Audited

Certified

K ANALYSIS SHEET - DMEA PROJEC

Analysis as of March 1955
Incl. Voucher for March

Actual Cost

Agreed Unit Costs

Name Ernest Crowder

Docket No. 3568

State North Carolina

Commodity Mica

Idm-E No. 758

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	80	2500.00	26	812.50	812.50
Raising					
Shafts	40	1620.00	40	1620.00	1620.00
Winzes					
Drilling (Specify)					
Surface Excavation		120.00		120.00	120.00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.		118.00		116.00	116.00
Other (Specify)					
Totals		4356.00		2668.50	$2668.50

Prepared by [signature]

71626

Hopkins

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-E758, Docket No. DMEA-3568, for the months of February 1955 to March 1955, inclusive, covering a project for the exploration of mica on property, known as the Lingerfeldt Property located in Gaston 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		$2,668.50
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$2,668.50

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 Two thousand one and 37/100 Dollars

$2,001.37

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, Auditor

May 25, 1955

Division Copy

MF-200A
(Revised June 1954)

Docket No. DMEA [illegible]

Commodity Mica

Contract No. Idm-E-758

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

It is agreed this 20th 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, N. C., 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 .....

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 Gaston, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee of [5] the 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: .....

(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 Rice ..... The work to be performed is described in Exhibit "A." The Operator on or before FEB 21 1955 ..... shall commence the work, and on or before 3 mos. after date of contract (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

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 $4,356.00 ..... The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $3,267.00 .....: *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 D Mitchenor

Administrator, Defense Minerals Exploration Administration

Putnam
Hoffman
Hopkins
Hook
Talbot
Selfridge

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

.....

[CORPORATE SEAL]

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

OFFICE OF THE INSPECTOR
Energy Research Administration
RECEIVED
JAN 3 1977

EXPLORATION PROJECT CONTRACT
ERNEST CROWDER
DOCKET NO. DMEA-3568

ANNEX I

The land referred to in Article 2 of the Contract was leased by W. N. Lingerfeldt and his wife Florence E., to Ernest Crowder, by an instrument dated October 19, 1954, and is described as follows:

> BEGINNING at a black oak W. N. Hovis corner in the Lingerfeldt line and runs north 35 west 58 poles to a sourwood; thence south 57½ west 8 poles to a stake; thence south 76 west 65 poles to a stake; thence south 16 west 8 poles to a stake; thence south 2 east 15 poles to a stone; thence south 30 west 12 poles to a stone; thence south 20 east 3 and 2/5ths poles to a pine; thence north 72 east 22 and 2/5ths poles to a power line pole; thence south 25 east 50 poles to a stone; thence north 36 east 20 and 3/4ths poles to a stone; thence north 50 east 40 poles to the BEGINNING.

The description of the land is contained in a deed recorded in Book 168 of Deeds at page 171, Gaston County registry.

EXPLORATION PROJECT CONTRACT
ERNEST CROWDER
DOCKET NO. DMKA-3568

EXHIBIT "A"

The work consists of two successive stages, as follows:

Stage I

With a D-4 bulldozer or equivalent, cut a trench 50 feet long by 20 feet wide by 5 feet deep to better expose the pegmatite and to locate the most suitable shaft site. The approximate locations of the trench and the shaft site are shown on the attached sketch, entitled, "Sketch of Lingerfeldt Prop. Gaston Co., N. C. DMKA-3568 (misa)," made a part hereof.

Stage II

If the Government is of the opinion that the results of Stage I warrant it and it grants prior approval, Stage II shall be performed.

1. Construct

(a) A toolhouse, minimum dimensions 8 feet by 10 feet by 7 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 foot.

The toolhouse may be unflooored; shall be made from unfinished lumber, with 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 hardwood or 3-inch softwood; and shall be braced at the corners. Lumber for these two boxes shall be smooth on the inside of the boxes. No metal shall be exposed; and the lids shall be securely locked with equivalent of a 5-tumbler jarproof lock.

2. Sink a 40-foot vertical or, if necessary, inclined shaft at a point agreed upon between the Government and the Operator. The shaft shall have minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

On the 40-foot level of the shaft, drive 80 feet of drifts and/or crosscuts having minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

All work shall be timbered as necessary.

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

Fixed Unit Costs

Stage I

Bulldozing 12 hours @ $10.00/hr.	$ 120.00

Stage II

Constructing:		
Toolhouse 1/	78.00	
Powder Magazine 1/	25.00	
Exploder Magazine 1/	13.00	
Sinking 40 feet of shaft @ $40.50/ft.	1,620.00	
Drifting and/or crosscutting 80 feet @ $31.25/ft.	2,500.00	
Estimated Total Cost of Project		$4,356.00
Government participation @ 75%		$3,267.00

1/ The completed work constitutes the unit.

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

DEPARTMENT OF THE INTERIOR
Leasing Minerals Administration
RECEIVED
OCT 15 1954

DEPARTMENT OF THE INTERIOR
Leasing Minerals Administration
RECEIVED
OCT 31 1955

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

Beginning at a black oak, W.M. Hovis' Corner on the Kingsfield line, and runs thence N 35 W 58 poles to a sourwood, thence S. 57½ W. 8 poles to a stone, Containing 25.6 acres, more or less.

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

2/ _____

_____

_____

hereinafter called the "Operator": and

WHEREAS, under 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 November 22, 1921 and recorded in book 168 page 171 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 11 day of October, 1954.

