☒ Audited

☐ Certified

Name Richard C. Angel

State North Carolina

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12-8-54

Incl. Voucher for November 1953

Commodity Mica

☐ Actual Cost

☒ Agreed Unit Costs

Docket No. 2974

Idm-E No. 554

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	75 ft	$2625 00	75	$2625 00	$2625 00
Raising					
Shafts	40	$1600 00	40	$1600 00	$1600 00
Winzes					
Drilling (Specify)					
Surface Excavation		$150 00			$150 00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation		$700 00			$700 00
New Building, Improvements, etc.		$225 00			$225 00
Other (Specify)					
Totals		$5300 00			$5148 00

Prepared by Keating

71626

DMEA-2974
Mica
Region VII

RICHARD C. ANGEL, FRANKLIN, NORTH CAROLINA. Quisenberry Mine, Macon County, North Carolina. 6-19-53

Letter to the Field forwarding a contract, signed by the Administrator, for execution, subject to completing Article 3 of the contract. Also forwarded to the Field were copies of memoranda from the Bureau of Mines and the Geological Survey. Approved for referral.

DMEA-2974
Mica
5-6-53
Region VII

RICHARD C. ANGEL, FRANKLIN, NORTH CAROLINA. Quisenberry Mine, Macon County, North Carolina.

Letter to the Field requesting an examination and report, and enclosing copies of memoranda from the Bureau of Mines and the Geological Survey. Letter to the applicant.

DMEA-2974
Mica
Region VII

RICHARD C. ANGEL, FRANKLIN, NORTH CAROLINA. Quisenberry Mine, Macon County, North Carolina. 5-22-53

No. 819

Field Report recommending approval. The report was referred to the [illegible].

Mr. Anderson

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Richard C. Angel
Franklin, North Carolina

pertaining to Exploration Project Contract No. Idm-E554, Docket No. DMEA-2974, for the months of July, 1953 to November, 1953, inclusive, covering a project for the exploration of mica on property known as the Quisenberry Mine, located in Macon County, North Carolina.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, verification of the work performed by reference to reports of the Government representatives who visited and examined the project, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

> the contract provides for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor		$5,148.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Heredith	-0-	-0-
Total Accepted Cost		$5,148.00

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Four thousand six hundred thirty-three and 20/100 Dollars

$4,633.20

is considered valid and proper.

E. D. Talbert, Auditor

Jan. 20, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL - 3 1953

MF-200 (A)
(February 1952)

DOCKET NO. DMEA-[illegible]

COMMODITY Mica

Division Copy

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

IDM-E 554

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 North Carolina, County of Macon, described as ~~follows~~[3] the mineral rights in 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: [illegible] and the Owner's Consent to Lien is attached.

(*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 80 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 80 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. Mitteudorf
Administrator, Defense
Minerals Exploration
Administration

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

Division 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:

DEPARTMENT OF THE INTERIOR
Land Management
RECEIVED
JUL 3 1980

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.

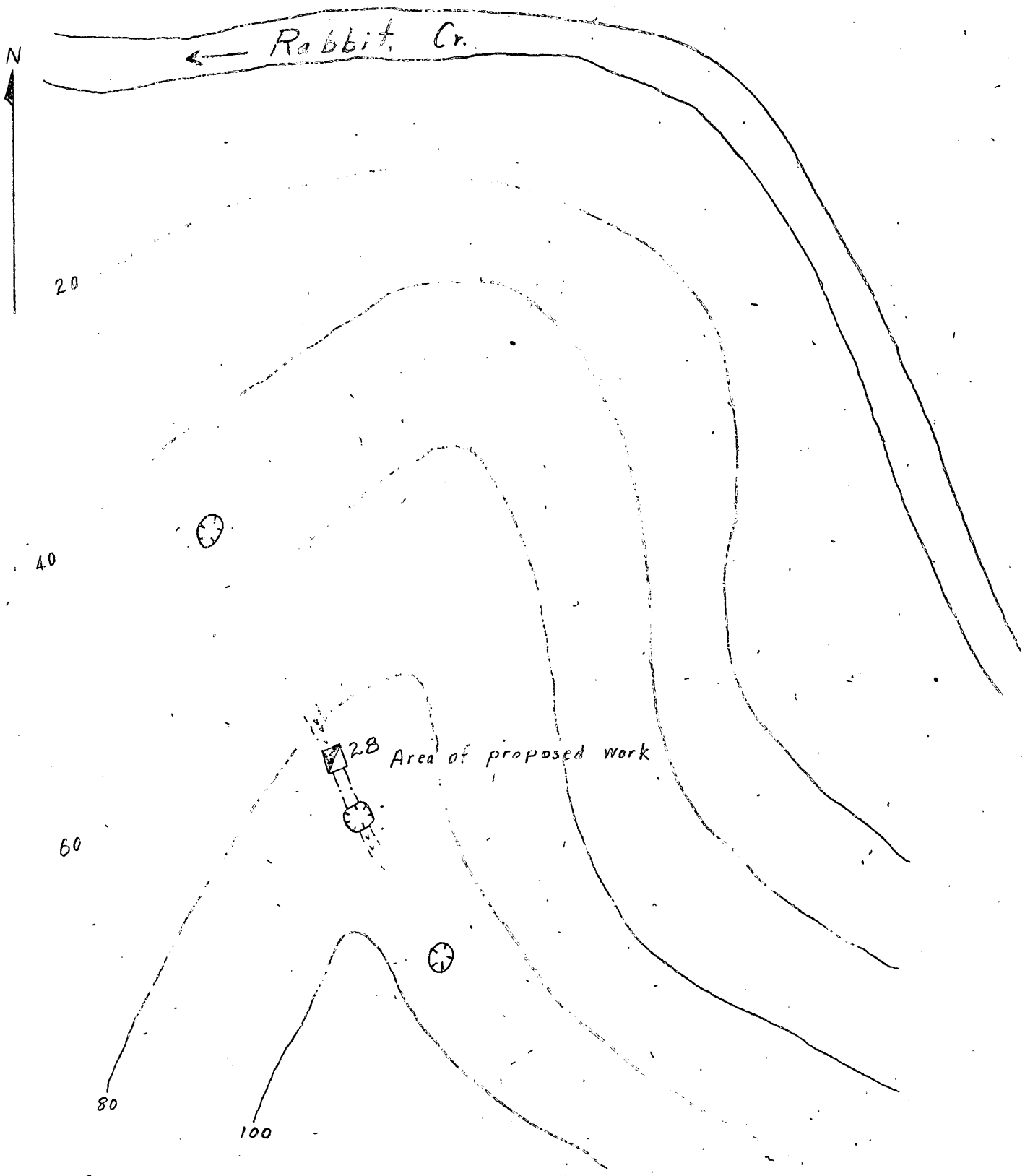
The location, direction, and extent of all work shall have prior approval of the Government.

