☒ Audited

☒ Certified

Name Ernest Crowder

State N. C.

W[redacted] ANALYSIS SHEET - DMEA PROJECT [redacted]

Analysis as of May 31

Incl. Voucher for April

Commodity Mica

☐ Actual Cost

☐ Agreed Unit Costs

Docket No. 3549

Idm-E No. 756

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	80	2400.00	80	2400.00	2400.00
Raising					
Shafts	60	2400.00	50	2000.00	2000.00
Winzes					
Drilling (Specify)					
Surface Excavation		$30.00		30.00	30.00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.		116.00		78.00	78.00
Other (Specify)					
Totals		$4946.00		4508.00	4508.00

Prepared by [signature]

716

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Ernest Crowder

Spruce Pine, North Carolina

pertaining to Exploration Project Contract No. Idm-2756, Docket No. DMEA-3549, including Amendment No. 1, for the months of January 1955 to April 1955, inclusive, covering a project for the exploration of mica on property, known as the Hayle Cline Prospect located in Lincoln 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 work performed by reference to Field Team reports, 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:

> all of the costs incurred were under a contract provision 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		$4,508.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$4,508.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Three thousand three hundred eighty-one and no/100 Dollars

$3,381.00

is considered valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

E. D. Talbert

June 3, 1955

E. D. Talbert, Auditor

VISION COPY

EXPLORATION PROJECT CONTRACT
DOCKET NO.3549
Idm-E756 (mica)

AMENDMENT No. 1

Contract Idm-E756, Docket No. DMEA-3549, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and Ernest Crowder of Spruce Pine, North Carolina, dated January 6, 1955 is hereby amended as follows:

1. Article 3 is amended to read..."..... and shall bring the project to completion within a period of five (5) months from date of contract".... instead of three (3) months as first written.

This amendment is necessary because of inclement weather.

April 4, 1955

This amendment shall not be construed to increase th estimated total cost of the project, the aggregate total amount which the Government may be required to pay, nor the amount of any item designated as 'allowable maximum.'

ERNEST CROWDER, Operator

Ernest Crowder

Robert A. Lawrence

EXECUTIVE OFFICER
DMEA REGION V

Division Copy

Department of the Interior
Defense Minerals Exploration
RECEIVED
JAN 14 1955

MF-200A
(Revised June 1954)

Docket No. DMEA-3549

Commodity Mica

Contract No. Idm-E - 756

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this 6th day of January, 1955 between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Ernest Crowder, whose mailing address is Spruce Pine, North Carolina, hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and Owner's Consent to Lien

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of North Carolina, County of Lincoln, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee of [5] mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] lease, [7] unrecorded in Book ....., page ....., official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: Owner's Consent to Lien

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: Owner's Consent to Lien

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of Mica. The work to be performed is described in Exhibit "A." The Operator on or before FEB 15 1955 shall commence the work, and on or before 3 months from date * (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work. * Date means date of Contract.

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $4,946.00. The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $3,709.50: *Provided,* That until the Operator has rendered to the Government his final report, and any final 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 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records or accounts.

ARTICLE 7. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 6) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, 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, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 8 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 9. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 10. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

Ernest Crowder

ERNEST CROWDER
(Operator)

By .....

.....

THE UNITED STATES OF AMERICA

By C. W. Mitchell

Administrator, Defense Minerals Exploration Administration

"Appd. Sol. Off."

Hook

Fallert

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]

Selfridge

U. S. GOVERNMENT PRINTING OFFICE 16—70618-1

JAN 1 4 1933

EXPLORATION PROJECT CONTRACT
ERNEST CROWDER
DOCKET NO. DMEA-3549

ANNEX I

The land referred to in Article 2 of the contract form is described as follows:

BEGINNING at a stake in the old line and runs north 60 west 38 poles to a stake on the southwest bank of the creek; then north 29½ west 25½ poles crossing the creek to a stone; then north 60 east 42 poles to a stake; then south 32 3/4ths degrees east 52 and 3/4ths poles to a stone; then south 60 west 80 poles to a stone in the old line; then with it north 35½ west 27¼ poles to the BEGINNING, and containing 20 acres (Book 140 at page 179 Lincoln County registry.)

EXPLORATION PROJECT CONTRACT
ERNEST CROWDER
DOCKET NO. DMEA-3549

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished in two stages in the area indicated on the attached map entitled, "Sketch of Hoyle Cline Pros. Lincoln County, N. C. DMEA-3549 (Mica)" as follows:

Stage I

1. Cut a crosscut trench approximately 30 feet long by 15 feet wide by 10 feet deep to expose the pegmatite.

Stage II

1. Construct:

(a) A toolhouse, minimum dimensions 7 feet by 10 feet by 12 feet.

(b) A powder storage magazine, minimum dimensions 4 feet by 3 feet by 2½ feet.

(c) An exploder storage magazine, minimum dimensions 2 feet by 1½ feet by 1 feet.

The toolhouse may be unfloored; shall be made from rough unfinished lumber with a protective roof covering; and shall be equipped with lock and key.

The powder and exploder magazines shall be boxed on all sides; shall be made from 2-inch hard lumber or 3-inch soft lumber; and shall be braced at the corners. Lumber for these two boxes shall be smooth on the inside. No metal shall be exposed; and the lids or doors shall be securely locked with the equivalent of a 5-tumbler jar-proof lock.

2. Sink a 60-foot, two compartment shaft on the pegmatite from the bottom of the bulldozer trench.

3. From the bottom of the shaft, drive 80 feet of drifts and/or crosscuts on the pegmatite.

The shaft and the drifts and/or crosscuts shall be timbered as necessary and shall have cross-sectional dimensions of not less than 5 feet by 7 feet in the clear of timber.

All underground work shall be in pegmatite.

The location, inclination, direction and extent of all work are subject to the approval of the Government.

The work under Stage II shall be undertaken only upon prior approval of the Government.

Fixed Unit Costs

Stage I

Bulldozing a crosscut trench 3 hrs. @ $10.00/hr.	$ 30.00	
Estimated total cost Stage I		$ 30.00

Stage II

Constructing:		
Toolhouse 1/	$ 78.00	
Powder Magazine 1/	25.00	
Exploder Magazine 1/	13.00	
Sinking 60 feet of shaft @ $40.00/ft.	2,400.00	
Driving 80 feet of drifts and/or crosscuts @ $30.00/ft.	2,400.00	
Estimated total cost Stage II		$4,916.00
Estimated total cost of project		$4,946.00
Government participation @ 75%		$3,709.50

1/ The completed work constitutes the unit.

DEPARTMENT OF [illegible]
Defense Minerals [illegible]
RECEIVED
JAN 1 4 1955

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

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

[illegible] at a stake in the old line and runs north 60 west 30 poles to a stake on the southwest bank of the creek; then north 29½ west 25½ poles crossing the creek to a stone; then north 60 east 42 poles to a stake; then south 32 3/4ths degrees east 22 and 3/4ths poles to a stone; then south 60 west 60 poles to a stone in the old line; then with it north 35¼ west 27¼ poles to the [illegible], and containing 20 acres(Book 140 at page 179 Lincoln County registry.)

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/ Ernest Crouder

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

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 there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

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.

(OVER)

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.