W. M. Lingerfeldt [Seal]

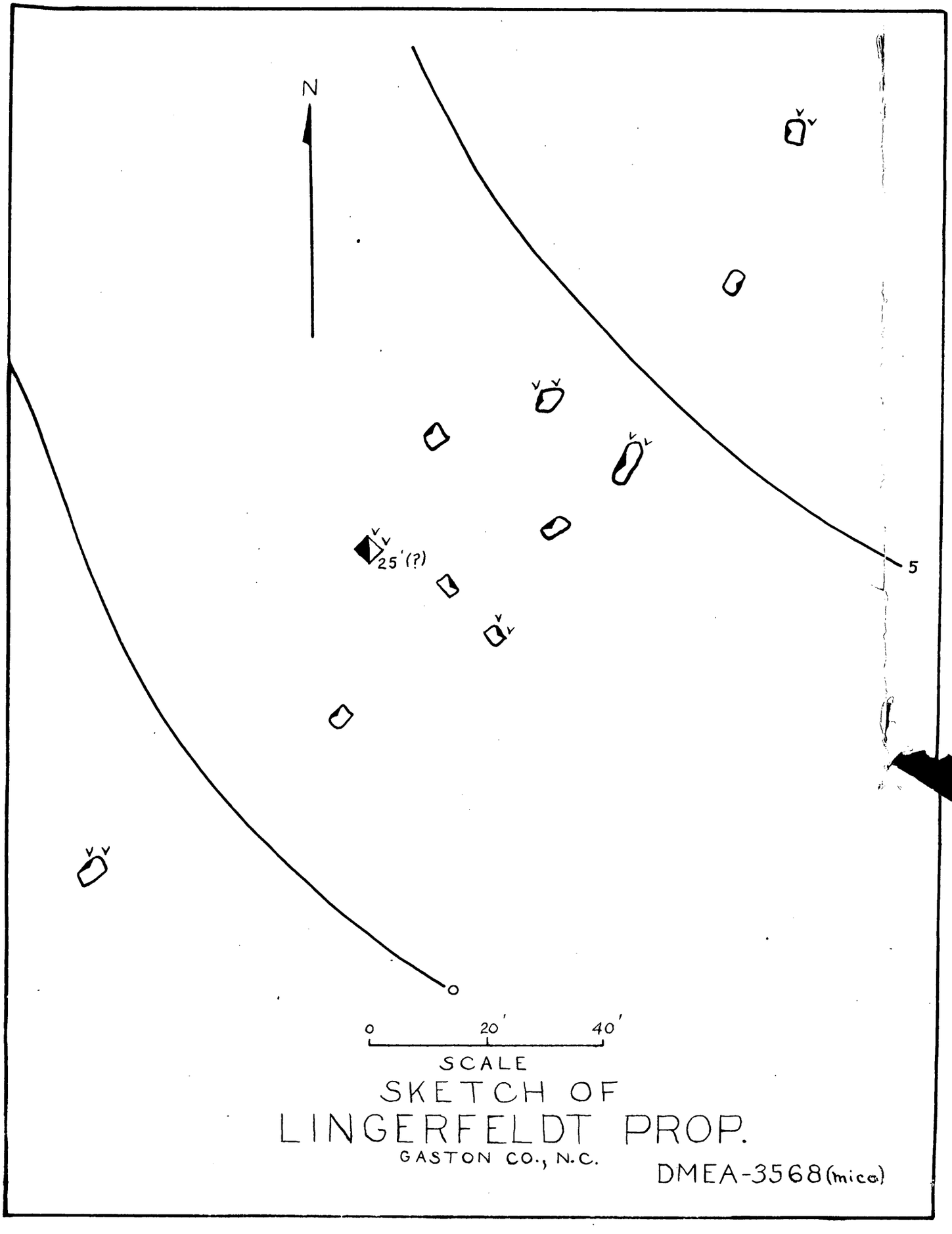
Florence E. Lingerfeldt [Seal]

_____ [Seal]

Signed before me, this 11 day of October, 1954
Martha H. Limerick, N. P.
My commission expires Jan. 19, 1955

BEGINNING at a black oak W. M. Hovis corner in the Lingerfeldt line and runs north 35 west 58 poles to a sourwood; thence south 57½ west 8 poles to a stake; thence south 76 west 65 poles to a stake; thence south 16 west 8 poles to a stake; thence south 2 east 15 poles to a stone; thence south 30 west 12 poles to a stone; thence south 20 east 3 and 2/5ths poles to a pine; thence north 72 east 22 and 2/5ths poles to a power line pole; thence south 25 east 50 poles to a stone; thence north 36 east 20 and 3/4ths poles to a stone; thence north 50 east 40 poles to the BEGINNING.

W. M. Lingerfeldt
Florence E. Lingerfeldt



SKETCH OF
LINGERFELDT PROP.
GASTON CO., N.C.

DMEA-3568 (mica)

(60)

MAR 22 1956

Mr. Ernest Crowder

Spruce Pine, North Carolina

Re: Docket No. DNEx-356-Nim
Ernest Crowder
Lingerfeldt Property
Gaston County, North Carolina
Contract No. Lim-2753

Dear Mr. Crowder:

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 DMEx exploration program and participation therein are fully appreciated.

Sincerely yours,

C. O. Matsondorf

Administrator

JHopkins:ms 3/19/56
Copy to: Docket
Mr. Chambers
Field Team, Region V
Mr. Killegaard, 5222
Mr. Dietrich, 3061
Mr. Hook
Mr. Hopkins
Admr. R. File
W. M. Lingerfeldt } TO FIELD FOR FORWARDING
Florence E. Lingerfeldt }

Project Summary Report

March 19, 1956

By: James Hopkins

1. Docket No. BMKA-3568-Mica
Ernest Crowder
Lingerfeldt Property
Gaston County, North Carolina
Contract No. Idm-2758

Operator: Ernest Crowder
Spruce Pine, North Carolina

Operator's Property Rights:
Lessee of the mineral rights from W. M. Lingerfeldt and his wife Florence E., owners.

