DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL - 6 1953

MF-200 (A)
(February 1952)

DOCKET NO. DMEA-[illegible]

COMMODITY Mica

Docket Copy

IDM-E 554

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

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 19th day of June, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Richard C. Angel
Franklin
North Carolina

hereinafter called the "Operator," as follows: and as set forth in Annexes I and II attached hereto and made a part hereof:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of the mineral rights in North Carolina, County of Macon, described as ~~follows~~[3] set forth in Annex II

the Operator represents and undertakes:[4]

~~(a) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens or encumbrances as to title or which the Government is to be subrogated to the rights of claimants:~~

(b) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 60 days from the date of this contract shall commence work on a project of exploration for[5] Mica

in or upon the described land; and shall bring the project to completion within a period of eight (8) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 90 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $4,770.00, which is 90 percent of $5,300.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows: See Annex I, substituted for that part of 6(a) preceding the colon:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* .....

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Richard C. Angel
(Operator)

By Richard C. Angel

By C. Mitteulsy
Administrator, Defense Minerals Exploration Administration

RCKane
Pritty
Kirk Chamber

I, _____, certify that I am the secretary of the corporation named as Operator herein; that _____, who signed this contract on behalf of the Operator, was then _____ of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

Docket Copy

EXPLORATION PROJECT CONTRACT
RICHARD C. ANGEL
DOCKET NO. DMEA-2974

ANNEX I

The following provisions are in lieu of all of paragraph (a) of Article 6 which precedes the colon:

If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account required by the exploration project contract, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development. The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land which is the subject of the exploration project contract, as follows: (1) Regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by the contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, as follows:

EXPLORATION PROJECT CONTRACT
RICHARD C. ANGEL
DOCKET NO. DMEA-2974

ANNEX II

The mineral rights in the land referred to in Article 2 of the contract form were leased by J. P. Norton and his wife, Mary Norton, to the Operator by lease dated March 30, 1953, recorded in the Office of the Register of Deeds for Macon County, North Carolina, in Book C-6, Page 231. The land is described in the said lease as follows:

> "Being a part of the Quisenberry property now owned by the parties of the first part [J. P. Norton and wife Mary Norton], lying and being on the bank of Rabbit Creek, on the East side of Highway US 23 and 441, as follows: BEGINNING at a walnut tree on the bank and at a bend in said creek, approximately 150 feet from the Old Rabbit Creek Bridge, and runs with the meanders of said creek in a Southerly direction to a stake, at upper end of bottom, witnessed by poplar tree, from thence in a straight line back across a ridge, in a Northwesterly direction to the place of the BEGINNING, containing 2½ acres, more or less. This parcel of land consists of the old location of the Quisenberry Mine.

The above-described land surrounds the Quisenberry Mica Mine, which is the subject of this exploration project, and nowhere is the leased area less than 300 feet from the mine.

Attached hereto and made a part hereof is a map entitled "Richard C. Angel, Franklin, N. C., Quisenberry Mine, Macon County," delimiting the above property.

EXPLORATION PROJECT CONTRACT
RICHARD C. ANGEL
DOCKET NO. DMEA-2974

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica will be accomplished in the area indicated on the attached map entitled "Sketch of the Quisenberry Mine, Macon Co., N. C., DMEA-2974," by the work described below.

1. Remove timber and otherwise prepare shaft site.

2. Construct a toolhouse 10 feet by 12 feet in area.

3. Construct an approved powder magazine.

4. Construct an approved detonator magazine.

5. Enlarge the existing 28-foot shaft to a 5-foot by 7-foot cross section divided into two compartments by a partition, timber, and install approved ladders in the manway.

6. Deepen the enlarged shaft not more than 32 feet, to a total depth of 60 feet.

7. Drift not more than 75 feet from approximately the 57-foot point in the shaft. The drift shall be 5 feet by 7 feet in cross section and timbered as necessary.

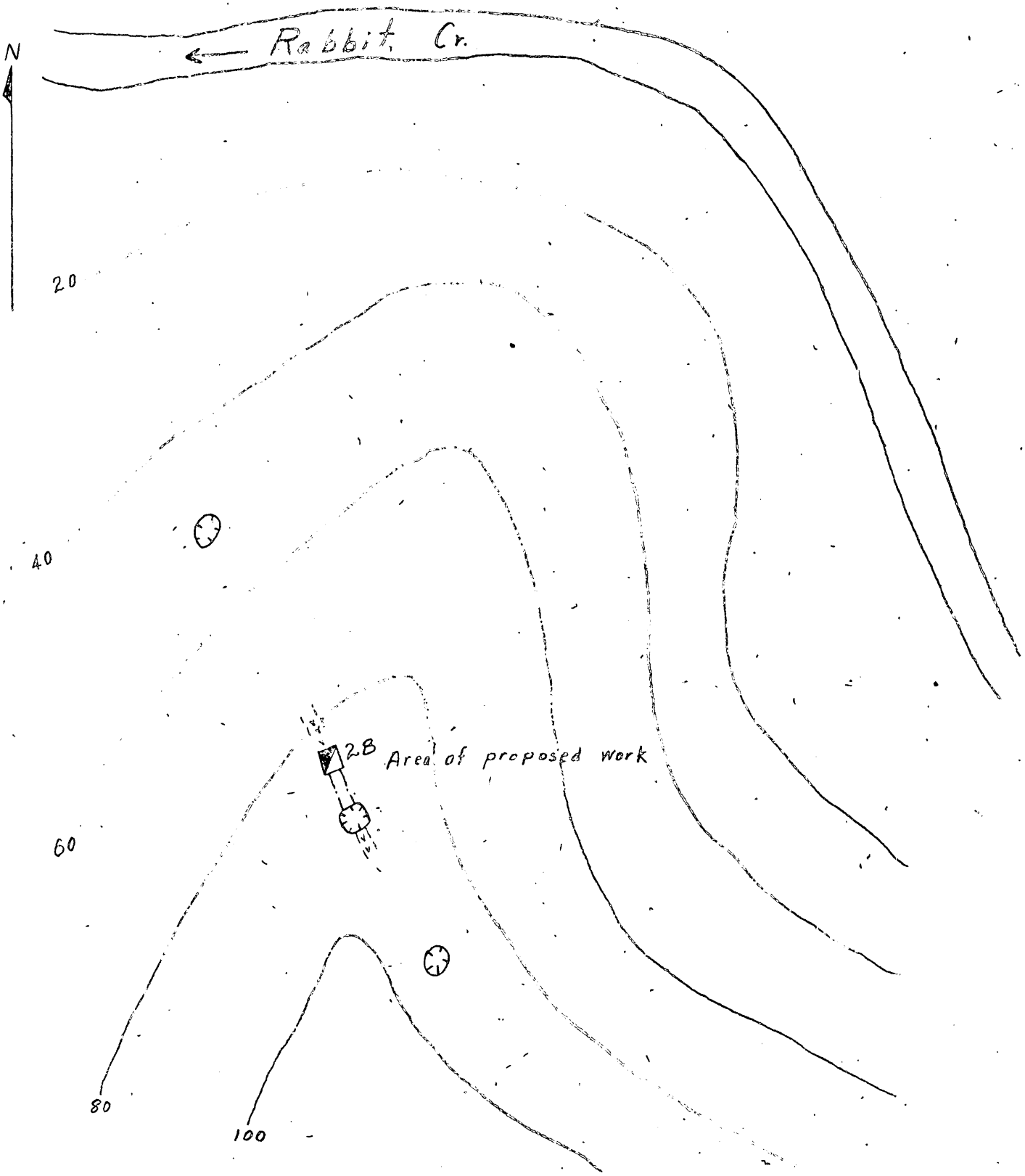
The location, direction, and extent of all work shall have prior approval of the Government.