4. Changes and added provisions _____

_____

_____

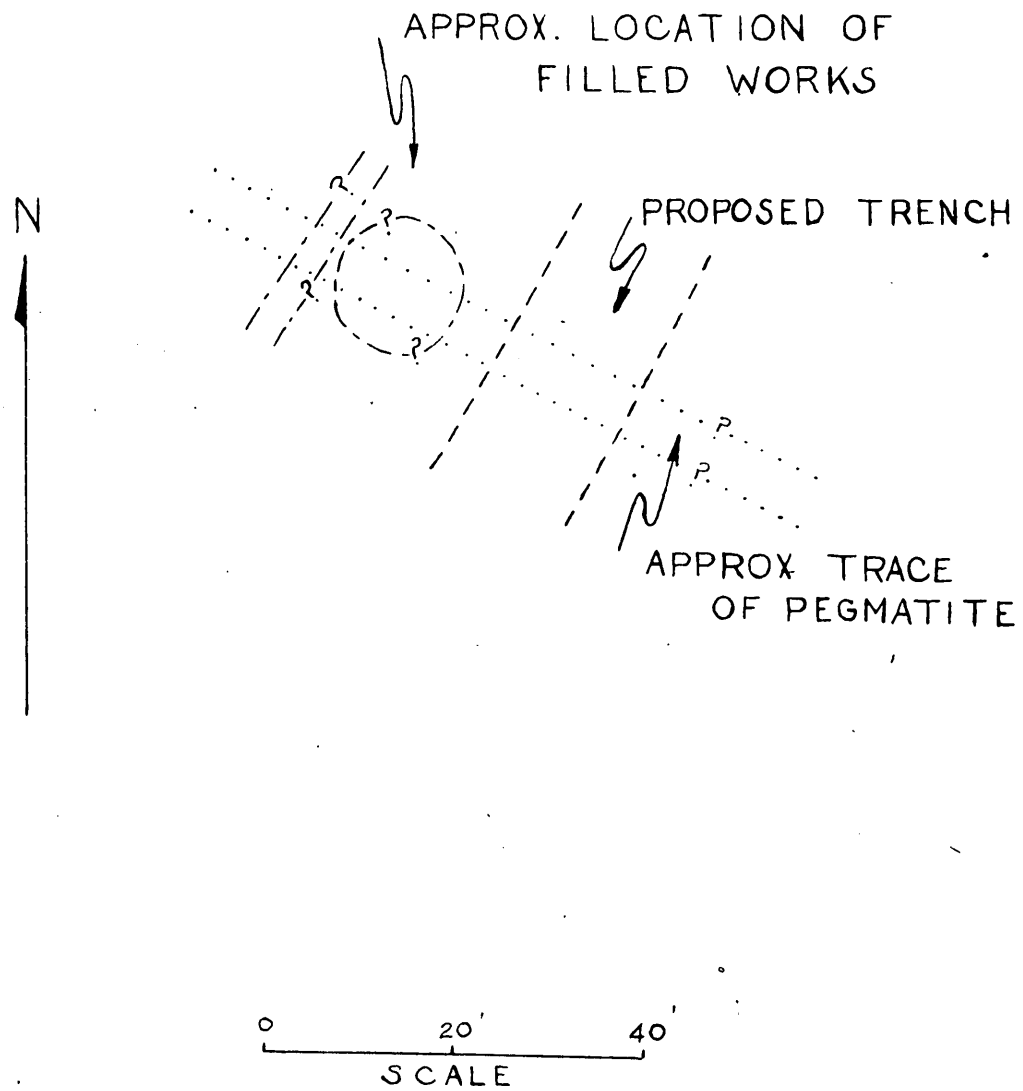
_____

Dated this 6th day of December, 1954.

N C Hauser [Seal] Route 3

Etta Hauser [Seal] Vale, N.C.

_____ [Seal]



SKETCH OF
HOYLE CLINE PROS.
~~CLEVELAND~~ Lincoln CO., N.C.

DMEA-3549(mica)

MAR - 2 1956

Mr. Ernest Crouder

Agnes Fine, North Carolina

Re: Docket No. DMA-3549-Mica
Ernest Crouder
Hoyle Cline Tract
Lincoln County, North Carolina
Contract No. Idm-2756

Dear Mr. Crouder:

Reference is made to your terminated exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this project. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the period indicated.

Your interest in the DMA exploration program and participation therein are fully appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins:mm 2/23/56
Copy to: Admr. R. File
Docket
Mr. Chambers
Mr. Killsgaard, 5222
Mr. Dietrich, 3061
Field Team, Region V
Mr. Houk
Mr. Hopkins
N. C. Hanner)
Etta Hanner) Owners of Land

Project Summary Report

February 23, 1956

By: James Hopkins

1. Docket No. DMEA-3549-Mica
   Contract No. Idm-8756
   Hoyle Gline Land
   Lincoln County, North Carolina

   Operator: Ernest Crowder
   Spruce Pine, North Carolina

   Operator's Property Rights:
   Lessee

2. Contract: Dated January 6, 1955
   a) Work authorized:

Stage I	
Bulldozing 3 hrs. @ $10.00/hr.	$ 30.00
Stage II	
Construction:	
Toolhouse, Powder and Exploder magazines	116.00
Sinking shaft 60 ft. @ $40.00/ft.	2400.00
Drifting 80 ft. @ $30.00/ft.	2400.00
Estimated total cost	$4946.00

   b) Amendments: none
   c) Work Completed:

Bulldozing 3 hrs. @ $10.00/hr.	$ 30.00
Construction	116.00
Shaft Sinking 60' @ $40.00/ft.	2400.00
Drifting 80' @ $30.00/ft.	2400.00
Total cost	$4946.00

   Work began January 13, 1955
   Work completed April 29, 1955
   Final Field Team Report June 9, 1955
   Operator's Final Report - waived June 9, 1955

3. Audit: Report of Review dated June 3, 1955

Total cost as billed by Operator	$4508.00
Exceptions	None
Total accepted cost	$4508.00
Government participation @ 75%	$3381.00

4. Certification of discovery: None issued

5. Comments:

The project was conducted in a very efficient and workmanlike manner.

There were no particularly difficult engineering problems.

Project was established to explore the down-dip extension of a previously mined pegmatite. Dump material indicated strategic mica would be found.

No strategic mica was recovered from the work. Material encountered in the shaft consisted of mica sillimanite schist containing inter-layered granite, hornblende gneiss and pegmatite stringer and pods.

Operation was good.

The Field Team concluded that no further work was warranted, as no reserves were found,

It was recommended that no certification of discovery be made.

The Nonmetallic Minerals Division concurs in the recommendation.

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

JHopkins:ms 2/23/56
Copy to: Admr. R. File
Mr. Houk
Mr. Hopkins

IN REPLY REFER TO:

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

RECEIVED
AUG 30 1955

August 29, 1955

Re: DMEA 3549
Ernest Crowder
Hoyle Cline land
Lincoln Co., N. C.
$4,943.00 - Mica

Memorandum

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

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

Subject: Review of Final Field Team Report.

This project was based very much on hearsay and float mica in the overburden. After Stage I work was completed the prospects were little better and Stage II revealed no mica.

Probably more attention should have been devoted to finding the pegmatite from which the reported mica might have come.