2. Contract: dated January 20, 1955
a) Work authorized:

Stage I	
Bulldozing to expose pegmatite 12 hrs @ $10.00	$ 120.00
Stage II	
Construction: Toolhouse, Powder and Exploder magazines	116.00
Sinking 40 feet - 5'x7' shaft @ $40.50/ft.	1620.00
Drifting and/or crosscutting 80 ft. @ $31.25/ft.	2500.00
Estimated Total Cost	$4356.00

b) Amendments: none
c) Work completed:

Bulldozing trenches 12 hrs @ $10.00	$ 120.00
Shaft sinking 40 ft. @ $40.50/ft.	1620.00
Construction: Toolhouse, Powder and Exploder magazines	116.00
Drifting: 26 ft/@ $31.25/ft.	812.50
Total Cost	$2668.50

Work began February 8, 1955
Work was terminated by mutual agreement April 6, 1955 when it became apparent that there was little possibility of discovering a mica deposit.
Final Operator's Report was waived by the Executive Officer
Final Field Team Report dated June 9, 1955.

3. Audit Report: Report of Review dated May 25, 1955

Total Cost as billed by the Operator	$2668.50
Exceptions	None
Total Accepted Cost	$2668.50
Government participation @ 75%	$2001.37

4. Certification of Discovery - none issued

5. Comments:

Considerable mica of strategic quality had been recently revealed in numerous shallow test pits and an old partly caved shaft which suggested the existence of a strategic mica bearing pegmatite.

Geological Criteria on which work was based:

A thick(about 30') semi-weathered pegmatite, consisting of kaolinized feldspar, quartz, muscovite and biotite was exposed in a shaft and test pits. Material on dumps suggested country rock is hornblende gneiss and sillimanite schist.

Geologic Criteria developed during project work:

A disconformable pegmatite having maximum thickness of 40 feet was exposed.
No zoning was apparent
Country rock is mica-sillimanite schist
No concentration of mica
Small quantities of non-strategic mica - badly cracked somewhat curved, small in size and containing biotite inclusions was found, scattered through the pegmatite. 200 lbs. of "mine-run" mica having no value was produced.

Future Possibilities:

None. No additional work is warranted.

There are no reserves.
No equipment was purchased.
Work was completed in an efficient and satisfactory manner.

Recommendations:

The Field Team concluded and recommended that a certification should not be issued because the work failed to discover a concentration of mica.

The Nonmetallic Minerals Division concurs in the recommendation.

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

JHopkins:ms 3/19/56
Copy to: Mr. Houk
Mr. Hopkins
Admr. R. File

James Hopkins
Nonmetallic Minerals Division

IN REPLY REFER TO:

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

RECEIVED

September 29, 1955

Re: DMEA 3568, Idm-2758
Ernest Crowder
Lingerfeldt prospect
Gaston County, N. C.
$4,356.00 - Mica

Memorandum

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

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

Subject: Review of Field Team Final report.

A possible expenditure of $4,356.00 was approved for this project, but work was stopped and a termination by mutual agreement made after $2,668.50 had been spent.

A discontinuous pegmatite with a maximum thickness of about 40 feet was exposed by trenches and partly crosscut by a 26-foot crosscut from the shaft at the 25-foot level. About 200 pounds of mica, badly crushed, somewhat curved, small in size and containing biotite inclusions was recovered. Little is of strategic value.

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-9/29/55

cc: 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.

RECEIVED
JUL - 5 1955

July 5, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 3568 (mica)

Applicant: Ernest Crowder

Name and Location of Property: Lingerfeldt Prospect
Gaston County, North Carolina

Contract Number: Idm-E 758

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 be issued

Comments:

1. No strategic quality mica was encountered in the pegmatite dike.

Recommendation:

I concur with the field team's recommendation.

W. F. Dietrich

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

COPY

ROOM 13, 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-3568, Idm-E758(mica) Ernest Crowder, Spruce Pine, N. C. Lingerfeldt Prospect, Gaston County, N.C.

Enclosed are four copies of the Field Team final report on the subject project. We recommend that no certificate of discovery be issued.

The Operator did not submit a final engineering and geologic report, but we are willing to accept his two narrative reports as fulfilling this requirement; it is unlikely that insistence upon a final engineering and geologic report would provide us with any information which we did not already have.

Effective date of the termination was April 6, instead of March 24, as stated in the report.

/s/ ROBERT A. LAURENCE
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

/s/ V. J. LYNCH
V. J. Lynch, Member
Bureau of Mines

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

DMEA FIELD TEAM, REGION V

On

DMEA-3568, LINGERFELT PROSPECT.
(mica)
Gaston 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

RECEIVED
JUN 15 1955

June 9, 1955

FINAL REPORT

DMEA-3568, Idm-E758, LINGERFELDT

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

Location: 5 miles southeast of Cherryville, Gaston County, N. C., and 1/4 mile west of the Huskins Mine.

Exploration under this contract of a thick pegmatite failed to discover a concentration of strategic mica. It is recommended that no certification of discovery be issued. Additional exploratory work is not warranted.