Agreed Unit Costs

Preparation of shaft site 1/	$150.00
Construction of toolhouse 1/	150.00
Construction of powder magazine 1/	50.00
Construction of detonator magazine 1/	25.00

1/ The unit is the completed item.

Enlarging and timbering existing shaft, 28 feet @ $25.00/ft.	$700.00	
Sinking shaft (including partition and ladders) 32 feet @ $42.00/ft.	1,344.00	
Timbering deepened part of shaft, 32 feet @ $8.00/ft.	256.00	
Drifting (including necessary timbering) 75 feet @ $35.00/ft.	2,625.00	
Total Agreed Unit Costs		$5,300.00
Government Participation @ 90%		$4,770.00



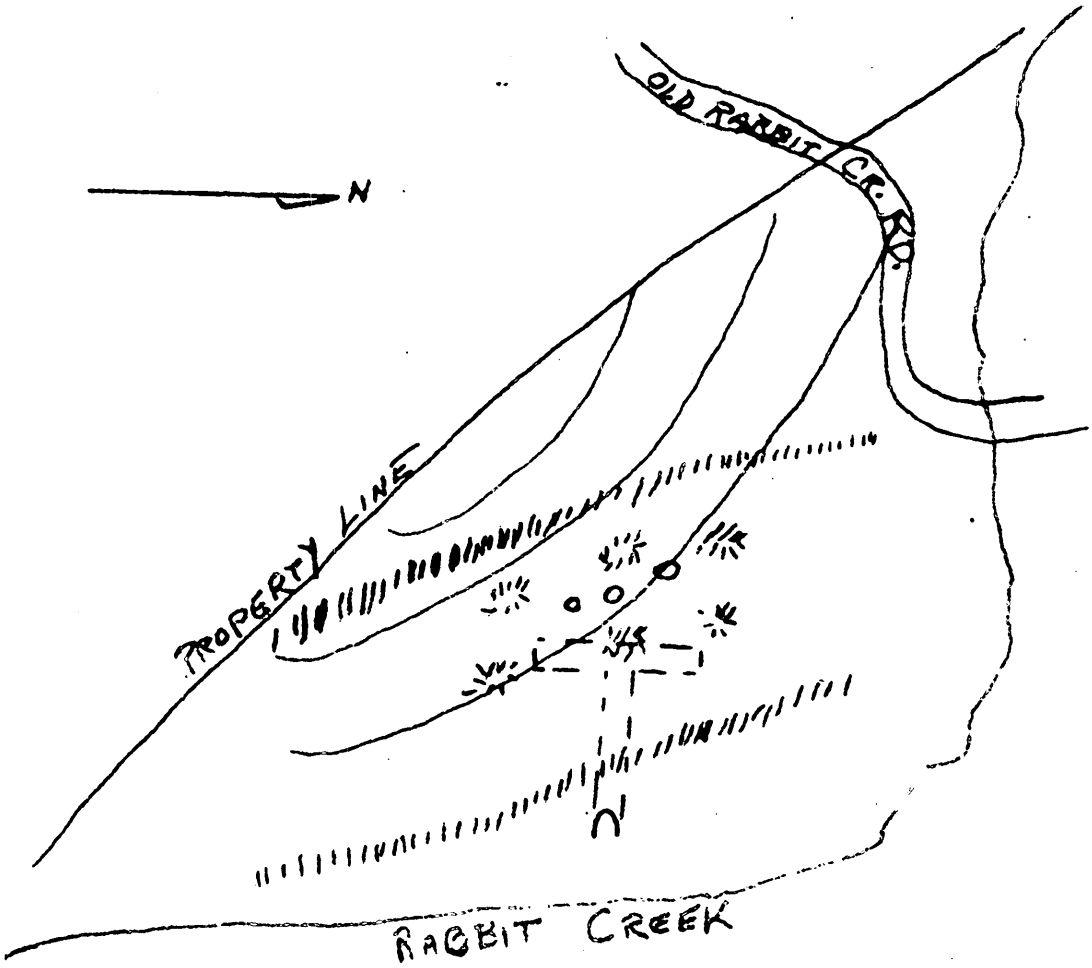
Sketch of
Quisenberry Mine
Macon Co., N.C.

0 40' 80'
Scale

Amer 2974

MF-103 RICHARD C. ANGEL FRANKLIN, N.C.

- MICA -
QUISENBERRY MINE
MACON COUNTY



PROPOSED TUNNEL - 100' long, with 100' of drifting.

///// PEGMATITE & OUTCROPPINGS

O O PAST WORKINGS (PITS)

Department of the Interior
Bureau of Mines
Mail Section
RECEIVED
MAY 6 1953

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of North Carolina, County of Macon, described as follows:1/

~~A 100 part of the Cisenberry property, located in Macon County, N. C., held by Richard C. Angel under lease dated March 30, 1953 and recorded in the office of the Register of Deeds for Macon County, N. C., in Book 8-6 at page 221.~~

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Gerald C. Angel

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 4,770.00, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 1st day of April, 1953.

J. P. Norton [Seal]

Mary Norton [Seal]

[Seal]

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

2/ Insert the name of the Operator as it will appear in the exploration project contract.

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

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2974

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 ASSISTANCE

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.

One copy to USBM. & USGS. One copy retained in Region VII.

Routing Slip

To:	Code 600, Room 4637	Date	4/8/53
To:	~~[illegible]~~	Date	~~[illegible]~~
To:	Open Com	Date	5-6-53
To:	Open Com	Date	6-19-53
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

File Copy
Surname:
Anderson

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

Project Summary Report

By: Walter C. Anderson February 23, 1954

1. DMEA Docket No. 2974 - Mica
Contract No. Idm-E554
Quisenberry Mine
Macon County, North Carolina

Operator: Richard C. Angel
Franklin, North Carolina

Operator's Property Rights: Lessee
Lease and Option - dated March 30, 1953.
Owner's Consent to Lien - dated April 1, 1953.

2. Contract - dated June 19, 1953.
Work authorized:

Preparation of shaft site	$150.00
Construction-toolhouse	150.00
powder magazine	50.00
detonator magazine	25.00
Enlarging and timbering existing shaft, 28 ft. @ $25/ft.	700.00
32 feet of shaft @ $42/ft.	1,344.00
Timbering deepened part of shaft - 32 ft. @ $8/ft.	256.00
75 feet drift @ $35/ft.	2,625.00
Total estimated costs	$5,300.00
Government participation @ 90%	$4,770.00

Amendments: None

Work completed:

Prepare shaft site	$150.00
New buildings	225.00
Recondition shaft - 28 ft. @ $25/ft.	700.00
32 feet shaft @ $42/ft.	1,344.00
Timbering shaft - 13 ft. @ $8/ft.	104.00
75 feet drift @ $35/ft.	2,625.00
Total accepted cost	$5,148.00
Government participation @ 90%	$4,633.20

Work began July 6, 1953 and was completed on November 30, 1953.