I concur with the recommendation of the Field Team that no certificate of discovery be issued.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-8/29/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

IN REPLY REFER TO:

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

RECEIVED
AUG 30 1955

August 29, 1955

Re: DMEA 3549
Ernest Crowder
Boyle Cline land
Lincoln Co., N. C.
$4,943.00 - Mica

Memorandum

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

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

Subject: Review of Final Field Team Report.

This project was based very much on hearsay and float mica in the overburden. After Stage I work was completed the prospects were little better and Stage II revealed no mica.

Probably more attention should have been devoted to finding the pegmatite from which the reported mica might have come.

I concur with the recommendation of the Field Team that no certificate of discovery be issued.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-8/29/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

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cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

RECEIVED
JUN 28 1955

June 28, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 3549 (mica)

Applicant: Ernest Crowder

Name and Location of Property: Hoyle Cline Prospect
Lincoln County, North Carolina

Contract Number: Idm-E 756

Date of Field Team Report: June 9, 1955

Date Rec'd by Br. of Ceramic & Fertilizer Materials: June 17, 1955

Field Team Recommendation: No certification of discovery

Comments:

1. No extension of pegmatite was found.

2. Expenditures -

Total approved	$4,946.00
Total cost	4,508.00
Gov't share of the cost	3,381.00
Value of production during operation	None

Recommendation:

I concur with the field team's recommendation of no certification of discovery.

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

RECEIVED
JUN 28 1955

June 28, 1955

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W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

June 28, 1955

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W. F. Dietrich

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

June 13, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region 5, Knoxville, Tennessee

Subject: Final Report, DMEA-3549, Idm-E756(mica) Ernest Crowder, Spruce Pine, N. C. Hoyle Cline Prospect, Lincoln County, North Carolina

Enclosed are four copies of the subject report. We recommend that no certificate of discovery be issued.

Requirement of the Operator's final engineering and geologic report is considered to have been met by information submitted in the Operator's final narrative. We do not think that instetence on a formal final report would provide us with any significant new information.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch, Member
Bureau of Mines

6-17-55

RECEIVED
JUN 15 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
BATFIELD TEAM, REGION V

On

DMEA-3549, HOYLE CLINE PROSPECT
(mica)
Lincoln County, N. C.

Reviewed by
DMEA OPERATING COMMITTEE
6-17-55
(date)

By

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

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

June 9, 1955

RECEIVED
JUN 15 1955

FINAL REPORT

DMEA-3549, Idm-E756, HOYLE CLINE BROS.

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: About 1 1/2 miles due west of Henry and one mile south of the Catawba-Lincoln County line, in Lincoln County, N. C.

The exploration conducted at this prospect failed to reveal a down dip extension of a previously mined pegmatite body. It is recommended that no certification of discovery be made. Additional exploratory work is not warranted.

Work under the contract began on January 13, 1955 and ended April 29, 1955. Under Stage I, a trench about 50' x 15' x 5' deep was bulldozed. This trenching required 3 equipment hours. A toolhouse was then constructed and a 50-foot vertical shaft 5' x 7' in cross-section was sunk and in part timbered. A total of 83 feet of laterals were driven from two levels of the shaft (3 feet of lateral were done at the Operator's expense). These laterals are: (1) a 40-foot crosscut driven in a S. 60° direction and two laterals from its head driven 13 feet N. 25° E. and 14 feet S. 25° W. all from the 45-foot level of the shaft, and (2) a 16-foot crosscut driven in a S. 45° E. direction from the 26-foot level.

Material encountered in the shaft consisted of mica-sillimanite schist containing interlayered granite, hornblende gneiss and pegmatite stringer and pods. The foliation and layering of the rock is variable but most of the dips are 10° - 50° to the southwest.

The muck filled bottom of the old stope from which mica-bearing pegmatite was previously mined was encountered near the head of the crosscut driven on the 26-foot level.

No strategic mica was recovered from the work except a small amount from the overburden while dozing, nor were any reserves revealed. The Operator plans to mine the muck left above the 26-foot level as it contains some strategic mica.

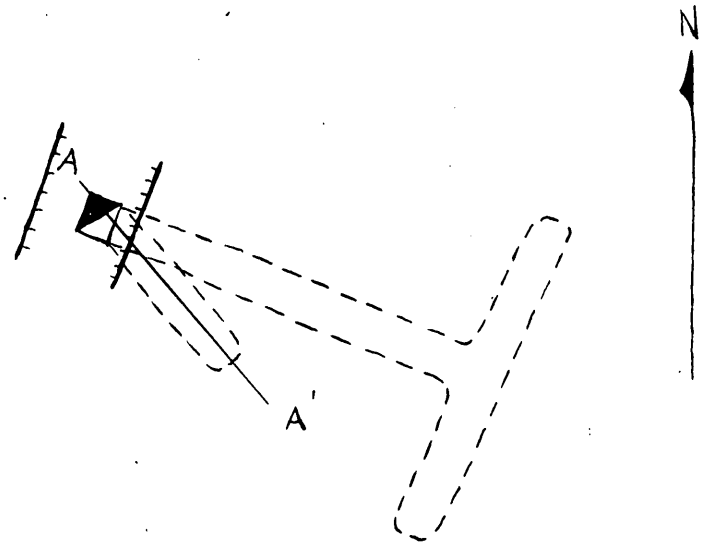
Expenditures;	(a)	Total approved	$4,946.00
	(b)	Total cost of project	4,508.00
	(c)	Government's share of cost	3,381.00
	(d)	Government's share unexpended	328.50
	(e)	Value of production during operation	none

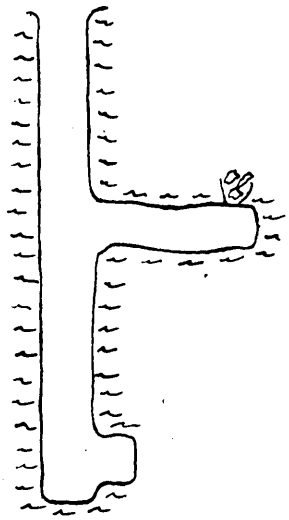
The work completed under the contract was performed in an efficient and satisfactory manner. No equipment was purchased under the contract.

June 9, 1955

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

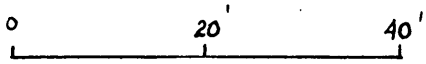
L. E. Shirley, Mining Engineer
U. S. Bureau of Mines





SECTION A-A'

LEGEND
mixed mica-sillimanite schist and pegmatite
muck
cut
shaft



scale

SKETCH OF

HOYLE CLINE PROS.

LINCOLN CO., N.C.

DMEA-3549

May 3, 1955

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

Budget Bureau No. 42-R1036.5

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

PAYMENT VOUCHER & SCHEDULE OF PAYMENTS
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 31 1955

Month of April, 1955 Docket No. DMEA 3549 Contract No. Dm-S 756
Operator's Name Ernest Crowder Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $ 4846.00 Government Participation: 75 % Amount, $ 3709.50

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		30.00	30.00			
Crosscutting						
Drifting	1890.00	510.00	2400.00			
Shaft		2000.00	2000.00			
(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		73.00	73.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1890.00	2613.00	4503.00	1890.00	2618.00	4508.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 5-26-55 *Payee Ernest Crowder
Per Ernest Crowder 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:

$ 1417.50

Signature Helen R. Melin
(Authorized Certifying Officer)

Date 5-26-55 Vou. No.
(See other side)

472.50

(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. ..... in accordance with the terms of the contract.