Work under the contract began February 8, 1955. The contract was terminated by mutual agreement, effective May 24, 1955, when it became apparent that there was little possibility of discovering a mica deposit. Two crossucting trenches, parallel to each other, about 50' x 20' x 3' deep and trending N. 20° W. were bulldozed and a toolhouse, powder magazine and exploder magazine were constructed. A 40-foot vertical shaft was sunk and a 26-foot crosscut was driven in a N. 45° W. direction from the 25-foot level of the shaft.

A disconformable pegmatite having a maximum thickness of about 40 feet was exposed by the trenches and the underground work. It strikes N. 35° E. and dips 42° to the northwest. The body consists of semi-weathered potash feldspar, quartz, muscovite and vermiculitic biotite. No zoning is apparent except a tendency for muscovite to be concentrated along the contacts. The enclosing country rock is mica-sillimanite schist.

About 200 pounds of "mine-run" mica most of which is not of strategic quality was recovered from the work done under the contract. The mica is badly cracked, somewhat curved, small in size, and contains biotite inclusions.

Reserves revealed by the work completed are negligible.

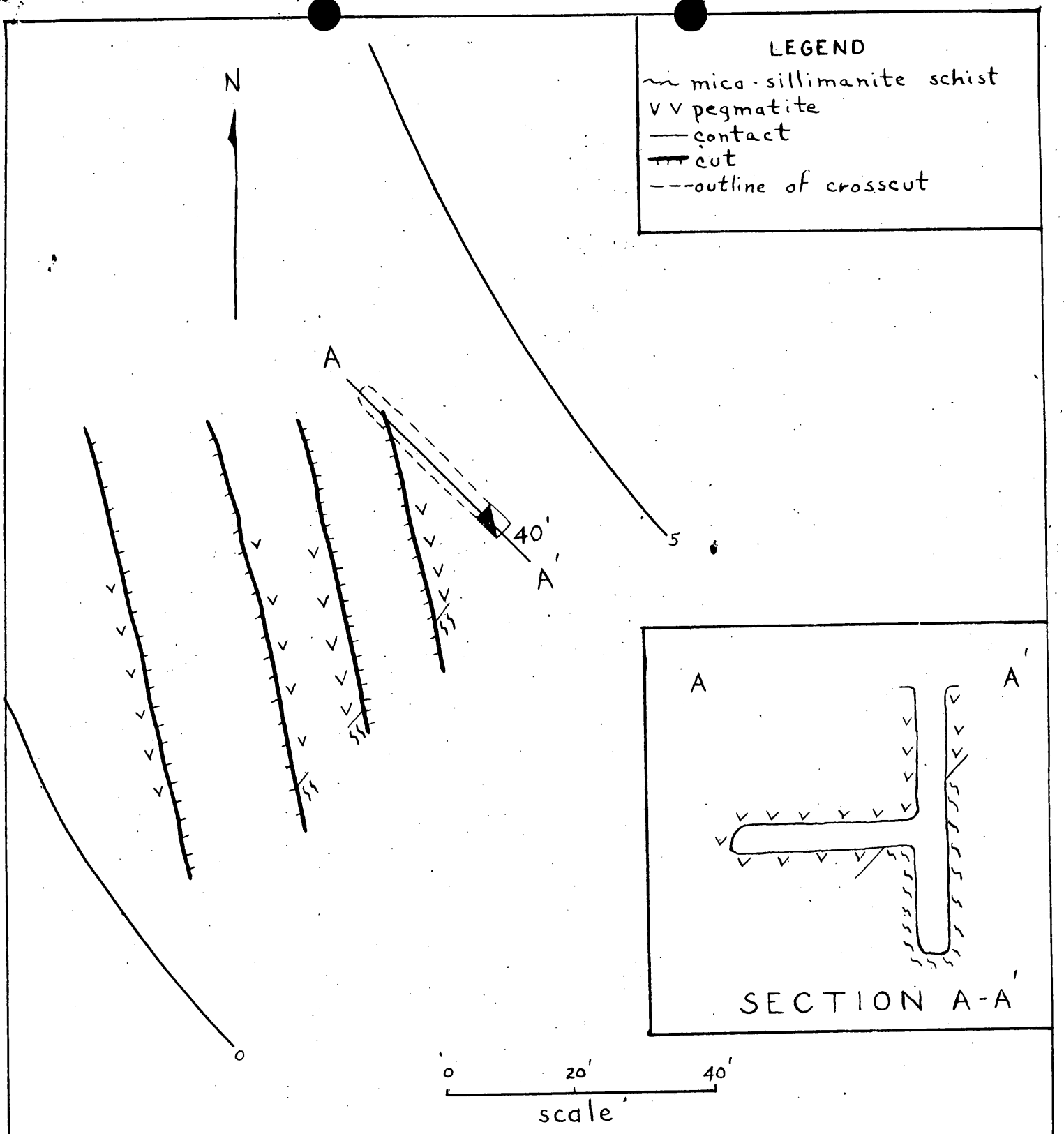
Expenditures:	(a)	Total approved	$4,356.00
	(b)	Total cost of project	2,668.50
	(c)	Government's participation	2,001.37
	(d)	Government's share unexpended	1,265.63
	(e)	Value of production during opr.	None

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

June 9, 1955.

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

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



SKETCH OF
LINGERFELDT PROP.
GASTON CO., N.C.

DMEA-3568

April 6, 1955

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

RECEIVED
JUN - 2 1955

May 31, 1955

Memorandum

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

From: Executive Officer, DMEA, Region V

Subject: Termination Agreement, DMEA-3568, Idm-E758 (Mica)
Ernest Crowder, Spruce Pine, N.C.
Lingerfeldt Prospect

Enclosed are the Government, Docket, and Division copies of the executed Termination Agreement for the subject contract. The other copies have been distributed to the Finance Office, Operator, and Field Team files.

