject of exploration project under Docket No. DMEA-3572 which was terminated upon completion of stage I. Badly stained green, flat, 3-6 inches wide muscovite was found.

Hopkins
Houk
4 pgs

600

February 15, 1956

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration and Summary Report

By: James Hopkins

1. Docket No. DMEA-4077-Mica
Property: Irby Cut Mine
Yancey County, North Carolina
Applicants: Pete Ellis, Willie Monroe, Howard Westall, Eugene Westall
Spruce Pine, North Carolina

Application: MF-103 dated November 21, 1955 proposes:
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No reserves are indicated.

Field examiners recommend denial. The Nonmetallic Minerals Division concur in the denial.

The Commodity Divisions of the Geological Survey and Bureau of Mines also concur in the denial.

This property was the subject of exploration project under Docket No. DMEA-3572 which was terminated upon completion of stage I. Badly stained green, flat, 3-6 inches wide muscovite was found.

JHopkins:ms 2/17/56
Copy to: Admr. R. File
Mr. Houk
Mr. Hopkins

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 25, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
FEB 13 1956

February 9, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tenn.

Subject: Field Examination Report, DMEA-4077-Mica. Pete Ellis, Willie Monroe, Howard & Eugene Westall, Spruce Pine, N.C. Irby Cut Mine, Yancey County, N. C.

Enclosed are four copies of the subject examination report.

This mine is a good potential scrap producer, but has little possibility of strategic mica. We agree with the recommendation for denial.

The examination was made without a specific request, because the Field Examiners were in the vicinity and duplication of travel was avoided.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch By: zm
V. J. Lynch, Member
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
2-17-56
(date)

RECEIVED
FEB 1 9 1956

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

# EXAMINATION REPORT BY FIELD TEAM, REGION V

On

## DMEA-4077 (mica) THE IRBY CUT MINE
Yancey County, North Carolina

BY

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

S. C. Bergman, Geologist
U. S. Geological Survey

A. R. Taylor, Geologist
U. S. Geological Survey

January 18, 1956

Reviewed by
DMEA OPERATING COMMITTEE
2-17-56
(Date)

EXAMINATION REPORT

On

DMEA-4077 (mica) THE IRBY CUT MINE
Yancey County, North Carolina

FEB 13 1956

Applicants: Pete Ellis, Willie Monroe, Howard Westall, and Eugene Westall, Spruce Pine, North Carolina

Location: 1.3 airline miles N. 72° E of Celo, Yancey County, N. C., on the eastern slope of Bailey Mountain at 2750 ft elevation, and about 1000 ft west of the South Toe River. Located on the Celo Quadrangle, TVA - scale 1:24,000.

## Summary

A pegmatite containing small amounts of stained muscovite exists in the bottom of an old 45 ft deep shaft. The field examiners recommend d denial of the application on the basis of badly stained, non-strategic muscovite.

## Introduction

The field examiners inspected the Irby Cut Mine on January 18,1956 in the company of Mr. Pete Ellis, Mr. Howard Westall, Mr. Eugene Westall, and Willie Monroe, Mr. Charley McMahan, David Robinson and Mr. John Phillips. Two and one-half hours were spent in the examination.

The Irby Cut Mine proper, is large, with many old openings, old cuts, benched areas, etc.

In February, 1955, DMEA had a contract with Non-Metallic Minerals Corporation of Burnsville, N. C., for exploration of the Irby Cut Mine. That project was terminated upon completion of Stage I. Badly stained green, flat 3-6 inches wide, muscovite was found.

DMEA application No. 4077 is concerned with perhaps another pegmatite approximately 450 ft north of the previous contracts' location.