3. Audit - certificate issued 1/20/54 (no exceptions).

4. Certification of Discovery - None issued.

5. Comments: The operation was conducted in an efficient and satisfactory manner. Acceptable engineering and geological reports were submitted by the Operator. Prior to the subject exploration project, the Quisenberry Mine had not been worked for more than thirty years, except for a few days in 1943, when a 28 foot shaft was cleaned out but no mining done. Other old workings are two shallow pits, a filled 15 foot shaft and a drift connecting the two shafts. There was no pegmatite exposed, but it was established that the pegmatite is emplaced in biotite-garnet gneiss. The dump material suggested a fairly well zoned pegmatite containing a quartz core flanked by zones of microcline-quartz-muscovited-biotite rock. These data supported by the report that in past operations considerable mica in large sizes was produced, was the basis for determining exploration assistance.

Exploration work completed under contract consisted of enlarging an existing 28 foot shaft to five feet by seven feet, sinking an additional 32 feet of shaft and driving 75 feet of drift. A vertical pegmatite, enclosed by a biotite gneiss, is exposed in the upper part of the shaft. Thickness of the pegmatite decreases from about three feet to a narrow stringer at the bottom of the shaft, which persists along the drift for its entire length. The pegmatite consists of quartz, feldspar and scattered small books of mica. It is apparent that the pegmatite bottoms slightly below the old workings.

Since it is evident that there are no prospects for a commercial operation at this property, the Nonmetallic Minerals Division concurs in the Field Team's recommendation that a Certification of Discovery should not be issued.

WCAnderson:gad 2/23/54

Copy to: Admr. R. File
Docket File
Mr. Houk

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

INTERIOR DEPT.
SEP 3 - 1954
SOLICITOR

SEP 17 1954

Mr. Michael C. Angel

Franklin, North Carolina

Re: Docket No. [illegible]-2974 - Mica
Chiccanbury Mine
Macon County, North Carolina
Contract No. [illegible]-554

Dear Mr. Angel:

We are pleased to advise you that your performance of exploration work under the subject contract has been acceptable to the Government, and the account relating thereto has been closed. The final audit of the Contract Administration and Audit Division shows:

Total claimed for units of work performed	$5,140.00
Total Government contribution at 90 percent	4,63[illegible].00

Your attention is called to the provision of the contract which requires you to keep and preserve your records and accounts of this transaction for a period of three years for possible future reference.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the exploration contract. In the absence of such certification, the Government retains no claim or lien against the property or royalty on any production made after the date of this letter.

The Government thanks you for your interest and participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

Frank E. Johnson

ACTING
Administrator

LGHouk:gad 9/2/54

Copy to: Admr. R. File
Docket
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Killsgaard, 5227

Copy to: Mr. J. P. Norton
Mrs. Mary Norton
Attached to Reg. VII's copies.

Mr. Houk

R.C.S.

Mr. Anderson

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 5 1954

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

February 4, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2974, Mica

Contract Number: Idm-E554

Applicant: Richard Angel

Name and Location of Property: Quisenberry Mine
Macon County, North Carolina

Date of Field Team Final Report: January 12, 1954

Date Rec'd by Ceramic & Fertilizer Mats. Branch: February 4, 1954

Field Team Recommendation:

1. No certification of discovery.

Comments:

1. Mica of strategic quality and grade was not recovered.
2. Expenditures:

Total approved	$5,300.00
Total costs	5,148.00
Government's share	4,633.20
Value	None

Recommendation:

I concur in the field team's recommendation to deny certification of discovery or development.

W. F. Dietrich

W. F. Dietrich

Mr. Anderson

IN REPLY REFER TO:

G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 21 1954

January 20, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2974 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Richard C. Angel.
Name of property: Quisenberry Mine.
Location of property: South side of Rabbit Creek, east of U. S. Highway 23, and 2.1 airline miles N. 40° E. of Franklin, Macon County, North Carolina.
Date of field team report: January 7, 1954.
Authorship of field team report: K. H. Teague, L. E. Shirley, D. H. Amos.
Field team's recommendation:
No certification of discovery should be issued.
Comments:
Because no commercial mica was discovered, no further work is recommended.
ACTION RECOMMENDED:
Follow field team's recommendation.

D. M. Larrabee
D. M. Larrabee
per DAB

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

January 12, 1954

Memorandum

To: Operating Committee, D M E A - Washington

From: Executive Officer, DMEA - Region 7

Subject: Field Team Final Report, DMEA-2974 (mica) Quisenberry Mine Macon County, North Carolina. Richard C. Angel, Opr. Idm-E 554.

Enclosed are 4 copies of the Field Team final report on the subject exploration contract.

The Field Team agrees with the conclusion of the examiners, that certification of discovery should not be issued and that further exploration is not advisable.

Robert A. Laurence

Robert A. Laurence

Reviewed by
DMEA OPERATING COMMITTEE
1-18-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

gcl
3/1/54

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
BY
FIELD TEAM, REGION VII

ON

DMEA-2974, QUISENBERRY MINE
(mica)
Macon County, N. C.

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

Dewey H. Amos, Geologist
U. S. Geological Survey

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

January 7, 1954

Reviewed by
DMEA OPERATING COMMITTEE
1-18-54
(date)

FINAL REPORT
On
DMEA-2974, QUISENBERRY Mine (mica)
Contract Idm-E 554

Operator: Richard C. Angel, Franklin, North Carolina

The Quisenberry Mine is on the south side of Rabbit Creek, east of U. S. Highway 23, and 2.1 airline miles N. 40° E of Franklin, Macon County, North Carolina.

Work completed under contract consisted of enlarging an existing 28-foot shaft to 5' x 7', sinking an addition 32 feet of shaft, and driving 75 feet of drift. As no commercial mica was discovered, further exploration is not warranted, nor should a certification of discovery be issued.

Work began July 6, 1953 and was completed on November 30, 1953. A toolhouse, powder magazine and detonator magazine were constructed and a shaft site was prepared. The existing 28-foot 4' x 5' shaft was enlarged to 5' x 7' and was deepened to a total depth of 60 feet. A 75-foot drift was driven to the southeast at the 57-foot level.

A vertical pegmatite which strikes about N 45° W., is exposed in the upper part of the shaft. It is enclosed by a biotite gneiss which strikes N 45° W and dip 65° NE. Thickness of the pegmatite decreases from about 3 feet near the surface to a narrow stringer at the bottom of the shaft. The pegmatite consists of quartz, feldspar, and scattered small books of mica. The narrow stringer at the bottom of the shaft persists along the drift for its entire length. It is apparent that the pegmatite bottoms above the drift level, probably only slightly below the old workings.

Expenditures:

(a)	Total approved	$5,300.00
(b)	Total cost of project	5,148.00
(c)	Government's share of cost	4,633.20
(d)	Government's share unexpended	136.80
(e)	Value of production during operation - none	

The operation was conducted in an efficient and satisfactory manner. No equipment was purchased under the contract.

K. H. Teague, Geologist, USGS

L. E. Shirley, Mining Engineer, USBM

January 7, 1954

D. H. Amos, Geologist, USGS

zm

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1953

2974

December 21, 1953

Memorandum

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

From: D. M. Larrabee, U. S. Geological Survey

Subject: Quisenberry mine, (mica),
R. C. Angel, Franklin, North Carolina.

Field examiners report of November 30, 1953, received this office December 21, stated all work completed without making a worthwhile discovery of strategic mica, and no further work warranted.

Action recommended:

Completion of project with no certification of discovery.

D. M. Larrabee

D. M. Larrabee

IN REPLY REFER TO:

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

December 21, 1953

Memorandum

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

From: D. M. Larrabee, U. S. Geological Survey

Subject: Quisenberry mine, (mica),
R. C. Angel, Franklin, North Carolina.