Robert A. Laurence

RAL/mg
Enclosures 3
cc
Operating Committee
Finance Office
Lynch
Shirley
Files
Allsman

Division Copy

RECEIVED
JUN - 2 1955

TERMINATION AGREEMENT

It is agreed this 24 day of May, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Ernest Crowder, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E758 (Docket No. DMEA-3568), dated January 20, 1955, hereinafter called the "Contract," that:

1. Effective April 6, 1955, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the fixed unit costs of work performed prior to said effective date.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

4. All rights of the Government provided for in the Contract with respect to a certification of discovery or development and a percentage royalty and lien for its payment are preserved.

5. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

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

Rubin Hoffleuch
Asst. Sol. Off.
Chapman Hook
Selfridge Hopkins

ERNEST CROWDER

Ernest Crowder

MAY 2 3 1955

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

Subject: Docket No. DMEA-3568 - Mica
Ernest Crusher
Lingerfeldt Property
Gaston County, North Carolina
Contract No. Lim-8758

Dear Mr. Laurence:

Reference is made to the Field Team memorandum dated April 12, 1955, recommending termination of the subject contract by mutual agreement.

We have prepared and enclosed herewith the original and five copies of a Termination Agreement for your signature. If it meets with your approval please sign it in behalf of the Government and present it to the Operator for his approval and signature.

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

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 6

JHopkins:ad 5/18/55
Copy to: Admr. R. File
Docket
Operating Committee
~~EXECUTIVE~~
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

May 6, 1955

Memorandum

To: Mr. J. L. Hofflund, Acting Assistant Solicitor

From: Nonmetallic Minerals Division

Subject: Termination Agreement - Docket No. DMEA-3568 - Mica
Ernest Crowder
Lingerfeldt Property
Gaston County, North Carolina
Contract No. Idm-E758

Please prepare Termination Agreement to the subject contract to be signed by the Executive Officer, DMEA Field Team, Region V, pursuant to his request in memorandum dated April 12, 1955.

James Hopkins
Nonmetallic Minerals Division

JHopkins:gad 5/6/55
Copy to: Admr. R. File
Docket
Mr. Houk

Hopkins

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

RECEIVED
APR 14 1955

April 12, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3568, Idm-E758 (mica) Ernest Crowder, Spruce Pine, N. C.
Lingerfeldt Property, Gaston County, N. C.
Request for permission to Terminate

Enclosed are 4 copies of the latest interim report on the subject exploration contract.

We agree with the examiners' recommendation, and request permission to terminate by agreement with the Operator, effective April 6, 1955.

Certification will not be recommended.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch, Member
DMEA Field Team
U. S. Bureau of Mines

RAL/sm
cc:
Lynch
Shirley
Files

INTERIM REPORT

IMEA-3568, Idm-E758 (mica) LINGERFELDT PROPERTY

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

Location: 5 miles southeast of Cherryville, and 1/4 mile west of the Huskins Mine, Gaston County, N. C.

Work completed to date on this contract consists of a 40-foot vertical shaft and 26 feet of level work. The shaft was collared in pegmatite but the body dipped out of the shaft at a depth of 24.5 feet. From this point a crosscut was driven 26 feet in a N. 45° W. direction all of which was in pegmatite. The body strikes N. 35° E. and dips 42° N. W., and shows no apparent zoning. It consists of semi-~~[illegible]~~ kaolinized potash feldspar, quartz, muscovite and vermiculitic biotite. The muscovite is in large part not of strategic quality being cracked, small in size, curved, and somewhat stained. Only an insignificant quantity of "mine-run" mica has been recovered from the work completed to date.

It is recommended that no further work be done at this property and that the contract be terminated by mutual agreement. The Operator is in agreement.

Date of Exam: April 6, 1955.

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

Form [illegible]-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 K- 56

OPERATOR'S MONTHLY REPORT AND VOUCHER

Defense Minerals Administration
RECEIVED
APR 21 1955

Month of March, 195 5 Docket No. DMEA 3568 Contract No. E 758
Operator's Name Ernest Crowder Minerals Mica
Address Spruce Pine, North Carolina
Contract Amount, $ 4356.00 Government Participation: 75% Amount, $ 3267.00

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		120.00	120.00			
Crosscutting						
Drifting	812.50		812.50			
Shaft	1377.00	243.00	1620.00			
(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.	38.00	78.00	116.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2227.50	441.00	2668.50	2227.50	444.00	2668.50

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

Date 4-6-55 *Payee Ernest Crowder

Per _____ Title Operator

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

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

(Instructions on reverse)

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

$ 1670.62

Signature Helen R. Miller
(Authorized Certifying Officer)

Date 4-18-55 Vou. No. _____
(See other side)

556.80

(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. E-758 in accordance with the terms of the contract.

Signature Kelton H. Teague Title Geologist, USGS Date April 15, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date APR 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.

GPO 872893

Fo[illegible]F-104A
[illegible]ril 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
APR 21 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 195[illegible] Docket No. DMEA 3568 Contract No. E 758
Operator's Name Ernest Crowder Minerals Mica
Address Spruce Pine, North Carolina

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		812.50	26	812.50	26	31.25	80	31.25
~~Excavation~~ Bulldozing	hr.			120.00	12	10.00	12	10.00
Raising								
Shafts	ft	1377.00	34	1620.00	40	40.50	40	40.50
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2189.50		2552.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.		38.00		116.00				
TOTAL COSTS		2227.50	[illegible]	2668.50				

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

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)

4/15/55
Kepton H. Teague, Geologist, 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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 21 1955

Month of March 1955

DMA 5568
ICM - E - 758

Work Accomplished:

I have now completed 69 ft. of shaft. Had small veins of pegmatite all through 62 ft..