Signature Keyton H. Teague Title Geologist, U.S.G.S. Date 5/25/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lemmons Title EXECUTIVE OFFICER DMEA REGION V Date MAY 25 1955

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

Defense Minerals Administration
RECEIVED
MAY 31 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1955 Docket No. DMEA 3549 Contract No. 20-0 756
Operator's Name Ernest Crowder Minerals Mica
Address Bruce Mine, 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
63' Drifting 30.00	Ft.	1890.00	63	2400.00	80	30.00	80	30.00
Crosscutting								
Raising								
Shafts				2000.00	50	40.00	50	40.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				30.00		30.00		30.00
Total Distributed Costs		1890.00		4430.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				73.00				
Total Costs		1890.00		4503.00				

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 5-4-55 Operator Ernest Crowder

Per Ernest D. Crowder 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)

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

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 872894

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 31 1955

Month of April

Docket No. [illegible]
DMA-3750

Work Accomplished

I have completed the shaft and 40 feet of drift. We are through with DMA-3750. I am still going to operate the mine. Haven't got any ore yet, but I think I will.

Ernest Crowder
ERNEST CROWDER
[illegible]

May 23, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3549 - Mica
Ernest Crowder
Hoyle Cline Prospect
Lincoln County, North Carolina

The Nonmetallic Minerals Division concurs in Amendment No. 1, dated April 4, 1955, to the subject contract as written and executed in the field. This amendment extends the completion date from three months to five months or until June 6, 1955.

Amendment No. 1 is necessary because of time lost due to inclement weather.

/S/
James Hopkins
Nonmetallic Minerals Division

JHopkins:gad 5/23/55
Copy to: Admr. R. File
Mr. Houk

Hopkins

INTERIM REPORT

DMRA-3549, Idm-8756 (mica) HOYLE CLINE PROSPECT

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: About 1 1/2 miles due west of Henry, one mile south of the Catawba-Lincoln County Line, Lincoln County, N. C.

With the exception of 10 feet of shaft, all work as outlined under contract has been completed without making a sizeable discovery of strategic mica. Stage I of the contract consisted of cutting a cross-cut trench 30' x 15' x 10'.

Stage II consisted of construction of a toolhouse, powder and exploder magazines, sinking 50 feet of two-compartment shaft and 80 feet of level work from two levels in the shaft. From the 45-foot level, 67 feet of crosscut was driven from the 19.5 foot level. This last crosscut encountered pegmatite and old workings at the head; from the shaft the work followed a granitic stringer, containing sillimanite until pegmatite was encountered.

The Operator has stated that he plans to do additional work in an effort to make the mine a producer by exploring the old workings and working the back-filled muck for strategic mica. This work was conducted satisfactorily.

Inspected: May 3, 1955

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

and

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

Hopkins

INTERIM REPORT

DMEA-3549, Idm-8756, HOYLE GLINE PROSPECT
(mica)

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: About 1 1/2 mile due west of Henry, one mile south of the Catawba-Lincoln County Line, In Lincoln County, N. C.

Level work continues on this contract and now totals 67 feet as follows: (1) a lateral driven 40 feet in a S. 65° E. direction from the 50-foot level of the shaft, (2) a level driven from the head of this opening 13 feet N. 25° E., and (3) another level driven 14-feet S. 25° W. from the same point. Material encountered in this work was interlayered mica-sillimanite schist, granite, hornblende gneiss and thin pegmatitic stringers all of which dip 10 - 30° to the southwest.

Progress is satisfactory.

Examined: April 19, 1955.

K. H. Teague and D. H. Ames, Geologists
U. S. Geological Survey

and

V. J. Lynch, Mining Engineer
U. S. Bureau of Mines

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

April 15, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region 5, Knoxville, Tenn.

Subject: Amendment No. 1 : Idm-R756, DMEA-3549 (mica) Ernest Crowder, Spruce Pine, N. C.

Transmitted are three copies of the subject amendment.

The usual distribution of the other copies has been made by this office.

Robert A. Laurence

ZM.
cc:
Lynch
Finance Office
Shirley
Files

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE
OF PAYMENTS No. 55

OPERATOR'S MONTHLY REPORT AND VOUCHER

3549 Minerals Administration
RECEIVED APR 14 1953

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $[illegible] Government Participation: [illegible]% Amount, $[illegible]

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~~ Bulldozing		30.00	[illegible]		30.00	30.00
Drifting	[illegible]		[illegible]	510.00		510.00
[illegible]	[illegible]	[illegible]	[illegible]		2000.00	2000.00
(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.		[illegible]	[illegible]		78.00	78.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
		2108.00				
TOTALS	[illegible]	[illegible]	[illegible]	510.00	2108.00	2618.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 4/14/53 *Payee Ernest Crowder
Per [illegible] Title [illegible]

*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:

$ 382.50

Signature Helen R. Miller
(Authorized Certifying Officer)

Date 4-12-53 Vou. No.
(See other side)

3

127.50

(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. IdmE756 in accordance with the terms of the contract.

Signature Henry H. Amos Title Geologist USGS Date Apr. 11, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lauman Title EXECUTIVE OFFICER DMEA REGION V Date APR 11 1955

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 872893

Form [illegible]F-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1955 Docket No. DMEA 3549 Contract No. E 756

Operator's Name Ernest Crowder Minerals Mica

Address Spruce Pine, N. C.

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		$ 510.00	17	$ 510.00	17	$30.00	50	$ 30.00
Crosscutting	Ft.	None	None	30.00	3	10.00	3	10.00
Raising								
Shafts	Ft.	None	None	2,000.00	50	40.00	60	40.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$510.00	17	$2,540.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				78.00				
TOTAL COSTS		$ 510.00		$2,618.00				

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 4/6/55 Operator Ernest Crowder

Per _____ 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)

Henry H. Amos, Apr. 11, 1955
USGS

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 872894

Month of March 1955

Department of the Interior
Bureau of Mines Administration
RECEIVED
APR 14 1955

DMEA No. 3349
IDM - R - 756

Work Accomplished:

Sank 50 ft. of shaft before turning off. Hit hard slate which has to be drilled and shot.

In turning off in the drift of soft slate hit a small vein of pegmatite and an approximately 17 ft. on the drift.

Ernest Crawder

Hyatt

INTERIM REPORT

IMEA-3549, Idm-8756, HOYLE CLINE PROSPECT
(mica)

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: About 1 1/2 mile due west of Henry, one mile south of the Catawba-Lincoln County Line, in Lincoln County, N. C.

Lateral work continues on this contract and now totals 28 feet all of which has been driven in a S. 60° E. direction. Material encountered in recent advance consists of interlayered mica schist and granitic material which dips about 30° to the southwest.

The Operator was advised to advance the level an additional 12 feet in the same direction until another examination by the Field Team could be made.

Progress on the contract is satisfactory.

Date of Examination:
April 6, 1955.

K. H. Teague and B. H. Ames, Geologists
U. S. Geological Survey

Hopkins

INTERIM REPORT

DMEA-3549, Idm-E756 (mica) Noyle Gline Prospect

Operator: Ernest Crowder, Spruce Pine, N. C.

Location: About 1 1/2 miles due west of Henry, one mile south of the Catawba County Line, Lincoln County, N. C.