Field examiners report of November 30, 1953, received this office December 21, stated all work completed without making a worthwhile discovery of strategic mica, and no further work warranted.

Action recommended:

Completion of project with no certification of discovery.

D. M. Larrabee

Larrabee:jeh
12/21/53
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230

IN REPLY REFER TO:

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

December 21, 1953

Memorandum

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

From: D. M. Larrabee, U. S. Geological Survey

Subject: Guisenberry mine, (mica),
R. C. Angel, Franklin, North Carolina.

Field examiners report of November 30, 1953, received this office December 21, stated all work completed without making a worthwhile discovery of strategic mica, and no further work warranted.

Action recommended:

Completion of project with no certification of discovery.

D. M. Larrabee

Larrabee:jeh
12/21/53
cc: Director's reading 4212
Branch reading 4212
DMEA 3 ✓
Larrabee G-230

98

INTERIM REPORT

DMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina.

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and is 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina.

This project has been completed and all footage allowable under contract has been used without making a worthwhile discovery of strategic mica. An existing 28 foot shaft was enlarged to 5' x 7' in cross section and was deepened to a total depth of 60 ft. A 75 ft. drift was driven to the southeast which followed a narrow pegmatite stringer for its entire distance. The stringer was composed of quartz, feldspar and small muscovite mica. The country rock was principally a biotite schist, becoming extremely weathered in the last 15 feet of drift work.

The target, as such, was never encountered by drift work. It is assumed that the pegmatite did not extend to the depth anticipated in the original examination. No additional work appears warranted on this contract.

L. E. Shirley

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

K. H. Teague

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

November 30, 1953

INTERIM REPORT

DMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina.

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina.

Crosscutting continues on this contract and is now at 46.8 feet. Material removed since last report consists principally of biotite gneiss, containing narrow stringers of pegmatite consisting of quartz, feldspar, small muscovite mica and accessory garnet.

The need for thorough scaling of the crosscut after shooting was brought to the attention of the operator. It was also suggested that all timbering be checked and replaced where needed.

L. E. Shirley

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

K. H. Teague

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

November 13, 1953

INTERIM REPORT

DMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and is 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina.

Crosscutting continues on this contract and is now at 22 feet, being driven to the southeast. A narrow granitic stringer has been followed for this entire distance, which is near the floor on the east side of the crosscut. Recent headings pulled shows slicken sides on the east wall also, indicating movement in the general area. Material encountered is principally biotite schist with the exception of the stringer mentioned above. Progress on this contract is satisfactory.

L. E. Shirley

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

November 2, 1953

INTERIM REPORT

DMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina.

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and is 2.1 airline miles N 40° E of Franklin, Macon County, N. C.

Shaft sinking, with the exception of a three ft. sump, has been completed on this contract to a depth of 57 feet. Turnoff from this level has been made and a crosscut is being driven to the southwest, which has advanced 7 feet. Most of the material removed from the crosscut has been biotite schist, but a narrow lense or stringer of pegmatite material was observed in the floor. Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague

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

October 21, 1953

INTERIM REPORT

DMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina.

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina.

Shaft sinking is nearing completion on this contract and is now at 55 feet. Only 5 feet of shaft remains to be sunk, at which point turnoff will be made and drifting begun. Material encountered recently consists principally of biotite schist with quartz stringers.

Several suggestions were made concerning trimming of last 15 feet of shaft and repair of timbers, installation of landings in the manway, and general safety recommendations.

L. E. Shirley

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

K. H. Teague

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

October 8, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 2 1953

Interim Report

DMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and is 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina.

Shaft sinking continues on this contract and is now at 50 feet. This mine was not working due to compressor trouble, but operator expects to resume work within the coming week. The shaft bottom was not examined, but dump material shows scattered pegmatite and biotite gneiss.

L. E. Shirley

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

K. H. Teague

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

September 21, 1953

600

INTERIM REPORT

DMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and is 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina.

Shaft sinking on this contract continues and is now at 37 feet. The shaft is in pegmatite material composed of feldspar, quartz and small muscovite mica observed on the southeast side.

Some of the timbering had been shot out a few days previous to this visit and had been adequately replaced. It was suggested that landings be installed and ladders repaired in the manway as soon as practicable.

L. E. Shirley

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

K. H. Teague

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

August 24, 1953

INTERIM REPORT

DMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina

The enlargement and timbering of this shaft has been completed to 28 feet. Shaft sinking has begun and has advanced 3.5 feet, making the present depth at 31.5 feet. The pegmatite body is remaking its appearance in the shaft, but its physical characteristics have not changed appreciably from that observed in the earlier workings.

The shaft has been cribbed to 28.5 feet, partition and ladders installed, but no landing work has been accomplished to date. Progress on this contract has been satisfactory.

L. E. Shirley

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

K. H. Teague

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

August 10, 1953

INTERIM REPORT

IMEA-2974 Idm-E554 (mica) QUISENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and is 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina.

Shaft enlargement and timbering of the existing shaft continues on this contract and is now at 21 feet, having been cribbed solid with 2" x 6" sawed timbers to this depth. Magazine, detonator and tool house construction has been completed satisfactorily.

Pegmatite material is exposed in the SW side of the shaft vertically for about 3 feet and is composed of kaolinized feldspar, quartz and ruby mica. Largest mica observed was 4" x 6" and smaller pieces were seen that were badly bent, Containing a greenish stain.

Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague

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

July 27, 1953

INTERIM REPORT

DMEA-2974 Idm-E554 (mica) QUIZENBERRY MINE

OPERATOR: Richard C. Angel, Franklin, North Carolina

LOCATION: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and is 2.1 airline miles N 40° E of Franklin, Macon County, North Carolina.

The starting date on this project is July 6, 1953. The shaft site has been prepared, a tool house, 10' x 12', has been constructed, and powder and detonator magazines completed, with the exception of a few minor changes and additions recommended after examination. Shaft enlargement is in progress, but only 3-4 ft. had been accomplished and is not yet ready for timbering.

Equipment on the job and ready for use consists of a 105 c.f.m. air compressor and a gasoline powered hoist. A straight leg and boom pole has been erected and is considered adequate for the proposed work with minor changes. Progress on this contract has been good.

L. E. Shirley

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

K. H. Teague

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

July 13, 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL - 6 1953

July 2, 1953

Memorandum

To: Chairman, Operating Committee, DMEA, Washington

From: Executive Officer, DMEA Field Team, Region VII

Subject: Signed Contract IDM-E 554, Docket No. DMEA-2974 - mica
Richard C. Angel, Franklin, North Carolina

Transmitted herewith are the original and two signed copies of the above subject contract. One copy was retained by the Operator, one by this office, and one sent to the Finance Officer.

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

Enclosures

Cor
7-6

REGISTERED MAIL

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

July 1, 1953

Mr. Richard Angel
Franklin, North Carolina

Re: DMEA-2974
Quisenberry Mine (mica)

Dear Sir:

We have just been advised by our Washington office that any pending contract not fully executed by both theOperator and the Government before midnight June 30 must be withdrawn and held until further notice. This is because Congress has not passed a bill extending the authority of DMEA.

If your contract is received here with a postmark dated June 30 or earlier, it will be effective and we will so notify you. Otherwise, we will have to hold it here until further notice from Washington.

If you have already signed the contract and mailed it to this office, do not begin work on the project until you have received notice from us. If you have not signed it, please do so and return allcopies except the "Operator's Copy", but do not begin work until notified by us. Any work done prior to such notification will have to be done at your own expense.