Coming back up to about 57 ft. on level taking off in the largest vein of pegmatite and drifted 26 ft.. So decided there was no use going any further.

Daily Notes - March 22/23/ - Built powder magazine 6ft. by 5 ft by 7½ ft.
March 24/25 - Built Exploder magazine 8ft. by 1½ft. by 1ft..

Ernest Crowder

Hopkins

INTERIM REPORT

DMEA-3568, Idm-E758 (mica) LINGERFELDT PROPERTY

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: 5 miles southeast of Cherryville, and 1/4 mile west of the Huskins Mine, Gaston County, N. C.

Drifting is underway on this contract. The shaft was floored at the 24.5 foot level and turnoff was made to the northwest. A drift advance of 17.5 feet has been made in a N. 45° W. direction in pegmatite material that is primarily feldspathic. Some small blocks of muscovite and occasional thin biotite around platy quartz has been encountered.

Powder and exploder magazines have been completed. Timber has been required in the drift and 2" x 8" sawed oak planking has been used throughout.

Ther H. Kiilsgaard and Lawrence G. Houk accompanied the Examiners on this visit to the mine.

Inspected: March 30, 1955.

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

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

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INTERIM REPORT

IMEA-3568, Idm-5758, LINGERFELDT PROPERTY
(mica)

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

Location: 5 miles southeast of Cherryville, and 1/4 mile west of the Huskins Mine, Gaston County, N. C.

Shaft sinking has been completed to a total depth of 40 feet on this contract. A pegmatitic stringer was followed for the last ten feet of sinking, but proved insignificant. The Operator was advised to floor the shaft at the 30 ft. level, turn off a drift level and drive in a N. 50° W. direction. Evidence of movement by the presence of slickensides was noticed at contacts with the country rock, a mica schist.

A gasoline-powered single drum heist, and conventional hoisting rig has been moved to the mine site and are now in use. Progress on this contract is satisfactory.

Inspected: March 15, 1955

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

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

INTERIM REPORT

DMEA-3568, Idm-E758 (mica) LINGERFELDT PROPERTY

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

Location: Five miles southeast of Cherryville, and 1/4 mile west of the Huskins Mine, Gaston County, N. C.

Shaft sinking is underway on this contract and is now at 6 feet. The shaft is being sunk in pegmatite composed of massive quartz, kaolinized feldspar and muscovite mica, some of which is badly clay stained. About 25 pounds of mica has been recovered from shafting completed.

No equipment, with the exception of hand tools, is on the property. A hoist and air compressor will be necessary before much additional sinking can be accomplished. A toolhouse has been constructed which is satisfactory.

Inspected: March 1, 1955.

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

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

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

Hopkins

Budget Bureau No. 42-R1036.5

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 44

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Feb., 1955 Docket No. DMEA 3560 Contract No. D-758
Operator's Name Ernest Crowder Minerals Mica
Address Spruce Pine N.C.
Contract Amount, $4,356.00 Government Participation: 75 % Amount, $3,267.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing (12 hr.)	120.00	0	120.00			
Crosscutting						
Drifting						
Shaft (6 ft.)	243.00	0	243.00			
(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.	70.00	0	70.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	442.00	0	442.00	441.00		441.00

Contract Mgr. Defense Minerals Administration RECEIVED MAR 11 1955

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

Date 3-9-55 *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:

$ 330.75

Signature Peter R. Mellin
(Authorized Certifying Officer)

Date 3-9-55 Vou. No. 156
(See other side)

1-2/8

110.25

(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-E758 in accordance with the terms of the contract.

Signature Lawrence E. Shirley 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 MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 11 1955

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

Month of Feb. 195_ Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Ernest Crowder Minerals [illegible]
Address Cuero Tex. U.S.

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	ft	120.00	12	120.00	12	120.00	12	120.00
Raising								
Shafts	ft	23.00	6	23.00	6	3.00	[illegible]	10.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		143.00		369.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.		70.00		70.00				
		[illegible]		[illegible]				
TOTAL COSTS								

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

Date 2-3-55 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)

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

[illegible] MONTHLY [illegible]

[illegible] MAR 1955

[illegible] to expire on 2-[illegible]-5[illegible]
[illegible] No. 35-68 [illegible]-B[illegible] 118

Work Accomplished

Dozed o t cross cut.

Drill Holes

Feb. 23

Built a tool house.

Feb. 25-26

Sunk 6 ft. of shaft, struck pegmatite at approximately 3 ft.

Hopkins

DEFENSE MINERALS EXPLORATION ADMINISTRATION

INTERIM REPORT

DMEA-3568, Idm-E758 (mica) Lingerfeldt Property

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: 5 miles southeast of Cherryville, and 1/4 mile west of the Huskins Mine, Gaston County, N. C.

No additional work has been accomplished on this contract since the completion of Stage I. Shaft site location for Stage II has been made. A later contact with the Operator divulged that shaft sinking would begin in the near future, but no definite date could be given at that time.

Examined:
February 15, 1955

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

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

Mr. Hopkins

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1955

DEFENSE EXPLORATION ADMINISTRATION

INTERIM REPORT

DMEA-3568, Idm-E758, LINGERFELDT PROPERTY
(mica)

Operator: Ernest Crowder, Spruce Pine, North Carolina

Location: 5 miles southeast of Cherryville, Gaston County, N. C., and 1/4 mile west of the Huskins Mine (DMEA-1388X).