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'

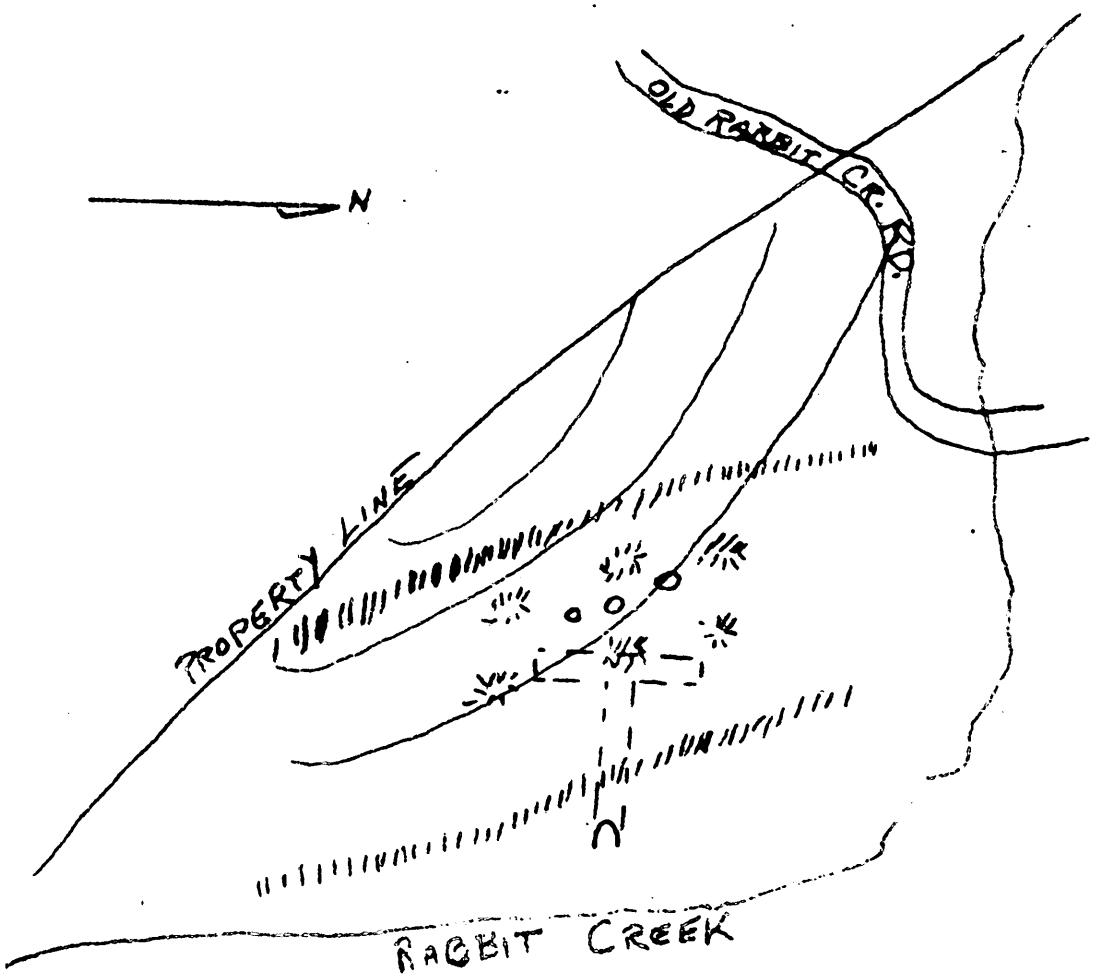
Scale

DMEA-2944 (mica)

dmea 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 Land Management
RECEIVED
JUL 3 1958

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 _____, County of _____, described as follows:1/

_____

_____

_____

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/_____

_____

_____

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 _____ day of _____, 195_.

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.

600

SEP 17 1954

Mr. Richard C. Angel

Franklin, North Carolina

Re: Docket No. DMA-2974 - Mica
Quisenberry Mine
Macon County, North Carolina
Contract No. DMA-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	$5,142.00
Total Government contribution at 90 percent	$4,633.[illegible]

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

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. 600

Mr. Richard C. Angel

Franklin, North Carolina

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

Dear Mr. Angel:

We are pleased to advise you that your performance of exploration work under the subject contract has been satisfactory to the Government, and the account relating thereto has been closed. The final audited and settled account shows:

Total claimed for units of work performed	$5,148.00
Total Government contribution at 90 percent	$4,633.20

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 any production therefrom except with respect to any production between the date of the contract and the end of the period within which the Government might make such certification.

The Government is grateful for your participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

Administrator

Copy to: Mr. J. P. Norton
Mrs. Mary Norton

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 5 1954

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.

Signed

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

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. Engel.
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° W. of Franklin, Macon County, North Carolina.
Date of field team report: January 7, 1954.
Authorship of field team report: K. H. Teague, L. A. Shirley, H. 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

Larrabee:jeh
1/20/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230

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

COPY

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.

/s/ Robert A. Laurence

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

Declassified by
DMEA CLASSIFICATION 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 was 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.