The Irby Cut Mine, on the Phillips Mica Property was mapped by W. L. Mattson and Hubert O. Deback in December 1938

Status of Present Workings

The mine that the applicants propose to work consists of a rounded, untimbered, vertical 5 x 5 ft. shaft, 45 ft in depth. It is in highly weathered, and loose material to a depth of 35 ft. At the 23 ft level a drift 4 ft high, 4 ft wide, and about 10 ft long, trends N 45 - 50° W in weathered material. A small drift, 4' x 4' x 16' long, extends S 45° E from the 35 ft level. The applicants have extended the shaft from the 35 ft level to the 45 ft level within the past two months.

A plan view of the old surface workingsshow an access road about 30 ft southwest of the shaft, a pit (30 ft N. 45° W. of the shaft) about 10 x 10 x 10 ft in depth where "reported 8" x 10" clear mica came from," a peanut shaped shallow trench, and numerous small pits. Small dumps exist to the northeast and northwest of the shaft. The shaft is about 50 ft SW of a large cut with many pits. The only surface facilities present are a gasoline powered hoist and an Ingersoll-Rand Compressor.

Geology

Highly weathered biotite-gneiss country rock encloses a conformable kaolinized, feldspathic pegmatite in the head of the drift at the 35 ft level. The pegmatite exposed is highly weathered and barren of muscovite.

An unweathered pegmatite is intruded conformably with the foliation of an unweathered biotite-gneiss at the shaft bottom. It is composed primarily of soda-feldspar, some scattered quartz, and small amount of green muscovite.

It has a minimum thickness of 4 ft and a strike of N. 45° W and dip to the SW at the 45 ft level.

Only scattered, small muscovite exists in the exposed pegmatite. The applicants had recovered only about 2 pounds of non-strategic muscovite from their 10 ft of shaft sinking in about 4 ft of pegmatite. Muscovite in place is small, flat, green, and badly stained. The stains are both brown and black. Perhaps hematite, magnetite, and/or biotite is responsible for the staining.

## Conclusions and Recommendations

No reserves of strategic quality muscovite are indicated, therefore, the field examiners recommend that the application be denied.

Examined: January 28, 1956

L. E. Shirley, Mining Engineer
Bureau of Mines

S. C. Bergman and A. R. Taylor, Geologists
Geological Survey

z

DOCKET FILE
Surname:

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

DEC 29 1955

Mr. Pete Ellis, et al.

Spruce Pine, North Carolina

Re: Docket No. DMEA-4077 - Mica
Pete Ellis, et al.
Irby Cut Mine
Yancey County, North Carolina

Dear Mr. Ellis:

Reference is made to your application for exploration assistance dated November 21, 1955, on the subject property.

Article 2 of your lease is not acceptable to the Government because it restricts your mining operations to sheet mica alone and the right to mine and sell other minerals including scrap and jig mica is reserved for the lessor. Article 3 reserves for the lessor an indefinite portion of the surface "to carry on mining operations for scrap or jig mica or other minerals." A lease to be acceptable to the Government must grant you exclusive rights to mine, obtain and sell all minerals commonly found in a pegmatite and also the right to as much of the surface as is necessary to accommodate mining buildings and facilities. The surface area reserved to the lessor should be shown on a sketch attached to the lease. Please have the lease revised accordingly.

It is also noted that the property containing approximately five (5) acres is inadequately described in the lease and Consent to Lien, particularly because it fails to tie the stake to a permanent landmark. You should obtain a legal description of the property that includes the bearings and distances of all boundaries with a tie-in to a permanent landmark. Please insert this legal description on the enclosed Consent to Lien and in its appropriate place on the revised lease and return them to this office. Upon receipt of the above revised documents properly executed, we will continue to process your application.

Sincerely yours,

C. O. Mittenbergt

Administrator

Enclosures 7

JHopkins:ad 12/28/55
Copy to: Admr. R. File Docket
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

Field Team, Region V

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 25, CE BLDG.
WASHINGTON 25, D. C.
KNOXVILLE 2, TENN.

RECEIVED
DEC 14 1955

December 12, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V

Subject: Forms MF-203, on DMEA-4077, Pete Ellis, Willie Monroe, Howard and Eugene Westall, Irby Cut Mine, Yancey Co., N. C.