Drifting is underway from the 50 foot shaft level and is now at 12 feet. The drift is being driven S. 55° E. and material encountered to date is narrow granitic stringers, separated by zones of mica schist. Stringer material is composed predominantly of kaolinized feldspar, some scattered quartz and scrap-size mica. No material containing sheet mica has been encountered to date.

The Operator was advised to top-lag the drift as needed. Timbers being used are 2" x 8" sawed oak planking.

Lawrence G. Heuk and Thor H. Kiilsgaard accompanied the Examiners on this visit to the mine.

March 30, 1955 - inspected.

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

K. N. Teague and B. H. Amos, Geologists
U. S. Geological Survey

s

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 4 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 7 1955

April 5, 1955

Memorandum

To: Operating Committee, DMEA- Washington

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

Subject: DMEA-3549, Idm-K756 (mica) Ernest Crowder, Opr.
Hoyle Cline Prospect, Lincoln County, N. C.

Reply to your letter of March 24, was delayed, because the subject prospect was on the itinerary for Mr. Houk and Mr. Kiilsgaard last week.

The description of the material encountered in the workings, as given in the interim reports, is probably misleading. Actually the pegmatite apparently broke up into pods and stringers; the field examiners thought it still looked good enough to continue. Although much of the material encountered is not pegmatite, the workings are in the pegmatite zone. Permission to begin the level work was given to the Operator, and an amendment to extend the time for completion will be prepared today.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch, Representative
U. S. Bureau of Mines
DMEA- Region V

RAL/mm
cc:
Lynch
Shirley --Files

600

MAR 2 4 1955

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

Subject: Docket No. DMEA-3549 - Mica
Ernest Crowder
Hayle Cline Prospect
Lincoln County, North Carolina

Dear Mr. Lawrence:

Reference is made to the Interim Report of March 1, 1955, and to the results of the work completed to date.

The geologic premise upon which this contract was written was the representation by the Operator that the pegmatite was six feet thick. The covering memorandum transmitting the Field Examination Report recommends that all underground work shall be in the pegmatite, and a contract was written conforming to the recommendation.

The Interim Report of January 18, 1955, shows the pegmatite to be 12 inches thick. The February 1, 1955, Interim Report indicates that the shaft at 35 feet was in coarse pegmatitic material and mica-sillimanite schist. On February 15, 1955, the shaft was at 42 feet and no examination was made of the material in place. The March 1, 1955, Interim Report states that shaft sinking is nearing completion and the bottom contains water and was not examined. If the pegmatite has bottomed are we justified in paying the Operator when the contract specifically reads: "...in the pegmatite"?

From the information available to this office it does not appear that the drifting under Stage II of the contract is justified.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

LQHouk:gad 3/21/55
Copy to: Admr. R. File
Docket Copy
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

INTERIM REPORT

DMEA-3549, Idm-8756, HOYLE CLINE PROSPECT
(mica)

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: About 1½ miles due west of Henry, one mile south of the Catawba-Lincoln County line, Lincoln County, N. C.

Shaft sinking continues slowly on this contract and is now at 50 feet. The Operator was advised to continue sinking and upon completion, establish a sump, floor, and turnoff on a level to the southeast. Material encountered has not changed since the last Interim Report. The mine continues to make considerable water, which is being handled satisfactorily with a newly-installed electric pump.

Inspected: March 15, 1955

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

K. H. Teague and D. H. Ames, Geologists
U. S. Geological Survey

Hopkins

Interim Report

DMEA-3549, Idm-E756 (mica) Hoyle Cline Prospect

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: About 1 1/2 miles due west of Henry, one mile south of the Catawba-Lincoln County Line, Lincoln County, N. C.

Shaft sinking is nearing completion on this contract. The bottom contained water and was not examined. Dump material examined does not show any change in material encountered, which is principaly a sillimanitic-mica schist, containing pods of granitic material. The Operator was advised to provide a sump and upon reaching a total depth of 60 feet, including the sump, to turn off and drive level work.

The Operator states that a power line to the mine will be completed within the coming week. An electric pump to handle the water will greatly facilitate progress on this contract.

Inspected: March 1, 1955.

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

K. H. Teague and D. H. Ames, Geologists
U. S. Geological Survey.

Hopkins

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DATE OF VOUCHER & SCHEDULE OR PAY ROLL NO. 44

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Feb., 1955 Docket No. DMEA 3549 Contract No. E-756
Operator's Name Ernest Crowder Minerals Mica
Address Spruce Pine, N.C.
Contract Amount, $ 4943.00 Government Participation: 75 % Amount, $ 3709.50

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		630.00	630.00			
Crosscutting						
Drifting						
Shaft (20 ft.)	800.00	1200.00	2000.00			
(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.		78.00	78.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	800.00	1308.00	2108.00	800.00	1308.00	2108.00

DEPARTMENT OF Defense Mineral Exploration RECEIVED MAR 11 1955

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-3-55 *Payee Ernest Crowder
Per Ernest Crowder 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:
$ 600.00
Signature Helen R. Miller
(Authorized Certifying Officer)
Date 3-9-55 Vou. No. 156
(See other side)

2

$200.00

(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. Dm-E756 in accordance with the terms of the contract.

Signature Lawrence E. Shurley Title Mining Engr. U.S.B.M. Date March 7, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date MAR 8 1955

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.

Form MT-104A
(April 1952)

Budget Bureau No. 42-R1151.2

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
MAR 11 1955

Month of Feb. 1955 Docket No. DMEA 35[illegible] Contract No. [illegible] 796
Operator's Name Ernest Crowder Minerals Mica
Address S. Fuego Pino 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
Drifting								
Crosscutting	LF	None		$ 30.00	3	$10.00	3	$10.00
Raising								
Shafts	Ft.	$000.00	20	2000.00	20	40.00	60	40.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		$000.00		$2030.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				78.00				
Total Costs		$000.00		$2108.00				

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 3-3-55 Operator Ernest Crowder

Per Ernest Crowder 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)

"Units to date" under shafts should be 50 feet instead of 20.

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 872894

Operator's Monthly Report Of Progress
For The
Month of February 1955

Date Work Began 1-13-55

DMLA No. 3549 Idm-L-756

Work Accomplished

Sank 20 feet more on shaft this month.

Daily Report

Feb. 7-11
Continued sinking shaft.

Feb. 14-17
Continued sinking shaft.

Feb. 23
Moved in pump and set it up. Then waiting on power line to be set up.

March 8, 1955

Mr. Ernest Crowder

Spruce Pine, N. C.

Re: DMEA-3549 (mica) Idm-8756

Dear Mr. Crowder:

Your February monthly report and voucher has been received in this office and is being sent to the Finance Office today for payment. On form MP-104 in the units to date column, on the line marked shafts the figure should be 50 instead of 20.

Your narrative which accompanied the report is not very informative. We would like to know what material you are in; whether pegmatite or country rock; how much mica, if any, is being recovered; if you are in hard rock, how many holes are drilled per round, and what depth and how mushpowder is used per hole.

Very truly yours,

Robert A. Laurence

EXECUTIVE OFFICER
DMEA REGION V

WAB/sm
cc:
Finance Office-3
Lynch
Shirley
Files

Hopkins

DEFENSE MINERALS EXPLORATION

INTERIM REPORT
On

DMEA-3540, Idn-8756 (mica) Maple Cline Prop.