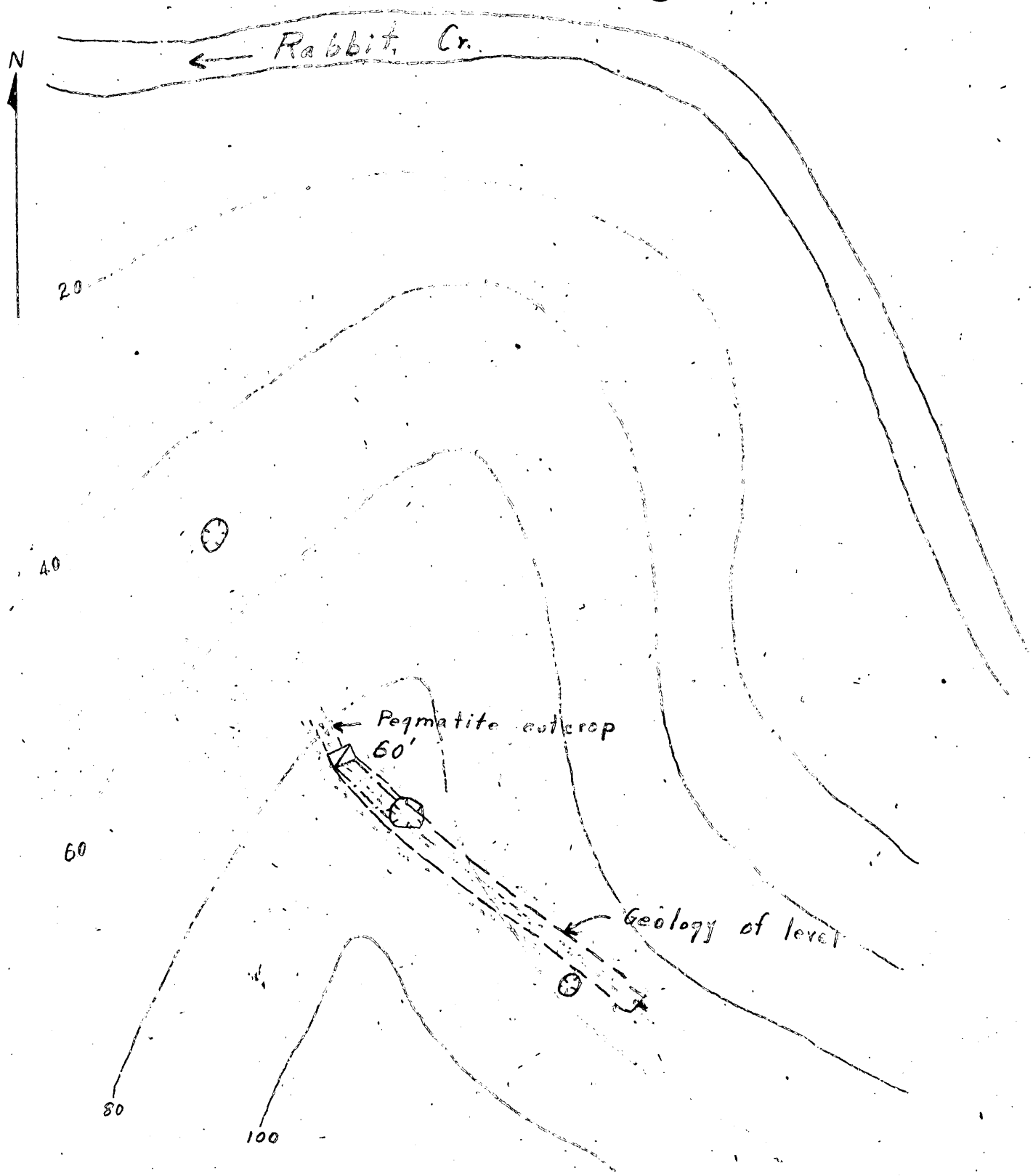
M. H. Teague, Geologist, USGS

L. E. Shirley, Mining Engineer, USBM

January 7, 1954

D. H. Ambs, Geologist, USGS

mm



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

0 40' 80'
Scale

DMEA-2744 (mica)

Original to Dorothy

IN REPLY REFER TO:

DMEA-2974

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

INTERIM REPORT

DMEA-2074 Idm-2554 (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, Mining Engineer
U. S. Bureau of Mines

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

November 30, 1953

Form MF-104 (Rev.) (April 1952)

Mr. Anderson

600

Budget Bureau No. 42-R1036.3. Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ON VOUCHER & SCHEDULE 147
PAYMENTS K-34

OPERATOR'S MONTHLY REPORT AND VOUCHER

November 3 2974 IDM-E 554

Month of November 1953 Docket No. DMEA Contract No. MICA

Operator's Name Richard C. Angel Minerals

Address Franklin, North Carolina 5300. 90 4770.

Contract Amount, $ Government Participation: % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Short Haul Recond. Shaft.		700.00	700.00			
Shaft Preparation		150.00	150.00			
Bottom Shafting	126.00	1218.00	1344.00			
Crosscutting	1355.00	770.00	2625.00			
Drifting Timbering		104.00	104.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment: Detonator Magazine		25.00	25.00			
Rental powder magazine		50.00	50.00			
Purchase tool house		150.00	150.00			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1981.00	3167.00	5148.00	1,981.00	3,167.00	5,148.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date December 1, 53 *Payee Richard C. Angel

Per Rich Angel Title Operator

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1,782.90

Signature Cora A. Piper (Authorized Certifying Officer)

Date DEC 9 1953 Vou. No. 147

(See other side)

5

198.10

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-1554 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. Date Dec. 4, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. E. Beck ACTING Title EXECUTIVE OFFICER DMEA REGION VII Date DEC 7 1953

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1953 Docket No. DMEA 2974 Contract No. IDM-E 554

Operator's Name Richard C. Angel Minerals Mica

Address Franklin, North Carolina

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
XXXXRecond Shaft	ft			700.00	28	25.00	28	25.00
Drifting	ft	1855.00	53	2625.00	75	35.00	75	35.00
Crosscutting	ft			104.00	13	8.00	32	8.00
XXXXX Timbering	ft	126.00	5	1344.00	32	42.00	32	42.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1981.00		4773.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				150.00				150.00
Initial Rehabilitation and Repairs		preparing shaft		225.00				225.00
New Buildings, Improvements, etc.								
TOTAL COSTS				5148.00				375.00