Attached are the original and five copies of the subject forms requested in our letter to Mr. Warren Pritchard, December 6. These have been properly signed by W. Howard Simpson, President of Non-Metallic Minerals Corporation.

Robert A. Laurence

Robert A. Laurence

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 450 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
DEC 12 1955

December 8, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: DMEA-4077 (mica) Pete Ellis, et al. Irby Cut Mine, Yancey County, N. C.

In response to my letter of November 25, Mr. Warren Pritchard writes that the applicants have "apparently found a new vein..... only a short distance below the vein on the Fox property where they are now getting large quantities of mica." He also says the new work is not to be done in the vicinity of the work done under DMEA-3572.

This information is still insufficient to be of much use. However, as the Irby Cut Mine is readily accessible and close to areas regularly visited by our field examiners, and as the applicant apparently has done additional work since the termination of DMEA-3572, it appears that a field examination will be required before a recommendation for approval or denial of this new application can be made.

Robert A. Laurence

Robert A. Laurence

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

RECEIVED
DEC - 8 1955

December 6, 1955

Mr. Warren Pritchard

Spruce Pine, N. C.

Re: DMEA-4077 (mica)
Pete Ellis, et al
Irby Cut Mine

Dear Mr. Pritchard:

Your letter of December 1, and copies of the Consent to Lien have been received. As Mr. Simpson failed to sign the Consent to Lien, the forms have been sent to him for signature.

The additional data will be sent to the Washington office, to be reviewed with the application. We will advise Mr. Ellis if a field examination is to be made.

Very truly yours,

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

RAL/sm
cc:
Opr. Com.-2
Lynch
Shirley
Files

IN REPLY REFER TO:

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

RECEIVED
NOV 30 1955

November 30, 1955

Re: DMEA 4077
Pete Ellis, et al.
Irby Cut Mine
Yancey Co., N. C.
$4,295.00 - Mica

Memorandum

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

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

Subject: Review of application.

No information is given concerning the pegmatite on which the applicants propose to work. Perhaps the 50 feet of shaft, if new, affords an opportunity for a size up of the mica-bearing potential of the pegmatite it is now (or again) proposed to explore.

Referral to the Field Team for a check up is recommended.

N. E. Nelson

N. E. Nelson

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

RECEIVED
DEC - 1 1955

November 29, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4077 (mica)

Applicant: Ellis, Monroe, Westall, and Westall

Name and Location of Property: Irby Cut Mine, Yancey County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/29/55

Comments:

1. This property was explored under a DMEA contract and the contract was terminated by mutual agreement upon completion of Stage I.

2. If further work has disclosed a possible occurrence of strategic mica, further exploration may be warranted.

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 upon receipt of satisfactory supplemental information already requested.

W. F. Dietrich

W. F. Dietrich

November 29, 1955
Subject: DMEA-4077
Re: Exploration Assistance
Irby Cut Mine

Mr. Pete Ellis
Spruce Pine, North Carolina

My dear Mr. Ellis:

The receipt of your application dated November 21, 1955, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4077 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

November 29, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region V.

DMEA - 4077 Pete Ellis, et al

Robert E. Adams
Chief, Operation's Control
and Statistics Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
NOV 28 1955

November 25, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Application from Pete Ellis, Willie Monroe, Howard and Eugene Westall. Irby Cut Mine, Yancey County, N. C.

Enclosed are three copies of the subject application, received this morning, and 3 copies of our letter to the applicant. The fourth copy of the application is being retained for our use.

The applicant stated that executed form MF-203 will be forwarded to us within a few days.

This is the same mine that was explored under DMEA-3572, and terminated by mutual agreement.

Robert A. Laurence

Robert A. Laurence, Executive Officer
Field Team, Region V

V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1050 FEDERAL BLDG.
KNOXVILLE 2, TENN.