We will advise you as soon as we receive notice, of the status of your contract.

Very truly yours,

Robert A. Laurence, Executive Officer
DMEA, Region VII

RAL/sm

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. JUN 22 1953

Feitler
Houk
Chandler
Selfridge
Gilmore

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

Subject: Docket No. DMEA-2974 - Mica
Richard C. Angel
Quisenberry Mine
Macon County, North Carolina

Dear Mr. Laurence:

Please find herewith the original and five copies of a contract covering the subject exploration project which have been signed by the Government with register number and effective date as shown.

If the contract meets with your approval, insert the time for starting and completing the work in Article 3 of the contract and present it to the Operator for approval and signature. Please explain to the Operator that the contract, when executed, is a firm commitment under the terms of which he is obligated to complete the work outlined at the agreed unit cost. If any part of this contract does not have either your approval or that of the Operator and cannot be amended within your delegated authority, then the original and all copies of the contract are to be returned to this office, together with the proposed changes for consideration.

After execution of the contract, the copies are to be distributed in the usual manner.

Copies of memoranda from the Bureau of Mines and the Geological Survey are enclosed.

Sincerely yours,

6.22

George C. Selfridge
Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

A. R. Kinkel, Jr.
Member, Geological Survey

Enclosures 10

SAFeitler:gad 6/17/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

UNITED STATES 140
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

June 15, 1953

Memorandum

To: The Administrator
Through: Mr. L. G. Houk

From: Chief Counsel

Subject: Richard C. Angel, Docket No. DMEA-2974 - Mica

There is attached, in satisfactory legal form for execution, a contract covering the above-described project, subject to attachment of the map referred to in Annex II.

Alf E Kane
for J. L. Hofflund
Chief Counsel

Attachments

FILE COPY
SURNAME:

AEKane
Ruling

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

140

June 15, 1953

n.s. in R.s R.

Memorandum

To: The Administrator
Through: Mr. L. G. Houk

From: Chief Counsel

Subject: Richard C. Angel, Docket No. DMEA-2974 - Mica

There is attached, in satisfactory legal form for execution, a contract covering the above-described project, subject to attachment of the map referred to in Annex II.

/s/ Albt E. Kane
for J. L. Hofflund
Chief Counsel

Attachments

AEKane:ep

Copy to: Mails & Files
Mr. Hofflund
Mr. Kane
Chron.

Mr. Fitler

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

June 1, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2974, Quisenberry Mine
Macon County, North Carolina

I concur in the field team's recommendation for an exploration program in the amount of $5,300.

W. F. Dietrich

W. F. Dietrich

Mr. Feitler

IN REPLY REFER TO:

G-MD-CNM

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

May 21, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2974 (mica).

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Richard C. Angel, Franklin, N. C.
Name of property: Quisenberry Mine
Location of property: 2.1 miles N. 40° E. of Franklin, N. C.
Date of field team report: May 13, 1953.
Authorship of field team report: Teague and Shirley
Field team's recommendation:

Shaft preparation
Tool house
Magazines
Recondition old shaft
32' x 5' x 7', 2 cpt. shaft
75' drift

ACTION SUGGESTED: Follow field team's recommendation.

D. M. Larrabee

D. M. Larrabee

UNITED STATES
DEPARTMENT OF THE INTERIOR

JUN 18 1953
6/18/53

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2974-QUISENBERRY MINE (mica)
Franklin, Macon County, N. C.

By

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

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

May 13, 1953

Field Examination Report
on
DMEA 2974, QUISENBERRY MINE (mica)
Applicant: Richard C. Angel, Franklin, North Carolina

This mine has not been worked in more than thirty years and work prior to that time had not been extensive. The pegmatite is not exposed, although dump material suggests a fairly well zoned pegmatite. It appears that the deposit justifies exploration assistance.

The mine was examined on May 8, 1953. Messrs. Richard C. Angel, Zeb Angel, and J. P. Norton accompanied the examiners on the inspection which required two hours.

The Quisenberry mica mine, on the south side of Rabbit Creek, and east of U. S. Highway 23, is 2.1 airline miles N. 40° E. of Franklin, Macon County North Carolina. Access to the mine is good at all times.

The applicant appears to be capable and competent to conduct the proposed project. He holds the property under lease, and nowhere are the limits of the lease area less than 300 feet from the mine.

The property is owned by J. P. Norton and wife, and was worked for a few days in 1943 by A. Ward, who cleaned out the northwestern shaft, but he did no mining. The workings consist of one open shaft, 28 feet deep, and a filled shaft 15 feet to the southeast. Two other shallow pits have also been dug in the same zone and contain pegmatite in the dump, one pit is 75 feet northwest and one southeast of the two shafts above. A drift connects the 28-foot shaft with the filled shaft.

The pegmatite is emplaced in biotite-garnet gneiss which strikes N. 45° W. and dips 65° N.E. The pegmatite body is not exposed, but probably strikes northwest and dips near vertical. From the dump material it seems likely that the dike contain a quartz core flanked by zones of microcline-quartz-muscovite-biotite rock. The dump material is lean in mica, although it is reported that when the mine was operated, considerable mica in large sizes was obtained.

The mica is hard, generally flat, ruby colored, splits well, and most of it is free of spots. The main defects are ruling and some of the books contain scattered black spots.

The examiners recommend that exploration assistance be granted on this deposit. The work should consist of removal of timber from shaft site, construct tool house, two magazines, trimming the existing 4' x 5', 28-foot shaft to 5' x 7' and deepen the shaft 32 feet to 60 feet, and drive 75 feet of drifts from about the 57 foot level. The shaft will be in hard rock and will require little timber.

Estimated Cost:

Shaft site preparation	$ 150.00
10' x 12' tool house	150.00
Powder magazine	50.00
Exploder magazine	25.00
Reconditioning and trimming 4' x 5' to 5' x 7' shaft with separate hoist and manway, 28 feet @ $25/ft.....	700.00
32 feet, 5' x 7' , 2-compartment shaft @ $50/ft.	1,600.00
75 feet of drift @ $35/ft.	2,625.00
Estimated Total Cost.....	$5,300.00