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

Date Dec. 1, 1953 Operator Richard C. Angel

Per [signature] Title operator

NOTE.—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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

IDM-E 554

OPERATOR'S

MONTHLY PROGRESS REPORT

for the

MONTH OF NOVEMBER, 1953

November:

2. Drilled and shot
3. Mucked out; vein about 12" wide, no mica, some biotite mica
4. Drilled and shot
5. Mucked out; still some vein material
6. Drilled and shot
9. Mucked out
10. Drilled and shot
11. Mucked out; very little vein material
12. Drilled and shot
13. Mucked out; Mr Teague and Shirley visited mine
16. Drilled and shot
17. Mucked out; vein about 18" wide of material
18. Drilled and shot
19. Mucked out
20. Drilled and shot
23. Mucked out; rock more broken up, lots of mud seams
24. Drilled and shot
25. Mucked out
26. Drilled and shot
27. Mucked out; what little pegmatite left turned up toward surface away from tunnel.
30. Drilled and shot, and completed drift to the 78 ft. length authorized.

December 1st: Mrs. Teague and Mr. Shirley visited mine. They advised that further operations would not be worthwhile in their opinion, and I am of the same opinion.

Richard C. Angel

per: R C Angel
Operator

Mr. Sanderson

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 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, Mining Engineer
U. S. Bureau of Mines

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

November 13, 1953

mrdl

Form MF-104 (Rev.) (April 1952) Mrs. Cox Lawson

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPORTATION ADMINISTRATION

ATTACHED ON VOUCHER & SCHEDULE OF PAYMENTS K-27

123

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1953 Docket No. DMEA 2974 Contract No. IDM-E 554
Operator's Name Richard C. Angel Minerals MICA
Address Franklin, North Carolina
Contract Amount, $ 5300 Government Participation: 90 % Amount, $ 4770

DEPARTMENT OF THE INTERIOR Defense Minerals Administration RECEIVED NOV 12 1953

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drifting~~ Record Shaft		700.00	700.00			
~~Shafting~~ preparation		150.00	150.00			
~~Timbering~~ Shafting	168.00	1050.00	1218.00			
Drifting	770.00	-	770.00			
Timbering	-	104.00	104.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
~~Detonator~~ detonator mag.		25.00	25.00			
~~Powder~~ powder magazine		50.00	50.00			
~~Tool~~ tool house		150.00	150.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	938.00	2229.00	3167.00	938.00	2,229.00	3,167.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Nov. 1, '53 *Payee Richard C. Angel

Per Richard Angel Title Operator

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 844.20

Signature Cora A. Pipes (Authorized Certifying Officer)

Date NOV 9 1953 Vou. No. 123

(See other side)

MDS 4 93.60

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. DMEA 554 in accordance with the terms of the contract.

Signature Lawrence E. Shurley Title Mining Engr. U.S.B.M. Date Nov. 3, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Beck ACTING Title EXECUTIVE OFFICER DMEA REGION VII Date NOV 5 1953

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word; such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1953

Month of October 1953 Docket No. DMEA 2974 Contract No. IDM-R 554
Operator's Name Richard C. Angel Minerals Mica
Address Franklin, North Carolina

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft	770.00	22	770.00	22	35.00	75	35.00
~~Cross Cut~~ Second Shf	ft			700.00	28	25.00	28	25.00
Raising Timbering	ft			104.00	13	8.00	32	8.00
Shafts	ft	168.00	4	1218.00	29	42.00	32	42.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		938.00		2792.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs	preparing		shaft	150.00				150.00
New Buildings, Improvements, etc.				225.00				225.00
TOTAL COSTS		938.00		3167.00				375.00

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

Date Nov. 1, '53 ~~xxxxxx~~ Richard C. Angel

Per Jt Angel Title operator

→ NOTE.—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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

IDM-E 554

OPERATOR'S

MONTHLY PROGRESS REPORT

for the

MONTH OF OCTOBER, 1953

NOV 1 1953

October:

1. drilled and shot
2. mucked out
5. new work
6. no work
7. now work
8. Mr. Teague and Shirley visited mine
11. drilled and shot
12. hoist broke down
13. drilled, shot and mucked out - shaft now 57 ft.
14. drilled, shots for drift.
15. mucked out
16. drilled and shot
19. broke boom pole, put in new boom pole
20. mucked out; Mr. Teague and Shirley visited mine
21. drilled and shot
22. mucked out
23. drilled and shot
26. mucked out
27. drilled and shot
28. mucked out
29. drilled and shot; Mr. Teague visited mine
30. drilled and shot
31. mucked out; drift now 22 ft. long, vein coming in on lower side; water seepage coming down side of vein. Ran 5 ft. test hole on lower side; very slimk walling.

RICHARD C. ANGE.

per: Richard C. Ange, Operator

RECEIVED
NOV 5 1953
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

Mr. Anderson

60

DEPARTMENT OF
Defense Materials
NOV 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.

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, Mining Engineer
U. S. Bureau of Mines

November 2, 1953

INTERIM REPORT

MRA-2974 Idm-5554 (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, Mining Engineer
U. S. Bureau of Mines

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

October 21, 1953

[illegible]

[illegible] REPORT

[illegible]-2974 Idn-2554 (mica) [illegible]

[illegible]: Richard J. 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 timbering of last 15 feet of shaft and repair of timbers, installation of landings in the shaft, and general safety recommendations.