Operator : Ernest Crowder, Spruce Pine, North Carolina

Location: About 1½ miles due west of Henry, one mile south of Catawba - Lincoln County Line, Lincoln County, N. C.

Shaft sinking continues on this contract and is now at 42 feet. The bottom contained water and no examination could be made of material in place. Dump material examined shows a granite-schist mixture. No sheet mica was observed in any of the material.

This operation has been hampered recently by inclement weather and the mine is beginning to make considerable water. The Operator states that an electric line will be installed to the mine immediately, and that an electric pump will be used for water removal. Cribbing has been necessary for the last 15 feet of sinking. Progress on this contract is satisfactory.

February 15, 1955.
Inspected.

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

K. N. Teague and B. M. Amos, Geologists
U. S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
SOUTHEASTERN REGION
REGION VII
HAMILTON BANK BUILDING

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

February 15, 1955

Memorandum

To: Jay L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington, D. C.

From: Administrative Assistant, Knoxville, Tennessee Field Office

Subject: Monthly reports and vouchers

We are enclosing two copies of the following monthly report and voucher:

Idm-E-756 Ernest Crowder
DMEA Docket No. 3549
1st payment, month of January
Starting Date: 1-13-55
Amount $981.00

Helen R. Miller

Attachments 2
/hbm
Copies to V. J. Lynch
R. A. Lawrence
Knoxville Files
Day Files

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PATRON VOUCHER & SCHEDULE OF PAYMENTS K- 39

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED FEB 16 1955

Month of January, 1955 Docket No. DMEA 3549 Contract No. E-756
Operator's Name Ernest Crowder Minerals Mica
Address Spruce Pine, N.C.
Contract Amount, $ 4,946 Government Participation: 75 % Amount, $ 3,709.50

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	$30.00	None	30.00			
Crosscutting						
Drifting						
Shaft	1200.00	None	1200.00			
(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.	78.00	None	78.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1308.00	None	1308.00	1308.00		1308.00

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

Date 2-3-55 *Payee Ernest Crowder

Per Ernest Crowder Title ~~Pres~~ 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:

$ 981.00

Signature Helen R. Mielu
(Authorized Certifying Officer)

Date 2-15-55 Vou. No.
(See other side)

1-13-55

327.00

(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. Tdm-E756 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Feb. 7, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch Title ACTING EXECUTIVE OFFICER DMEA REGION V Date FEB 15 1955

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1955 Docket No. DMEA 3549 Contract No. E-756

Operator's Name Ernest Crowder Minerals Mica

Address Spruce Pine, 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
Drifting								
Crosscutting	Hr.	30.00	3	30.00	3	10.00	3	$10.00
Raising								
Shafts	Ft	1200.00	30	1200.00	30	40.00	60.	40.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1230.00		$1230.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.		78.00		78.00				
TOTAL COSTS		$1308.00		$1308.00				

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 2-3-55 Operator Ernest Crowder
Ernest Crowder

Per _____ 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 872894

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 16 1955

Operators Monthly Report of Progress
for the
MONTH OF JANUARY 1955

Date work began 1-13-55

DMEA No.3549 Idm E756

Work Accomplished

Dozed out crosscut,and next day we moved in and set up hoist ,started shaft,builttoolhouse 10x 12 feet.Have three men on one shift per day.Have advanced shaft 30 feet for the month.

Dailey Notes

Jan.13
Dozed off crosscut trench.
approximately 30 feet long 15 feet wide and 10feet deep.

Jan.14
Moved in hoist.

Jan.17

Set up hoist and started 5 x 7 feet shaft.

Jan.18 to 19
Moved inlumber and started toolhouse.

Jan.20 to 21
Continued sinking shaft.

Jan.24 to 28
Continued sinking shaft,struck pegmatite at approximately 25 feet deep.

Operators Monthly Report of Progress
for the
MONTH OF JANUARY 1955

Date work began 1-13-55

DMEA No.3549 Idm 1756

Work Accomplished

Dozed out crosscut, and next day we moved in and set up hoist started shaft, built toolhouse 10x 12 feet. Have three men on one shift per day. Have advanced shaft 30 feet for the month.

Daily Notes

Jan.13
Dozed off crosscut trench.
approximately 30 feet long 15 feet wide and 10feet deep.

Jan.14
Moved in hoist.

Jan.17

Set up hoist and started 5 x 7 feet shaft.

Jan.18 to 19
Moved in lumber and started toolhouse.

Jan.20 to 21
Continued sinking shaft.

Jan.24 to 28
Continued sinking shaft, struck pegmatite at approximately 25 feet deep.

Mr. Hopkins

Lincoln County Mining Records
FEB 14 1955

INTERIM REPORT
DMEA-3549, Idm-E756 (mica) HOYLE CLINE PROSPECT

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: About 1-1/2 miles due west of Henry, Lincoln County, N. C.

Shaft sinking is in progress at this prospect and has reached a depth of 35 feet. A toolhouse has been constructed.

Interlayered coarse pegmatitic material and mica-sillimanite schist was encountered in the shaft. The foliation of the schist and the layering strikes N. 70° W. and dips about 50° to the southwest. No strategic mica has been recovered to date.

The Operator was advised to timber the upper five feet of the shaft and to install a second clamp on the bucket end of the hoist cable.

The work is being done in an efficient manner and progress on the contract is satisfactory.

Examined: February 1, 1955.

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

8

Strategic Minerals Administration
RECEIVED
JAN 27 1955

INTERIM REPORT
DMEA-3549, Idm-E756 (mica) HOYLE CLINE PROSPECT

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: About 1 1/2 miles due west of Henry, Lincoln County, N. C.

Stage I of this contract has been completed. A trench about 50' x 15' x 5' deep was bulldozed. Its long direction is in a N. 20° E. direction.

A pegmatite about 12 inches thick is exposed in the trench. It is conformable to the enclosing country rock, weathered mica schist, striking N. 55° W. and dipping about 60° to the southwest. Several thin conformable pegmatite streaks were disclosed by the trenching. A few blocks of excellent quality mica were uncovered by the dozing, largely from the overburden.

It is recommended that the work authorized under Stage II of the contract be undertaken.

Examined: January 18, 1955.

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 27 1955

January 25, 1955

Mr. Ernest Crowder

Spruce Pine, N. C.

Re: DMEA-3549, Idm-E756 (mica)
Hoyle Cline Mine

Dear Mr. Crowder:

This will confirm the verbal authorization given you last week to proceed with Stage II of the exploratory work at the Hoyle Cline Prospect, as provided in the subject exploration contract.

Very truly yours,

Wm. A. Beck, Acting
Executive Officer, DMEA
Region V.

Stage II
(a) Sink 60-ft shaft
(b) Construct bulkhead
(c) Drift north

DMA/sm
cc:
Beck
Opr. Com.
Shirley
Files

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

January 13, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: Signed Contract- DMEA-3549, Idm-E 756 (mica)
Ernest Crowder, Spruce Pine, N. C.

Transmitted are three signed copies of the subject contract. The usual distribution of the other copies has been made from this office.