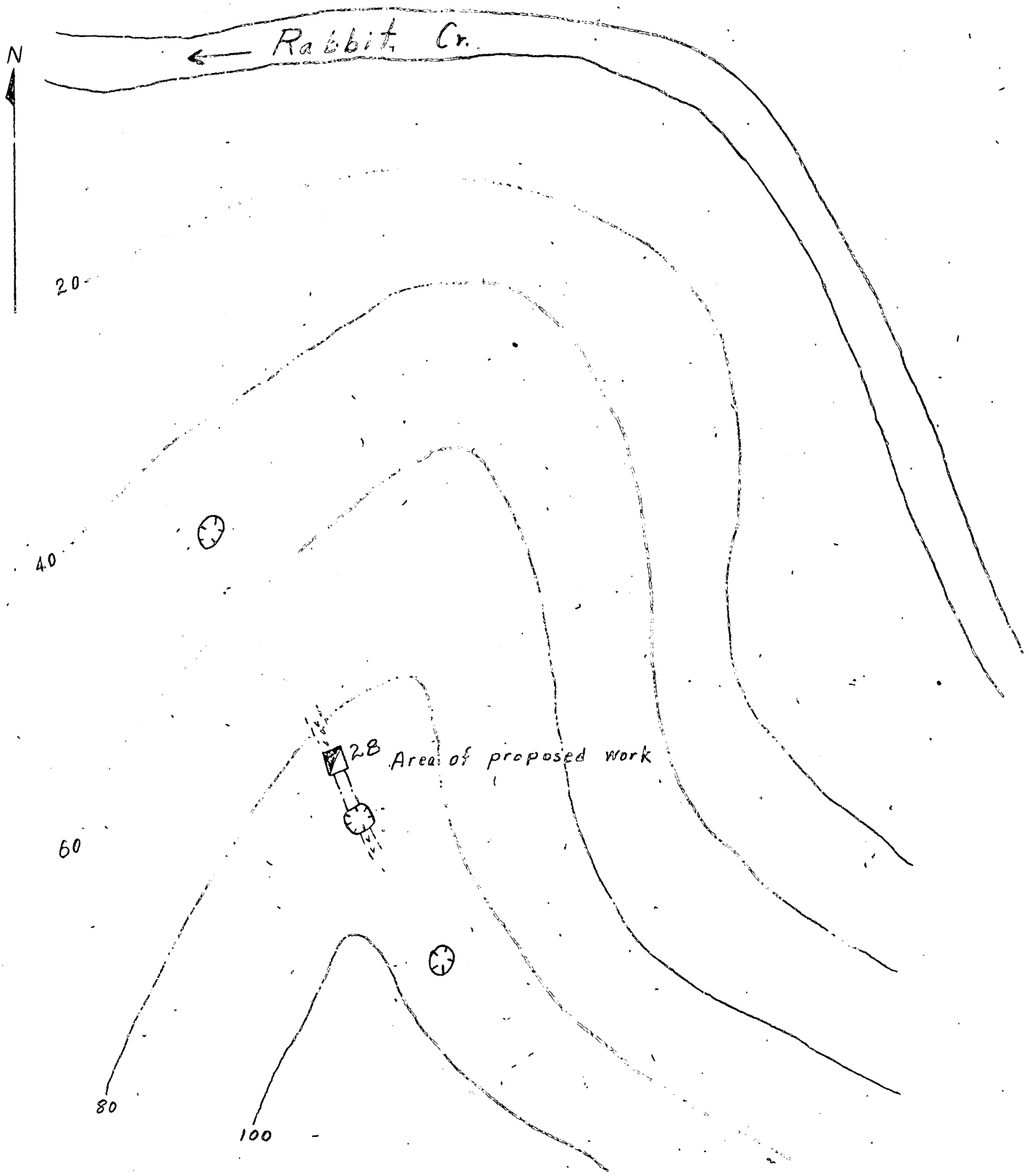
Estimated time required 75 shifts.

May 13, 1953

Kefton H. Teague, Geologist
U. S. G. S.

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

zm



Sketch of
Quisenberry Mine
Macon Co., N.C.

0 40' 80'
Scale

DMEA-2974 (mica)

FILE COPY
SURNAME:

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

MAY 7 1953

Mr. Richard C. Angel

Franklin, North Carolina

Re: Docket No. [illegible]-974 - Mica
Quisenberry Mine
Macon County, North Carolina

Dear Mr. Angel:

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

The Regional Office will contact you at an early date, if an examination is to be made. Any assistance that you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (fw)

S.H. 5-7-53

Administrator

LGHouk:gad 4/14/53

Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk
Operating Committee

FILE COPY
SURNAME:

Selfridge
Referral

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

600

MAY 7 1953

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

Subject: Docket No. DMEA-2974 - Mica
Richard C. Angel
Quisenberry Mine
Macon County, North Carolina

Dear Mr. Laurence:

Please arrange for a field examination of the subject mine.

Copies of memoranda from the Geological Survey and the Bureau of Mines are enclosed.

The plan to intersect the pegmatite with a crosscut appears to be development and other means of exploring this pegmatite should be considered.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GHB)

Approved:

J. H. Hedges (GHB)
Member, Bureau of Mines

A. R. Kinkel, Jr. (GHB)
Member, Geological Survey

J.H.
5-7-53

Enclosures 4
LGHouk:gad 4/14/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

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

April 30, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2974, Mica, Quisenberry Mine
Macon County, Franklin, North Carolina

The Geological Survey (Professional Paper 225, p. 84) tested 8 pieces of mica from subject mine to be 190 percent of E-1 capacitor quality and color was classified as pinkish-buff with pale-greenish streaks, generally acceptable as ruby mica. It is suggested that the field team visit this property when a member of the field team is in that vicinity to ascertain if an exploration program is justified.

W. F. Dietrich

W. F. Dietrich

dmea 2974

MF-103 RICHARD C. ANGEL FRANKLIN, N.C.

- MICA -
QUISENBERRY MINE
MACON COUNTY

6/10/53

SUPPLEMENT TO APPLICATION DATED 4/2/53

QUESTION NO. 6.

(a) None.

(b) Working Foreman, 100 days @ $12.00 per day	$1200.00	
1 Miner, 100 days @ $10.00 per day	1000.00	
2 Muckers, 100 days @ $8.00 - each	1600.00	
		$3,800.00
(c) 50 cases explosive @ $13.50	675.00	
1200 Delayed Exploders @ 25¢	300.00	
Carbide & Lights	25.00	
Hand Tools - picks, shovels, axe, hammers etc.	30.00	
60 pcs Swedish Steel with bit inserts	500.00	
1000 gals. gasoline	250.00	
100 gals. oil @ $1.00	100.00	
		1,880.00
(d) Rental, Compressor & Hammer, etc. 10 mos. @ $185.00	1850.00	
Tram Car	150.00	
400 feet tracking	175.00	
		2,175.00
(e) None.		
(f) Tool House erection (12' x 16')	250.00	250.00
TOTAL		$ 8,105.00

Above information supplied in accordance with letter received from Robert A. Laurence, Executive Officer, DMEA, Knoxville, Tennessee, in which answers to Question 6, (a) to (f), inclusive, were requested.

- - - - - -

Richard C. Angel

JUN 10 1953

IN REPLY REFER TO:

G-MD-GNM

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

April 13, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 14 1953

Memorandum

REVIEW OF APPLICATION DMEA-2974 (mica).

To: L. G. Houk, Defense Minerals Exploration Administration.
From: Basil G. Dean, U. S. Geological Survey.
Applicant: Richard C. Angel, Franklin, North Carolina.
Name of property: Quisenberry mine (Quizzenberry mine).
Location of property: 2.1 miles N. 40° E. of Franklin, Macon County, North Carolina.
Estimated cost of project: None given.
Summary of applicant's proposal:
(1) 100 foot adit.
(2) 100 foot drift.
Sources of information on applicant's property:
(1) Jahns, R. H., Unpublished professional paper on mica deposits of the Blue Ridge province, North Carolina and Georgia.
(2) Sterrett, D. B., 1923, Mica deposits of the United States: U. S. Geol. Survey Bull. 740, pp. 227-228.
Comments:
(1) According to Jahns, workings were caved and pegmatite body was not exposed. Material on dumps indicate the pegmatite is zoned and is poor in muscovite. The mica sheets are small and of poor quality.

(2) There is no record of any mica production from this mine.

RECOMMENDATION:

Field team examination.

Basil G. Dean

Basil G. Dean

dmea 2974

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

Room 13, Post Office Building
Knoxville 2, Tennessee

DEPARTMENT OF THE INTERIOR
Mail Division
RECEIVED
APR 8 1953

April 6, 1953

Mr. Richard C. Angel

Franklin, North Carolina

Re: Quisenberry Mine (Mica)

Dear Mr. Angel:

Your application for exploration assistance at the Quisenberry Mine, Mason County, North Carolina, has been received and forwarded to the Washington office, in accordance with established procedure.