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

L. L. Teague, Geologist
U. S. Geological Survey

October 8, 1953

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval Expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

DM-D 554

Month of September, 1953 Docket No. DMEA 2974 Contract No. Mica
Operator's Name Richard C. Angel Minerals
Address Franklin, North Carolina 4770.
Contract Amount, $ 5300 Government Participation: 90 % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drifting Record. shaft		700.00	700.00			
Bulkhead preparation		150.00	150.00			
Crosscutting shafting	462.00	588.00	1050.00			
Drifting						
Timbering	104.00	- -	104.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation detonator mag.		25.00	25.00			
(5) Initial Rehabilitation and Repairs powder magazine		50.00	50.00			
(6) New Bldgs., Improvements, etc. tool house		150.00	150.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	566.00	1663.00	2229.00	566.00	1,663.00	2,229.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-19

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Oct. 1, '53 yee Richard C. Angel

Per [signature] Title ~~Operator~~ Agent

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 509.40

Signature Cora A. Piper
(Authorized Certifying Officer)

Date OCT 6 1953 Vou. No. 93
(See other side)

3

56.60

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E554 in accordance with the terms of the contract.

Signature Lawrence C. Shirley Title Mining Engr. U.S.B.M. Date Oct. 2, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date OCT 5 1953

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 3 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1953 Docket No. DMEA 2974 Contract No. IDM-E 554
Operator's Name Richard C. Angel Minerals Misc.
Address Franklin, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Recond. shaft Drifting	ft			700.00	28	25.00	28	25.00
Crosscutting shafting	ft	462.00	11	1050.00	25	42.00	32	42.00
Raising Timbering	ft	104.00	13	104.00	13	7.00	32	8.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		566.00		1854.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs preparing shaft				150.00				150.00
New Buildings, Improvements, etc.				225.00				225.00
Total Costs		566.00		2229.00				375.00

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

Date Oct 1, 1953 Operator Richard C. Angel

Per [signature] Title Agent

Remarks:

NOTE.—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.

(Instructions on reverse)

(For Government use only)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 5 1953

OPERATORS
MONTHLY PROGRESS REPORT
FOR THE
MONTH OF SEPTEMBER , 1953

September:

1. working on hoist
2. working on hoist
3. drilling, shooting and mucking
4. drilling, shooting and mucking- vein about 8"wide
7. drilling, shooting and mucking, Mr. Teague visits mine
8. started drilling - jackhammer broke down
   went to Knoxville for repairs
9. returned from Knoxville
10. drilling, shooting and mucking
11. drilling, shooting and mucking
14. drilling, shooting and mucking - compressor broke down-
    burned out bearing
24. timbered, up mine
25. timbered up mine and repaired compressor
28. drilled and shot, mucked
29. drilled shot, and mucked
30. drilled, shot, and mucked- now down to a depth of 53 feet.
    Vein about 7" wide.

RICHARD C. ANGEL ,Operator

per: Richard Angel

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
OCT 1 1955

Interim Report

MRA-2974 MRN-2854 (mica)

Operator: Richard L. Vogel, Franklin, North Carolina

Location: On the south side of Rabbit Creek and east of U. S. Highway No. 23 and is 3.1 airline miles N 40° W 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 apatite and biotite mica.

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

J. L. Teague, Geologist
U. S. Geological Survey

September 21, 1955

Form MF-104 (Rev.)
April 1952)

Mr Anderson

Budget Bureau No. 42-R3036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of _____, 195__ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____
Contract Amount, $_____ Government Participation: ____% Amount, $_____

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form } Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS				588.00	1075.00	1663.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-14

I certify that the above bill is correct and just and that payment therefor has not been received.

Date _____ *Payee Richard C. Vaugel

Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$_____

Signature Cora A. Piper
(Authorized Certifying Officer)

Date SEP 11 1953 Vou. No. 67

(See other side)

2

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm. E554 in accordance with the terms of the contract.

Signature Laurence E. Shirley Title Mining Engr. U.S.B.M. Date Sept. 4, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Laurence Title ..... Date SEP 9 1953

MONTHLY REPORT OF OPERATOR

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Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of ..... 195..... Docket No. DMEA ..... Contract No. .....
Operator's Name ..... Minerals .....
Address .....

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date ..... Operator .....

Per ..... Title .....

NOTE.—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.

REMARKS: .....

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Monthly Report No. 142
for the
Month of August, 1953

Report No. 2974

Mine No. 554

Work Accomplished

5' X 7' shaft deepened to 42 ft. level.

Daily Notes:

August 3. Mucked & put in 3 rounds of timber.

August 4. Drilled 6 three ft. holes & blasted. Canal timbers.

August 5. Mucked & put in 3 rounds of timber.

August 6. Drilled 3 three ft. holes & blasted. Timbers loosened by blast. Remainder of day spent replacing & tightening timbers.

August 7. Drilled 7 three ft. holes, blasted & mucked. Shaft now 31 ft. deep & timbered 28 ft.

August 10. Drilled 8 three ft. holes. Blasted & mucked. Talked with visiting field team.

August 11. Finished mucking out shaft. Drilled 6 three ft. holes and blasted.

August 12. Mucked & drilled 4 three ft. holes & blasted.

August 13. Did not work.

August 14. Did not work.

August 17. Mucked. Drilled 8 four ft. holes & blasted.

August 18. Timbers knocked out & loosened by blast. Tightened & replaced timbers.

August 19. Drilled 9 four ft. holes & blasted.

August 20. Mucked. Drilled 9 four ft. holes, blasted & mucked.

August 21 Drilled 4 three ft. holes & blasted. Repaired air hammer.

August 24. Drilled 9 three ft. holes, blasted & mucked. Talked with visiting field team.

August 25. Finished cleaning out shaft. Drilled 7 three ft. holes & shooted.

August 26. Sunday. Worked on air compressor. Drilled 9 four ft. holes.

August 27. Shooted & mucked.

August 28. Drilled 4 three ft. holes & blasted. Remainder of day spent trying to recover weight steel.