November 25, 1955

RECEIVED
NOV 28 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Application from Pete Ellis, Willie Monroe, Howard and Eugene Westall. Irby Cut Mine, Yancey County, N. C.

Enclosed are three copies of the subject application, received this morning, and 3 copies of our letter to the applicant. The fourth copy of the application is being retained for our use.

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This is the same mine that was explored under DMEA-3572, and terminated by mutual agreement.

Robert A. Laurence, Executive Officer
Field Team, Region V

V. J. Lynch, Member
Bureau of Mines

RAL/sm
cc: Lynch
Shirley
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1025 P.O. BLDG.
KNOXVILLE 2, TENN.

November 25, 1955

Mr. Warren H. Pritchard

Spruce Pine, North Carolina

DMEA Application - Pete Ellis, et al

Dear Mr. Pritchard:

The application of Messrs, Pete Ellis, Eugene Westall, Howard Westall and Willie Monroe, for aid in exploration for strategic mica at the Irby Cut Mine in Yancey County, North Carolina has been forwarded to our Washington office in accordance with established procedures.

In February 1955, we executed a contract with Non-Metallic Minerals Corporation, of Burnsville, N. C., for exploration of the Irby Cut Mine. After completing Stage I of this project, the contract was terminated by mutual agreement, because both the Government and the Operator agreed that further work was not likely to discover a significant deposit of strategic mica.

The application suggests that additional work has been done since February, but it does not explain where this work is, in relation to the work done under the earlier contract, or why it now appears favorable for exploration.

In order to expedite processing of the application, please ask the applicants to provide this additional information. A map showing the location of present and proposed work will be most helpful.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/mm
cc:
Lynch
Shirley
Files

MF-103
(Rev. April 1952)

# UNITED STATES DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
NOV 28 1955

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

*Not to be filled in by applicant*

Docket No. DMEA-4077
Metal or Mineral Mica
Date Received 11-28-55
Estimated Cost $4,295.00
Participation (Government %)

## INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Pete Ellis, Willie Monroe, Howard Westall, Eugene Westall all of Spruce Pine, North Carolina

(*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.

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

RECEIVED
NOV 25 1955
U. S. Geologic Division
Knoxville, Tenn.

(*b*) State any mine name by which the property is known. Irby Cut Mine

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. 50 ft. shafting sev. yrs. ago

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. Vein

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. Two miles east of Celo, North Carolina

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

16—66551-1

Manpower, materials, supplies, and equipment are all available.

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

(*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 Sheet

(*c*) The work will start within 30 days and be completed within 2 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. Several yrs. experience

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.). See attached sheet

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

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

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

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

[X] Money [X] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

## CERTIFICATION

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

Dated November 21, 1955

Howard Westall, Pete Ellis, Willie Monroe, Eugene Westall
(Applicant)

By Pete Ellis

**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.**

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3.(a) Located in South Toe Township, Yancey County, North Carolina, being a portion of what is known as the John W. Phillips tract of 55.3 acres and described as follows:

> From a stake in North property line, same being South line of James Fox property, for a distance of 100 ft. east and west of said stake, thence approximately due south from each point to the north side of Mark Hollow taking in what is locally known as the Irby Cut Mines, containing 5 acres, more or less.

5.(b) Already approximately 50 ft. of shafting has been done and we propose to extend the shaft 25 feet and to do 35 feet of drifting on each side.

6. Estimate of Cost:

| | |
|---|---|
| Four laborers @ $1.50 per hr. - 8 hrs. per day 5 days per week for 8 weeks | $1920. |
| Bulldozing and road work | 500. |
| Rent of Compressor for 2 months | 250. |
| Hoist rent for 2 months | 90. |
| Gas and Oil | 400. |
| Steel | 150. |
| Explosives | 250. |
| Tool house and house over hoist | 200. |
| Dynamite and cap box | 35. |
| Small Tools | 50. |
| Rent on Pump | 150. |
| Contingencies | 300. |
| TOTAL: | $4295. |