Please note Article 6 of NF-103 a blank copy of which is enclosed. It is a requisite part of your application to include a detailed cost estimate for the required work. Kindly supply answers to Article 6 (a) to (f) inclusive, giving a detailed cost breakdown under each of the subheadings.

Your application will be processed further when the above information is received.

Very truly yours,

Robert A. Lawrence
Executive Officer, DMEA
Region VII

Enclosure

RAL/mg

cc
Beck
Lynch
Files
OperatingCommittee (3 copies)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
APR 8 1953

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 2974
Metal or Mineral
Date Received 4-8-53
Estimated Cost
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:

RICHARD C. ANGEL
FRANKLIN, N. C.

(*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 BEING part of the Quisenberry property, located in Macon County, N. C., held by Richard C. Angel under lease dated March 30, 1953 and recorded in the office of the Register of Deeds for Macon County, N. C., in Book C-6 at page 231.

(*b*) State any mine name by which the property is known. - QUISENBERRY 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. COPY OF LEASE & 6 COPIES OWNER'S CONSENT TO LIEN ATTACHED

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

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

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

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

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

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

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

5. *The exploration project.*—(*a*) [redacted]te the mineral or minerals for which you w[redacted]xplore STRATEGIC 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.

(*c*) The work will start within 5 days and be completed within 3 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated APRIL 2nd, 1953

Richard C. Angell
(Applicant)

By

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

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

3. Full legal description is contained in attached lease.

4. The mine was first opened in 1898 by two (2) pits or shafts, to a depth of 28 feet.
One of the largest blocks of mica found in Macon County was recovered (18" x 22"). Because only hand tools were available at that time, and mica prices were very low, not much work was done. During World War 11, one of the pits was cleaned out but operation did not start because the buying program at that time stopped.

The pegmatite consists of feldspar, flint and mica. Outcroppings show the vein to be over five feet wide on ridge and widens with depth. The mica is RUBY - hard and flat. Sheet samples on hand are 2" x 2".

Past and proposed workings are sketched on attached sheet.

Property is readily accessible; located 2 miles easterly on State Highway 23 and 800 feet southerly on the Old Rabbit Creek Road.

Manpower, supplies, etc., are available.

5. It is proposed to drop down the hill from past workings, about 80 feet and construct a tunnel 100' long into the pegmatite and then drift 50 feet from the end of same in either direction. The will open the area at about 52 feet below past workings - in the heart of the mica shoot.

Applicant has mined and operated in the pegmatites of this district for the past four years. He has an excellent knowledge of all procedures connected therewith. His Father, Zeb Angel, in one of the most experienced miners in Macon County, with more than 40 years experience in every phase of mica mining. Zeb Angel will act as Consultant; applicant as working supervisor.

6. After inspection, it is believed the Field Team will approve this application on a short form contract or footage price. The figures can be agreed upon between the team and the applicant.

- - -

ANNEX II

The mineral rights in the land referred to in Article 2 of the contract form were leased by J. P. Norton and his wife, Mary Norton, to the Operator by lease dated March 30, 1953, recorded in the Office of the Register of Deeds for Macon County, North Carolina, in Book C-6, Page 231. The land is described in the said lease as follows:

Copy

The above-described land surrounds the Quisenberry Mica Mine, which is the subject of this exploration project, and nowhere is the leased area less than 300 feet from the mine.

Attached hereto and made a part hereof is a map entitled "Richard C. Angel, Franklin, ~~Xxxxx~~ N. C., Quisenberry Mine, Macon County," delimiting the above property.

DMEA-4

Monthly Report of DMEA
Field Team

Region_____

Month_____

Exploration Applications

On hand first of month _____

Received from applicants _____

Received from Washington office _____

Transmitted to Washington office _____

On hand at end of month _____

Exploration Contracts

	No.	Total Amount Government	Total Amount Private
In force first of month			
Projects inspected			
Signed during month			
Terminated			
In force at end of month			

Man Days

	Mines Prof.	Mines Nonprof.	Survey Prof.	Survey Nonprof.
Applications				
Administration of contracts				
Other				
Totals				

Total Professional _____

Total Nonprofessional _____

Attach list of cases on hand at end of month, indicating status of each. Any other remarks considered appropriate may be made on an attached sheet.

Submit four copies to the Operating Committee by the 5th of the month.

Interior—Duplicating Section, Washington, D. C. 10425

NORTH CAROLINA
MACON COUNTY

THIS LEASE CONTRACT, made and entered into, this the 30th day of March, 1953, by and between J. P. NORTON and wife MARY NORTON, parties of the first part, and RICHARD C. ANGEL, party of the second part, all of the above County and State;

WITNESSETH :

That for and in consideration of One Dollar ($1.00), to them paid, the receipt of which is hereby acknowledged, and in further consideration of the agreements hereinafter contained, the parties of the first part have hereby bargained, leased and granted and by these presents do bargain lease and grant to the party of the second part, for a period of ONE YEAR, with the right and privilege of additional like terms, from the date hereof, upon the terms and conditions hereinafter specified, the right to mine mica & other minerals upon the following described property in Macon County, North Carolina, more particularly described as follows:

> Being a part of the Quisenberry property now owned by the parties of the first part, lying and being on the bank of Rabbit Creek, on the East Side of Highway US 28 & 441, as follows: BEGINNING at a Walnut tree on the bank and at a bend in said creek, approximately 150 feet from the Old Rabbit Creek Bridge, and runs with the meanders of said creek in a Southerly direction to a stake, at upper end of bottom, witnessed by poplar tree, from thence in a straight line back across a ridge, in a Northwesterly direction to the place of the BEGINNING, containing 2½ acres, more or less. This parcel of land consists of the old location of the Quisenberry Mine.

The parties of the second part shall have the right, for the aforesaid period of years, with the privilege of renewal as above set out, to enter upon the said lands, and dig and mine mica & other minerals and in connection therewith to exercise, in so far as necessary the mining rights and privileges upon said property.

The party of the second part shall pay to the parties of the first part a royalty of twelve and one-half (12½) per cent of the market price on all mica & other minerals mined thereon. All royalties shall be due and payable on or before the fifteenth day of each month on all mica & other minerals mined and sold during the preceeding month.

It is further understood and agreed by the parties hereto that the said parties of the first part shall be furnished a paper statement of the amount of minerals mined and removed from said property, and the party of the second part will at all times, upon reasonable request, permit the said parties of the first part, or their duly authorized agent, to inspect such books and records, relating to the sale of minerals mined and taken from said properties, as may be proper to determine the gross amount of royalties at or on any payment date.

It is understood and agreed that if the parties of the second part shall fail to pay the royalties, as herein provided, or shall otherwise fail or neglect to perform and carry out any of the terms of this lease, then and in such event all rights herein shall be forfeited and this lease shall be terminated.

It is further understood and agreed by the parties hereto that the failure of the parties of the second part to do any work for a period of ninety (90) days affords proper cause for the termination of this agreement by the parties of the first part.

So long as this lease remains in force the party of the second part shall, in connection therewith, have and enjoy the rights and privileges of mining mica + other Minerals on the premises together with the right to construct and place upon the premises buildings and machinery, and to remove the same.

IN TESTIMONY WHEREOF, the parties do hereto subscribe their respective names and affix their several seals, the day and year first above written.