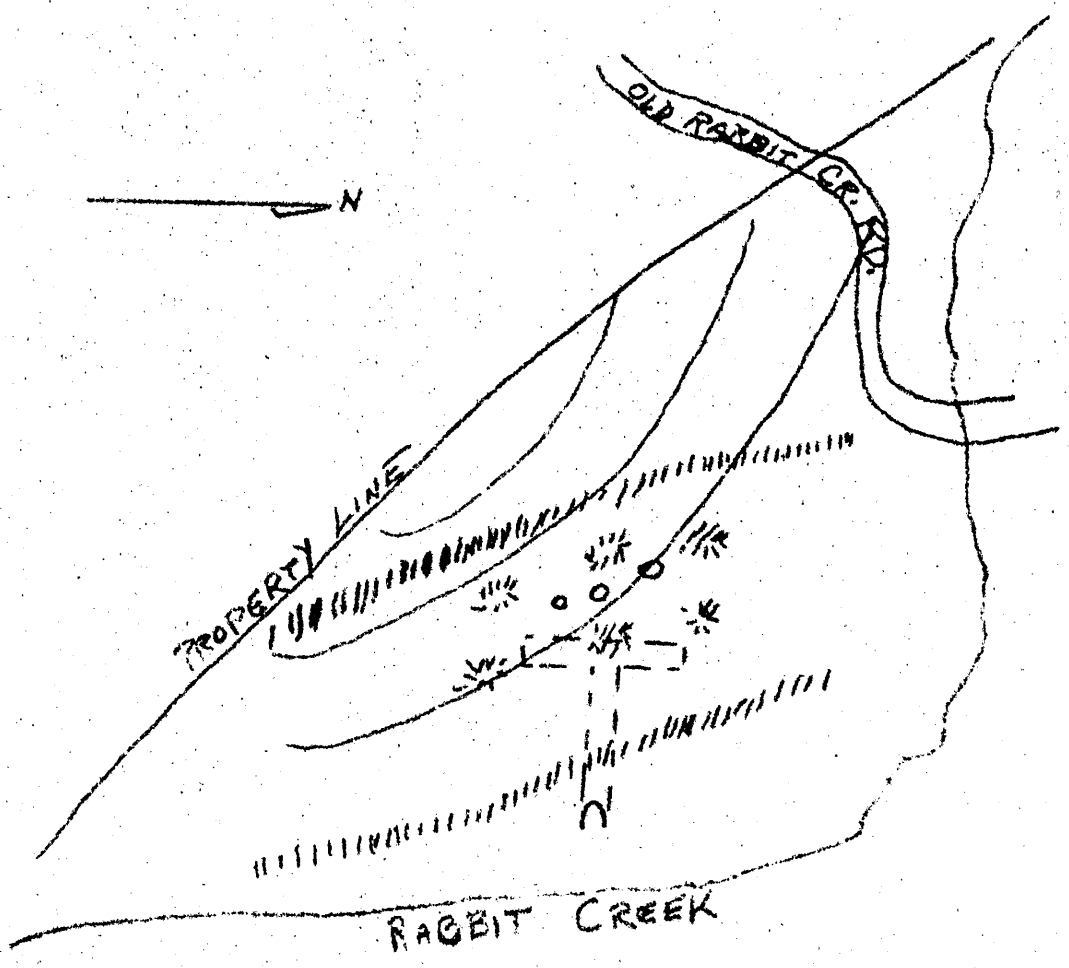
August 31. Drilled 4 three ft. holes & blasted. Repaired hoist. Shaft now 42 ft. deep. Granite rock & garnet.

Richard G. Angell

dmea

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)

INTERIM REPORT

MSHA-2074 Idm-2354 (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° W 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 raiseway as soon as practicable.

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

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

August 24, 1953

[illegible]

[illegible]

[illegible]-2974 Idm-2554 (mica) [illegible]

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° W of Franklin, Macon County, North Carolina

The enlargement and timbering of this shaft has been completed to 25 feet. Shaft sinking has begun and has advanced 3.5 feet, making the present depth at 31.5 feet. The pegmatite body is remaining 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 23.5 feet, partition and ladders installed, but no landing work has been accomplished to date. Progress on this contract has been satisfactory.

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

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

August 10, 1953

Form MP-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-[illegible]

PAID ON VOUCHER & SCHEDULE
PAYMENTS K-8
RECEIVED 600
AUG 13 1953

33

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1953 Docket No. DMEA - 2974 Contract No. IDM-E554
Operator's Name Richard C. Angel Minerals Mica
Address Franklin, North Carolina
Contract Amount, $ $5,300.00 Government Participation: 90 % Amount, $ 4,770.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Reconditioning Shaft	$700.00		$700.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) ~~New Bldgs., Improvements, etc.~~ Tool house	$150.00		$150.00			
(7) Miscellaneous:						
~~Repairs to Equipment~~ Co. magazine	$ 25.00		$ 25.00			
~~Sampling and Analysis~~ Powder magazine	$ 50.00		$ 50.00			
Payroll Taxes						
Liability Insurance						
Prep. Shaft site	$150.00		$150.00			
(8) Contingencies (specify):						
TOTALS	$1075.00		$1075.00	1,075.00		1,075.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date July, 31, 1953 Payee Richard C. Angel

Per _____ Title Operator

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 967.50

Signature Cora A. Piper
(Authorized Certifying Officer)

Date AUG 13 1953 Vou. No. 33

(See other side)

1st S 7/6/53 107.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E554 in accordance with the terms of the contract.

Signature Lawrence E. Shurley Title Mining Engr. U.S.B.M. Date Aug. 3, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date AUG 5 1953

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 10 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA -2974 Contract No. IDM-E554
Operator's Name Richard C. Angel Minerals Mica
Address Franklin, North Carolina

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Reconditioning Shaft	ft.	$700.00	28	$700.00	28	$25.00	28	$25.00
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Shaft Prep.	1	$150.00		$150.00	1			$150.00
Drilling: Core								
Churn								
Auger								
-661 house	1	$150.00		$150.00	1			$150.00
Stripping								
Cap magazine	1	$ 25.00		$ 25.00	1			$ 25.00
Trenching								
Powder "	1	$ 50.00		$50.00	1			$ 50.00
Test Pits								
Roads and Trails								
Total Distributed Costs		$1075.00		$1075.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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

Date July 31, 1953 Operator Richard C. Angel

Per _____ Title Operator

Remarks:

NOTE.—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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 10 1953

OPERATORS MONTHLY REPORT
for the
Month of July, 1953

DMEA No. 2974

Idm-E E 554

Work Accomplished

Existing shaft enlarged to five ft. by seven ft.