Robert A. Laurence

ZM.
cc:
Beck
Shirley
Helen Miller
Files

JAN - 6 1955

600

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

Subject: Docket No. DMEA-3549 - Mica
Ernest Crowder
Hoyle Cline Prospect
Lincoln 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 present it to the Operator for his 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 Geological Survey, dated November 18, 1954, and from the Bureau of Mines, dated December 9, 1954, are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

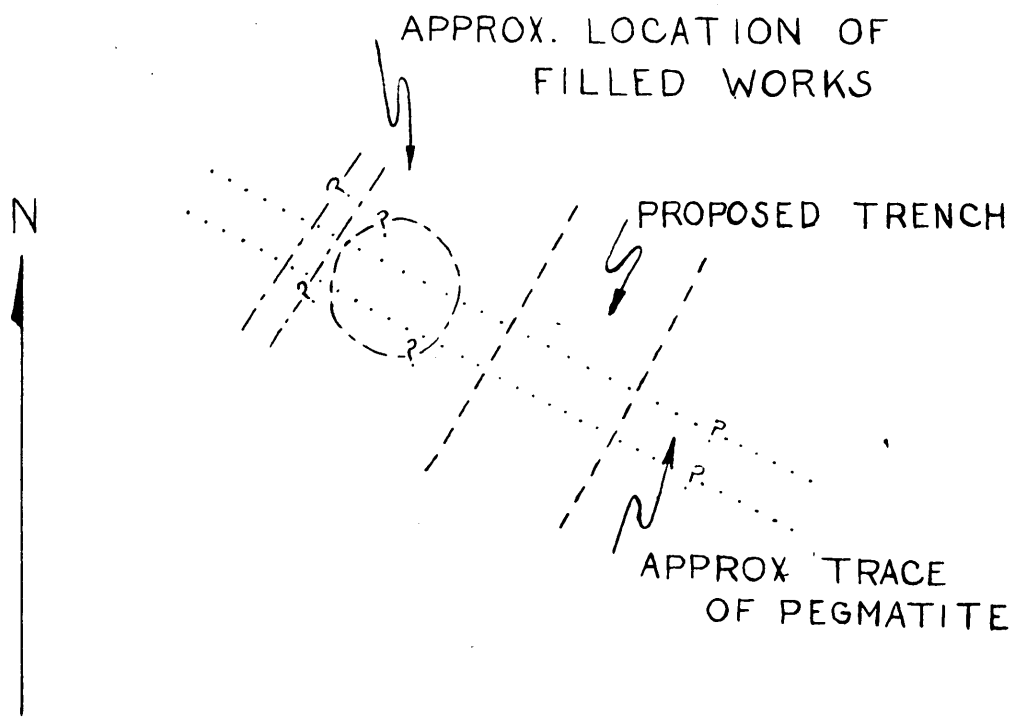
Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures 10

JHopkins:gad 1/4/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk



0 20' 40'

SCALE

SKETCH OF
HOYLE CLINE PROS.
~~CLEVELAND~~ CO., N.C.
Lincoln

DMEA-3549(mica)

IN REPLY REFER TO:

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

Defense

NOV 19 1954

November 18, 1954

Re: DMEA-0067 3549
Ernest Crowder
(Hayle Cline Prospect)
Lincoln Co., N. C.
$4,943 - Mica

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of field examination report

The applicant proposed sinking a 30 foot shaft and then drifting 80 feet in pegmatite.

The Field Team has recommended a crosscut trench, a 60-foot shaft and an 80 feet drift be approved as a contract project.

Although the evidence in scattered dump material indicates further exploration is warranted, I believe a staged project is needed on this property. Stage I to consist of trenching to locate the pegmatite and sinking a 60 feet shaft. If results of this work were favorable then the 80 feet of drifting would be allowed as a second stage.

E. L. Newcomb

ELNewcomb:hlm
G-11/18/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

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

Defense Minerals Administration
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DEC 9 1954

December 9, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3549 (mica)

Applicant: Ernest Crowder

Name and Location of Property: Hoyle Cline Prospect
Lincoln County, North Carolina

Date of Field Team Report: November 12, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: November 18, 1954

Field Team Recommendation:

1. Approval of a two-stage exploration project.

Comments:

1. Mica of good quality was found at the mining site.
2. Proposed exploration is consistent with good engineering practices.
3. Estimated costs are in line with other DMEA projects and total $4,943 for a two-stage project.

Recommendation:

I concur in the field team's recommendation to approve an exploration project on subject property in the amount of $4,943.

Signed

W. F. Dietrich

Estimated Costs of Project

Stage I

Category (1) Independent Contracts

Bulldoze trench to expose the pegmatite approximately 30 feet linear length, dozer blade width at bottom, including labor, materials and supplies transporting in and out $30.00

Stage II

Category (1) Independent Contracts

None

Category 2 Personal Services

c. Labor

Miners @ 1.50/hr	720.00
Hoistman @ 1.25/hr	600.00
Laborers @ 1.00/hr	720.00
	2040.00

Category 3 Operating Materials & Supplies

Timber	360.00	
Drill Steel	175.00	
Explosives	278.00	
Pipe	150.00	
Gasoline & Oil	275.00	
Small Tools	175.00	1613.00
Miscellaneous	200.00	

Category 4 Operating Equipment

Rental of Compressor drill, and Pump 3 mos @ 240.00/month		720.00
Rental of Jack leg 1½ mos @ 20.00/mo		30.00
Hoist 3 mos @ 50.00		150.00
		$900.00

Category 6 New Buildings, Fixtures and Installations

Toolhouse 7'x 10'x 12'	75.00	
Burder Magazine 4x3x 2½	25.00	
Exploder Magazine 2x1½x1	13.00	113.00

Category 7 Miscellaneous

Workmens Compensation and liability insurance	250.00	250.00
Total Agreed Unit Cost		$4948.00

Field Team's estimate $5043.00

ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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NOV 15 1954

November 12, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA, Region VII

Subject: Field Examination Report, DMEA-3549 (mica)
Ernest Crowder, Spruce Pine, N. C.
Boyle Cline prospect, Lincoln County, North Carolina

Enclosed are the original and three copies of the subject examination report.

We agree with the examiners' conclusions, and recommend approval of a 2-stage contract, along the lines suggested in the report, except that the last sentence on page 1 should read, "all underground work should be in pegmatite."

No map was prepared for this report, as the entire area is one of very slight relief, with no outcrops or surface workings.

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

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

RAL/mg
Enclosures 4

cc
Beck
Lynch
Files
Division File-DMEA - Washington

Reviewed by
DMEA OPERATING COMMITTEE
11/19/54
(Date)

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
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NOV 4 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF FIELD EXAMINATION- FIELD TEAM, REGION VII

On

DMEA-3549, HOYLE GLINE PROSPECT
(mica)
Lincoln County, N. C.

By

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

and

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

November 2, 1954

Reviewed by
DMEA OPERATING COMMITTEE
11/19/54

FIELD EXAMINATION REPORT
On
DMEA-3549, HOYLE CLINE PROSPECT (mica)

Applicant: Ernest Crowder, Spruce Pine, North Carolina

This prospect appears to be one of the better ones that has been examined recently. Much excellent quality mica is in the soil where an old dump has been scattered. Although there are no exposures, exploration assistance is warranted.

The prospect was examined November 2, 1954. Messrs. Ernest Crowder and William Duncan accompanied the examiners on the inspection which required one hour.

The Hoyle Cline Prospect is about one and one-half miles due west of Henry, one mile south of the Catawba-Lincoln County line, in Lincoln County, N. C. Access is good at all times.

The applicant is capable to conduct the proposed work. Area of his lease is adequate for the project.