J P Norton (SEAL)

Mary Norton (SEAL)
Parties of the first part

Richard G. Angel (SEAL)
Party of the second part

Need for cost data

April 8, 1953

Mr. Richard C. Angel
Franklin, North Carolina

Subject: DMEA-2974
Re: Exploration Assistance
Quisenberry Mine

My dear Mr. Angel:

The receipt of your application dated April 2, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2974 and referred to the Nonmetallic Minerals Division.

Kindly refer to DMEA-2974 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

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

April 8, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

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 VII.

DMEA-2974 Richard C. Angel

ROBERT E. ADAMS

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

38226

dmea 2974

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Room 13, Post Office Building
Knoxville 2, Tennessee

April 6, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 8 1953

Memorandum

To: Operating Committee, DMEA, Washington 25, D. C.

From: Executive Officer, DMEA, Region VII

Subject: Application from Richard C. Angel, Franklin, N. C.
Quisenberry Mine (Mica)

Enclosed are 3 copies of application on the subject property, with 6 copies of MF-203, signed by the land owners.

I have written to the applicant requesting additional data as indicated on the accompanying copies of my letter.

Robert A. Laurence

Robert A . Laurence
Executive Officer, DMEA
Region VII

Enclosures

dmea 2974

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

Room 13, Post Office Building
Knoxville 2, Tennessee

April 6, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
INCOMING
APR 8 1953

Mr. Richard C. Angel

Franklin, North Carolina

Re: Quisenberry Mine (Mica)

Dear Mr. Angel:

Your application for exploration assistance at the Quisenberry Mine, Macon County, North Carolina, has been received and forwarded to the Washington office, in accordance with established procedure.

Please note Article 6 of MF-103 a blank copy of which is enclosed. It is a requisite part of your application to include a detailed cost estimate for the required work. Kindly supply answers to Article 6 (a) to (f) inclusive, giving a detailed cost breakdown under each of the subheadings.

Your application will be processed further when the above information is received.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region VII

Enclosure

RAL/mg

cc
Beck
Lynch
Files
OperatingCommittee (3 copies)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 8 1953

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 2974
Metal or Mineral
Date Received 4-8-53
Estimated Cost
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:

RICHARD C. ANGEL
FRANKLIN, N. C.

(*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 BEING part of the Quisenberry property, located in Macon County, N. C., held by Richard C. Angel under lease dated March 30, 1953 and recorded in the office of the Register of Deeds for Macon County, N. C., in Book C-6 at page 231.

(*b*) State any mine name by which the property is known. - QUISENBERRY 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. COPY OF LEASE & 6 COPIES OWNER'S CONSENT TO LIEN ATTACHED

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

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

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

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

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

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

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

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

(*c*) The work will start within 5 days and be completed within 3 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated APRIL 2nd, 1953

Richard T. Angel
(Applicant)

By

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

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

3. Full legal description is contained in attached lease.

4. The mine was first opened in 1898 by two (2) pits or shafts, to a depth of 28 feet.
One of the largest blocks of mica found in Macon County was recovered (18" x 22"). Because only hand tools were available at that time, and mica prices were very low, not much work was done. During World War 11, one of the pits was cleaned out but operation did not start because the buying program at that time stopped.

The pegmatite consists of feldspar, flint and mica. Outcroppings show the vein to be over five feet wide on ridge and widens with depth. The mica is RUBY - hard and flat. Sheet samples on hand are 2" x 2".

Past and proposed workings are sketched on attached sheet.

Property is readily accessible; located 2 miles easterly on State Highway 23 and 800 feet southerly on the Old Rabbit Creek Road.

Manpower, supplies, etc., are available.

5. It is proposed to drop down the hill from past workings, about 80 feet and construct a tunnel 100' long into the pegmatite and then drift 50 feet from the end of same in either direction. The will open the area at about 52 feet below past workings - in the heart of the mica shoot.

Applicant has mined and operated in the pegmatites of this district for the past four years. He has an excellent knowledge of all procedures connected therewith. His Father, Zeb Angel, in one of the most experienced miners in Macon County, with more than 40 years experience in every phase of mica mining. Zeb Angel will act as Consultant; applicant as working supervisor.

6. After inspection, it is believed the Field Team will approve this application on a short form contract or footage price. The figures can be agreed upon between the team and the applicant.

- - -

NORTH CAROLINA
MACON COUNTY

THIS LEASE CONTRACT, made and entered into, this the 30th day of March, 1953, by and between J. P. NORTON and wife MARY NORTON, parties of the first part, and RICHARD C. ANGEL, party of the second part, all of the above County and State;

WITNESSETH :

That for and in consideration of One Dollar ($1.00), to them paid, the receipt of which is hereby acknowledged, and in further consideration of the agreements hereinafter contained, the parties of the first part have hereby bargained, leased and granted and by these presents do bargain lease and grant to the party of the second part, for a period of ONE YEAR, with the right and privilege of additional like terms, from the date hereof, upon the terms and conditions hereinafter specified, the right to mine mica + other minerals upon the following described property in Macon County, North Carolina, more particularly described as follows:

> Being a part of the Quisenberry property now owned by the parties of the first part, lying and being on the bank of Rabbit Creek, on the East Side of Highway NO 28, + 64 as follows: BEGINNING at a Walnut tree on the bank and at a bend in said creek, approximately 150 feet from the Old Rabbit Creek Bridge, and runs with the meanders of said creek in a Southerly direction to a stake, at upper end of bottom, witnessed by poplar tree, from thence in a straight line back across a ridge, in a Northwesterly direction to the place of the BEGINNING, containing 2½ acres, more or less. This parcel of land consists of the old location of the Quisenberry Mine.

The parties of the second part shall have the right, for the aforesaid period of years, with the privilege of renewal as above set out, to enter upon the said lands, and dig and mine mica + other minerals and in connection therewith to exercise, in so far as necessary the mining rights and privileges upon said property.

The party of the second part shall pay to the parties of the first part a royalty of twelve and one-half (12½) per cent of the market price on all mica + other minerals mined thereon. All royalties shall be due and payable on or before the fifteenth day of each month upon all mica + other minerals mined and sold during the proceeding month.

It is further understood and agreed by the parties hereto that the said parties of the first part shall be furnished a paper statement of the amount of minerals mined and removed from said property, and the party of the second part will at all times, upon reasonable request, permit the said parties of the first part, or their duly authorised agent, to inspect such books and records, relating to the sale of minerals mined and taken from said properties, as may be proper to determine the gross amount of royalties at or on any payment date.

It is understood and agreed that if the parties of the second part shall fail to pay the royalties, as herein provided, or shall otherwise fail or neglect to perform and carry out any of the terms of this lease, then and in such event all rights herein shall be forfeited and this lease shall be terminated.

It is further understood and agreed by the parties hereto that the failure of the parties of the second part to do any work for a period of ninety (90) days affords proper cause for the termination of this agreement by the parties of the first part.

So long as this lease remains in force the party of the second part shall, in connedtion therewith, have and enjoy the rights and privileges of mining mica + other minerals on the premises together with the right to construct and place upon the premises buildings and machinery, and to remove the same.

IN TESTIMONY WHEREOF, the parties do hereto subscribe their respective names and affix their several seals, the day and year first above written.

J P Norton (SEAL)

Mary Norton (SEAL)
Parties of the first part

Richard C. Angell (SEAL)
Party of the second part

DMCA-2974

dmca 2974

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

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(PMGC)

KNOXVILLE, TENN.
AP 6 5PM
1953

Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.