The starting date on this contract is January 31, 1955. Two parallel trenches trending N. 20° W., each about 50' x 20' x 3' deep, were bulldozed normal to the strike of the pegmatite. The field examiners were present during the latter part of the dozing and recommended the second trench. Stage I of the contract has been completed.

A pegmatite about 40 feet thick was exposed by the trenching. It strikes about N. 45° E. and dips steeply to the northwest. Muscovite of strategic quality and size is present along the southeast wall of the body. It is flat, has minor mineral staining and is considerably cracked. The remainder of the pegmatite contains abundant mica, but it is mostly too small to yield sheet mica.

It is recommended that Stage II of the contract be undertaken. Location for a shaft was sited about 50 feet N. 70° E., of the existing shaft shown on the sketch attached to the contract.

Date of examination: February 1, 1955.

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

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

January 28, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V - Knoxville

Subject: Signed Contract - Idm-E758, DMEA-3568, Ernest Crowder (mica)
Spruce Pine, N. C.

Transmitted are three signed contract on the subject DMEA project. The usual distribution of the other copies has been made by this office.

Wm. A. Beck

ZM.

cc:
Beck
Shirley
Helen Miller
Files

JAN 2 0 1955

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

Subject: Docket No. DMEA-3568 - Nine
Ernest Crouter
Klingerfeldt Property
Gaston County, North Carolina

Dear Mr. Lawrence:

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 December 17, 1954, and from the Bureau of Mines, dated January 11, 1955, are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

E. L. Newcomb
Member, Geological Survey

Enclosures 10

JHopkins:ad 1/17/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

December 9, 1954

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Report, DMEA-3568 (mica) Ernest Crowder, Spruce Pine, N. C. Lingerfeldt Property, Gaston County

Enclosed are four copies of the subject examination report and six extra copies of the map. Examination was made without referral to avoid extra travel.

We recommend approval of a contract as outlined in the report, on a unit-cost basis.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/sm
cc:
Beck
Lynch
Files

Reviewed by
DMEA OPERATING COMMITTEE
12-15-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD TEAM EXAMINATION REPORT, REGION VII

On

DMEA-3568, LINGERFELDT PROPERTY
(mica)
Gaston County, N. C.

BY

Lawrence E. Shirley, Mining Engineer
U. S. Bureau of Mines
D. H. Amos, Geologist
U. S. Geological Survey

November 30, 1954

DMEA OFFICE
12-15-54
(date)

FIELD EXAMINATION REPORT
ON
DMEA-3568, LINGERFELDT PROPERTY (mica)

Applicant: Ernest Crowder, Spruce Pine, North Carolina

Considerable mica of strategic quality has recently been revealed on this property in numerous shallow test pits sunk by the applicant. It is recommended that exploration assistance be granted. The proposed program of exploration should be somewhat modified.

The Lingerfeldt Property is 5 miles southeast of Cherryville, Gaston County, North Carolina and 1/4 mile west of the Huskins Mine (DMEA-1388X, Idm-E 77).

The property was examined on November 30, 1954. Mr. Ernest Crowder accompanied the examiners on the inspection which required one hour.

The applicant is competent to conduct the proposed exploration. Area under lease is adequate and no property lines are near the deposit. Access is via 1/4 mile of farm lanes which are passable to vehicles in dry weather.

The only workings on the property are a shaft reported to have been about 25 feet deep but now filled to within 8 feet of the surface and several shallow test pits most of which are now filled. Most of the pits were made in recent months by the applicant.

A thick semi-weathered pegmatite is exposed in the shaft and several of the test pits. Distribution of pits exposing pegmatite material suggests that the body is in excess of 30 feet thick and strikes about N. 50° E. Direction and amount of dip can not be determined from the limited scattered exposures but it is probably steep to the northwest. No country rock is exposed but abundant float of hornblende gneiss and mica-sillimanite schist is present. The pegmatite consist of kaolinized feldspar, quartz, muscovite and biotite, in order of abundance. Muscovite is more abundant, larger in size and of better quality in the vicinity of the existing shaft. Quartz is also more abundant in the pegmatite at this point.

The muscovite is ruby-colored, flat and free-splitting. The chief defect is the cracked character of the mica.

Necessary equipment, supplies and labor are either locally available or can be obtained from the Spruce Pine area.

The applicants proposed program of exploration is sound but needs minor modifications. It is recommended that a limited amount of bulldozing be done in order to better expose the pegmatite and to locate the most suitable shaft site. A 40-feet vertical shaft rather than the 60-foot one proposed by the applicant should be sufficient to adequately explore the pegmatite. A total of 50 feet of drift and/or crosscuts should then be driven

from the bottom of the shaft. No major water problem is anticipated. The shaft and possibly the level work will require timbering.