There are no facilities on the property. A toolhouse, powder magazine and exploder magazine will be needed.

All old workings have been filled, and the land returned to cultivation. From the best information available, an open cut about 12-15 feet in diameter and 40 feet deep, was sunk on this pegmatite about 35 years ago. Apparently there were no levels driven from the open cut.

The applicant sunk a shallow trench on the pegmatite several months ago (since filled). He reports that the pegmatite is about 6 feet thick, trends about N. 65° W., dips vertically and has a quartz core.

Dump material consists of much quartz, burr-rock, and mica in scales which are as much as 8 inches in diameter. Apparently the feldspar was completely kaolinized to the depth of old workings.

Both flat and flat-A are present in the dump material. It is hard, flat, splits well, and ruby-colored. The amount of mica present in the scattered dump suggests that the pegmatite is exceptionally rich in mica.

Exploration assistance is recommended on this deposit. It should consist of cutting a crosscut trench to locate the pegmatite, sinking a 60-feet shaft and driving 80 feet of drift. All work should be in pegmatite.

Estimated Cost:

Toolhouse		$ 75.00
Fodder Magazine		25.00
Exploder "		13.00
Crosscutting trench (30' x 10' x 15')		
Bulldozer, 3 hrs. @ $10/hr.		30.00
Sink 60-foot, 5' x 7' shaft on pegmatite (30 shifts)		
Labor:		
1 - Miners @ $1.50/hr.	$360.00	
1 - Hoistman @ $1.25/hr.	300.00	
1 - Laborer @ $1.00/hr.	240.00	
Equipment (rental)		
Compressor, drill & pump @ $240/Mo.	360.00	
Hoist @ $50/Mo.	75.00	
Supplies:		
Timber, 4000 B.F. @ $60/M	240.00	
Drill steel	75.00	
Explosives	150.00	
Pipe	75.00	
Gasoline and oil	125.00	
Small tools	100.00	
Miscellaneous	150.00	
Insurance & Social Security	150.00	$2,400.00
Drive 80 feet of drift on pegmatite (30 shifts)		
Labor:		
1 - miner @ $1.50/hr.	360.00	
1 - hoistman @ $1.25/hr.	300.00	
2 - Laborers @ $1./hr.	480.00	
Equipment (rental)		
Compressor, drill, jackleg & pump @ $260/Mo.	390.00	
Hoist @ $50/Mo.	75.00	
Supplies:		
Timber, 2000 BF @ $60/M.	120.00	
Drill steel	100.00	
Explosives	175.00	
Pipe	75.00	
Gasoline and oil	150.00	
Small tools	75.00	
Miscellaneous	100.00	
Insurance and Social Security	100.00	$ 2,400.00
Estimated Total Cost		$ 4,943.00

November 2, 1954.

L. E. Shirley,
Mining Engineer,
U. S. B. M.

K. H. Teague and D. H. Amos, Geologists
U. S. G. S.

NOV 24 1954

Mr. Warren H. Pritchard

Spruce Pine, North Carolina

Re: Docket No. DMEA-3549 - Mica
Ernest Crowder
Hoyle Cline Land
Lincoln County, North Carolina

Dear Mr. Pritchard:

Reference is made to the description of the land upon which the applicant wishes to explore for mica. We find that the description given in Paragraph 3 of the application to be too general for our purpose. Will you kindly have Mr. Crowder provide us with a legal description (bearings and distances) of the actual boundary lines of the tract of land.

We are enclosing six copies of the new Owner's Consent to Lease form to be executed by the owners of the Hoyle Cline Land.

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosures 6

JHopkins:gad 11/22/54
Copy to: Admr. R. File
Docket
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

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

NOV 24 1954

Mr. Warren H. Pritchard

Spruce Pine, North Carolina

Re: Docket No. DMEA-3549 - Mica
Ernest Crowder
Hoyle Cline Land
Lincoln County, North Carolina

Dear Mr. Pritchard:

Reference is made to the description of the land upon which the applicant wishes to explore for mica. We find that the description given in Paragraph 3 of the application to be too general for our purpose. Will you kindly have Mr. Crowder provide us with a legal description (bearings and distances) of the actual boundary lines of the tract of land.

We are enclosing six copies of the new Owner's Consent to Lien form to be executed by the owners of the Hoyle Cline Land.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosures 6

JHopkins:gad 11/22/54
Copy to: Admr. R. File
Docket
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

NOV 2 4 1954

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

Subject: Docket No. DMEA-3549 - Mica
Ernest Crowder
Hoyle Cline Land
Lincoln County, North Carolina

Dear Mr. Laurence:

Receipt is acknowledged of your memorandum, dated November 12, 1954, together with copies of report of field examination on the subject property by the Field Team, Region VII.

Before a contract can be prepared we will require a sketch of the Hoyle Cline Land showing the boundary lines and the approximate locations of the old shallow trench and the proposed trench and shaft. Kindly prepare such a sketch and forward to this office at your earliest convenience.

Sincerely yours,

George C. Selvidge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

JHopkins:gad 11/22/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

NOV 1 5 1954

Mr. Ernest Crowder

Spruce Pine, North Carolina

Re: Docket No. DMEA-3549 - Miss
Hoyle Cline Land
Lincoln County, North Carolina

Dear Mr. Crowder:

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

A field examination of your property will be contingent upon your furnishing information requested by Mr. Robert A. Laurence in his letter to Mr. Warren B. Pritchard, dated October 22, 1954.

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.Q. Mittendorf

Administrator

JHopkins:gad 11/10/54
Copy to: Admr. R. File
Docket
Field Team, Region VII
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

600

NOV 15 1954

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

Subject: Docket No. DMEA-3549 - Miss Ernest Crowder
Hoyle Cline Land
Lincoln County, North Carolina

Dear Mr. Lawrence:

Please review the subject application and arrange for a field examination if you deem it necessary.

A field examination will undoubtedly be contingent upon the applicant furnishing the information requested in your letter to Mr. Warren B. Pritchard, dated October 22, 1954.

Copies of memoranda from the Geological Survey, dated October 27, 1954, and from the Bureau of Mines, dated November 9, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

E. L. Newcomb
Member, Geological Survey

Enclosures 4

JHopkins:gad 11/10/54

Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 9 - 1954

November 9, 1954

Memorandum

To: Nonmetallic Minerals Division,
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3549, Mica

Applicant: Ernest Crowder

Name and Location of Property: Prospect on Hoyle Circle Land
Lincoln County, North Carolina

Date Application Rec'd. by Ceram. & Fert. Mat. Br.: Oct. 26, 1954

Comments:

1. No data available in this office on this property and there is insufficient information given in the application to assist a preliminary appraisal.

Recommendation:

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

SIGNED

W. F. Dietrich

IN REPLY REFER TO:

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

October 27, 1954

Re: DMEA-3549
Ernest Crouder
(Hoyle Cline Land)
Lincoln Co., N. C.
$4,150 - Mica

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The applicant's exploration proposal consists of 50 feet of shaft sinking and 50 feet of drift.

We do not have any data on this property as described and defined in the application.

The application lacks considerable essential information for even a preliminary appraisal of the proposed project.

A letter to the applicant probably would not produce satisfactory answers. It would be more expedient to refer the application to the Field Team and request an examination be made at their convenience.

E. L. Newcomb

ELNewcomb:hlm
G-10/27/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061