Daily Notes

July 6. Started project. Hired one man at $1.00 per hour. Cut bushes and trees from around mouth of old shaft and set up mast pole for hoist.

July 7. Bought lumber. Moved hoist and air compressor to mine. Started on powder and detonator magazines. Had shaft site graded off.

July 8. Finished powder and detonator magazines and started on tool shed.

July 9. Worked on tool shed. Leveled air compressor and hoist.

July 10. Finished tool shed. Rigged boom pole for hoist.

July 13. Set up scaffolding for drilling. Drilled 9 five foot holes and blasted. Hard rock.

July 14. Scaled rock sown. Drilled 4 three ft. holes and blasted. Hauled 2 inch timbers to mine.

July 15. Rained, no work.

July 16. Rained, no work.

July 17. Started timbers at 11 ft. level and timbered to top of shaft. Mucked out.

July 20. Drilled 9 three ft. holes, blasted and mucked.

July 21. Drilled 12 three ft. holes, blasted and mucked. Hard rock.

July 22. Rained, no work.

July 23. Drilled 6 three ft. holes, blasted and mucked.

July 24. Drilled 12 three ft. holes, blasted and mucked.

July 27. Drilled 3 five ft. holes and blasted. Put in partition. Shaft now 21 ft. deep. Timbered solid 15 ft. Walked with visiting field team.

July 28. Timbered shaft to 20 ft. level. Hauled 2 inch timbers to mine.

July 29. Mucked and put in 2 rounds of timbers.

July 30. Mucked and put in 2 rounds of timbers. Drilled 6 three ft. holes and blasted.

July 31. Mucked. Shaft now 28 ft. deep. Timbers 23 ft. with partition installed.

INTERIM REPORT

MRA-2974 Idm-2554 (mica) [illegible] BERRY 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° [illegible] 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 8" and smaller pieces were seen that were badly bent, containing a greenish stain.

Progress on this contract is satisfactory.

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

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

July 27, 1953

INTERIM REPORT

DMSA-2976 Idm-5584 (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.

The starting date on this project is July 8, 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, Mining Engineer
U. S. Bureau of Mines

E. M. Teague, Geologist
U. S. Geological Survey

July 15, 1953

600

1953

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,

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

140

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.

J. L. Hofflund
Chief Counsel

Attachments

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.

Signed

W. F. Dietrich

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

Copy to: DMEA (3)

No Death

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

COPY

May 15, 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Field Team, D M E A - Region 7

Subject: Field Examinations. (mica)

Transmitted herewith are three copies each of the field examination reports, and six extra copies each of the maps on the following:

DMEA-2944, Campbell Mine

DMEA-2961, Beasley No. 2 Mine

DMEA-2974, Quisenberry Mine

The Field team is in agreement with the recommendations set forth in the reports.

/s/ Robert A. Laurence
Executive Officer, DMEA, Reg. 7

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

Reviewed by
DMEA OPERATING COMMITTEE
5-22-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2971-QUINNEBERRY 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

Reviewed by
DMEA OPERATING COMMITTEE
5-22-53
(date)

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

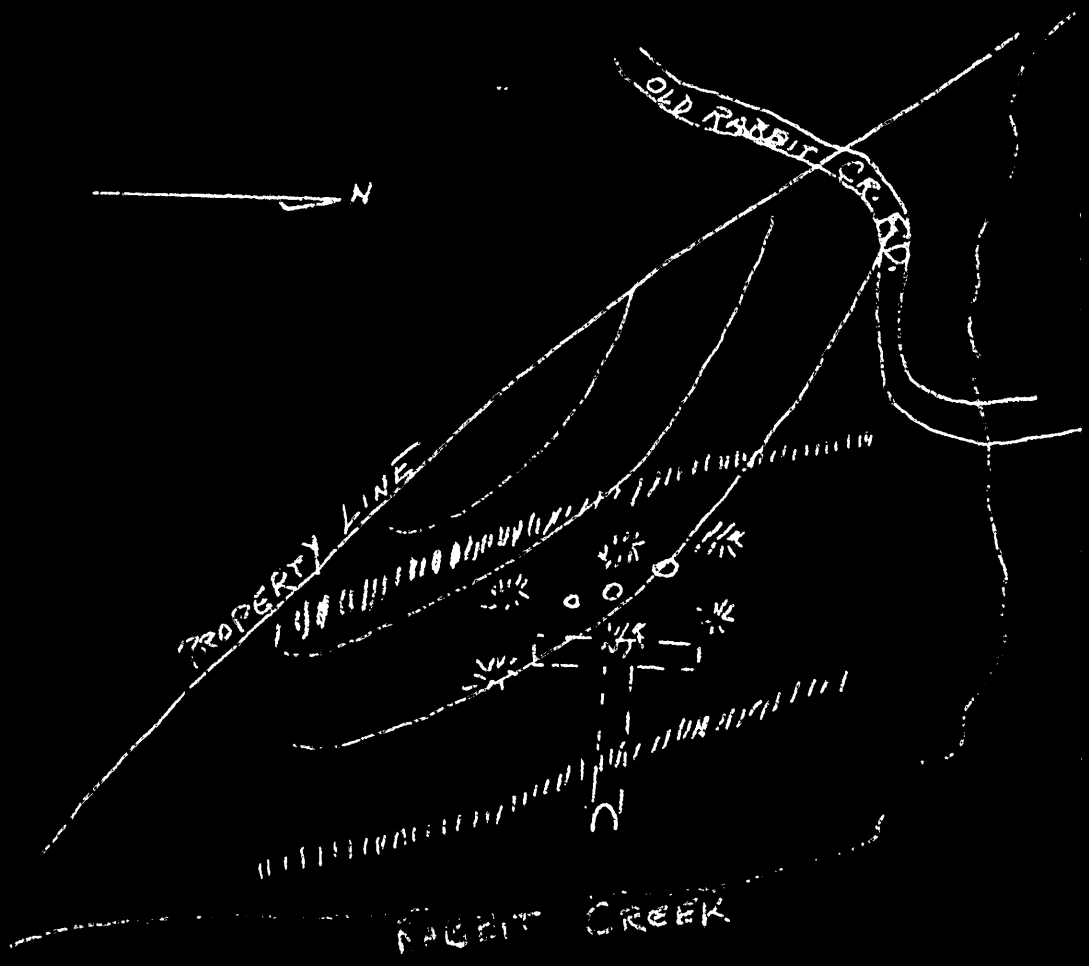
Kefton H. Teague, Geologist
U. S. G. S.

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

dmea 9177

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

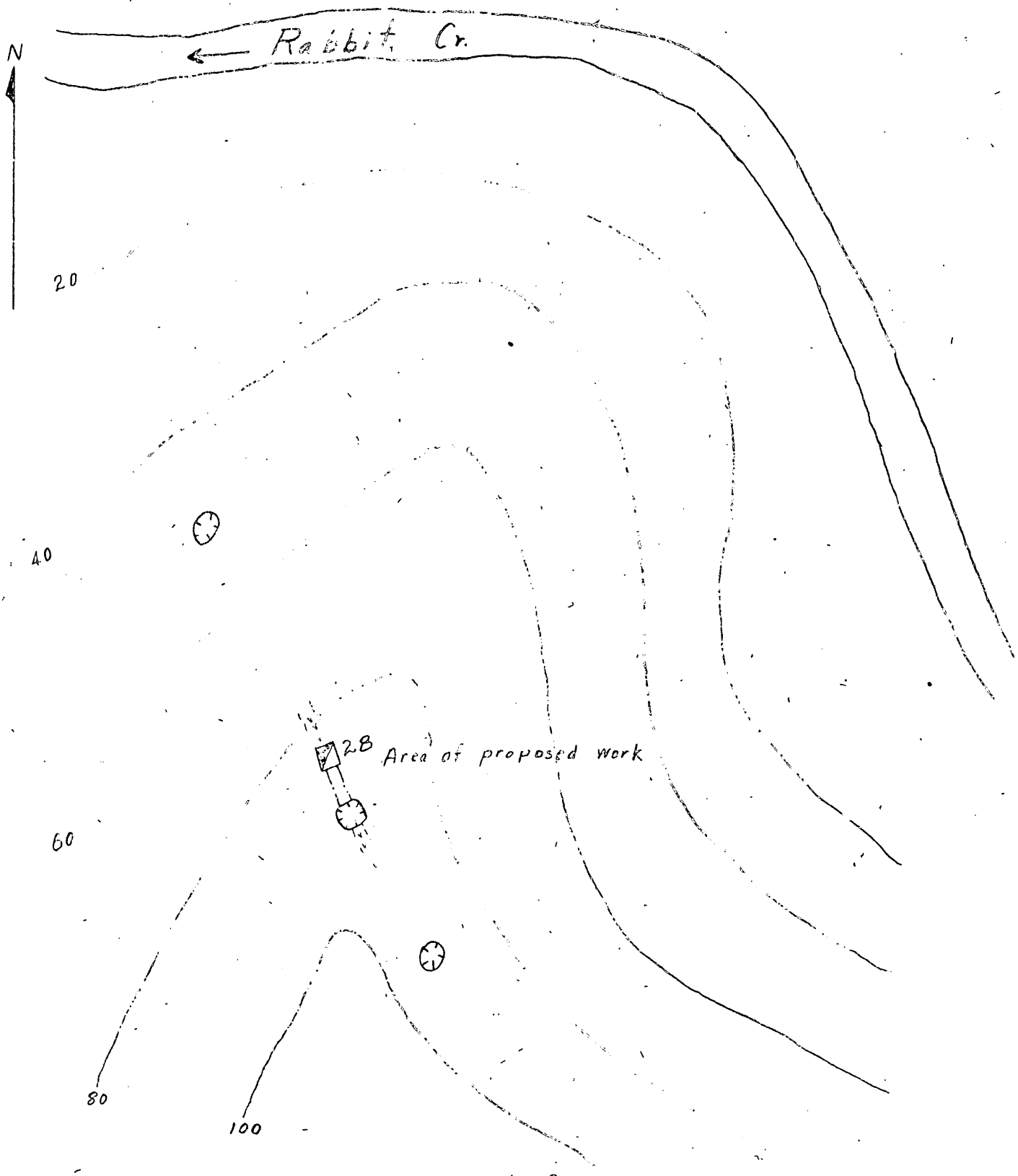
- MICA -
QUISENBERRY MINE
MACON COUNTY



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

///// PEGMATITE & OUTCROPPINGS

O O PAST WORKINGS (PITS)



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

0 40' 80'
Scale

DMEA-2974 (mica)

MAY 7 1953

Mr. Richard [illegible] Angel

Franklin, North Carolina

[illegible] Docket No. [illegible]74 - Rice
Gilmerry 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 R. Lawrence, Executive Officer, [illegible] Field Team, Region VII, Room 2[illegible], 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

Administrator

LGHook: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. Hook
Operating Committee

600

MAY 7 1953

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

Subject: Docket No. DMA-2974 - Mica
Richard G. 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 G. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

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 100 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

IN REPLY REFER TO:

0-MC-CPM

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

April 13, 1953

Memorandum

[illegible] DMEA-2974 (mica).

To: L. G. Monk, Defense Minerals Exploration Administration.
From: Basil G. Dean, U. S. Geological Survey.
Applicant: Richard C. Angel, Franklin, North Carolina.
Name of property: Quinzenberry mine (Quinzenberry 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) 170 feet adit.
(2) 100 feet drift.
Sources of information on applicant's property:
(1) Johns, E. H., Unpublished professional paper on mica deposits of the Blue Ridge province, North Carolina and Georgia.
(2) Stewart, D. F., 1923, Mica deposits of the United States: U. S. Geol. Survey Bul. 740, pp. 227-228.
Comments:
(1) According to Johns, 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.

BGDean:lmc
Copy to: Director's Reading
Branch Reading
DMEA (3)
Mr. Dean (G-228)

Basil G. Dean

C
O
P
Y

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

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
Operating Committee
(3 copies)