Estimated Costs are as follows:

Bulldoze a trench 50' x 20' x 5' deep, 12 hours @ $10/hr.		$120.00
Construct:		
Toolhouse	$75.00	
Powder Magazine	25.00	
Exploder "	13.00	113.00
Sink 40-foot, 5' x 7' vertical (or inclined if necessary) shaft on pegmatite-timbered (20 shifts)		
Labor:		
1 - Miner @ $1.50/hr.	$240.00	
1 - Hoistman @ $1.25/hr	200.00	
1 - Laborer @ $1.00/hr.	160.00	
Equipment (rental):		
Compressor, drill & pump @ $240/Mo.	240.00	
Hoist @ $50/Mo.	50.00	
Supplies:		
Timber 3000 b.f. @ $60/M	180.00	
Drill steel	50.00	
Explosives	100.00	
Pipe	50.00	
Gasoline & Oil	75.00	
Small tools	75.00	
Miscellaneous	100.00	
Insurance & Social Security	100.00	$1,620.00
Drive 30-foot 5' x 7' drift on pegmatite (30 shifts)		
Labor:		
1 - Miner @ $1.50/hr.	360.00	
1 - Hoistman @ $1.25/hr.	300.00	
2 - Laborer @ $1.00/hr.	480.00	
Equipment(rental)		
Compressor, drill, jackleg and pump @ $260/Mo.	390.00	
Hoist @ $50/Mo.	75.00	
Supplies:		
Timber, 2000 b. f. @ $60/M	120.00	

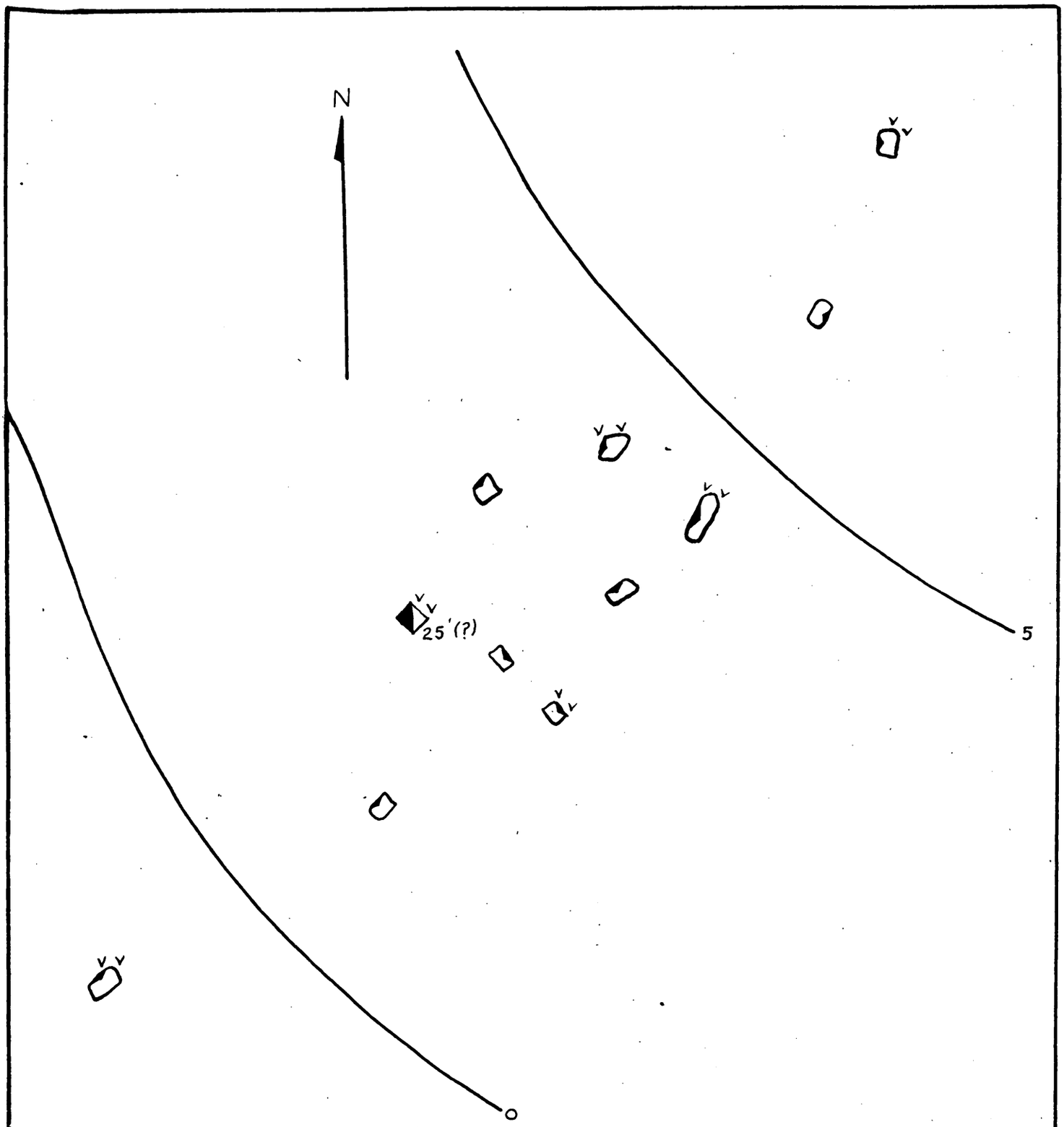
Supplies con'd.

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	$ 2,500.00

Estimated Total Cost of Project..... $ 4,353.00

November 30, 1954.

D. H. Amos, Geologist
U. S. Geological Survey
and
Lawrence E. Shirley, Mining Engineer
U. S. Bureau of Mines



SCALE

SKETCH OF
LINGERFELDT PROP.
GASTON CO., N.C.

DMEA-3568(mica)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 1 1955

January 11, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3568 (mica)

Applicant: Ernest Crowder

Name and Location of Property: Lingerfeldt Property
Gaston County, North Carolina

Date of Field Team Report: December 9, 1954

Date Rec'd. by Br. of Ceram. & Fert. Mat.: December 16, 1954

Field Team Recommendation:

1. Approval of contract.

Comments:

1. Ruby muscovite was found in the exposed pegmatite dike.

2. Mica is more abundant in vicinity of existing shaft.

3. Proposed plan of exploration is consistent with good engineering practices and costs are in line with other DMEA projects.

Recommendation:

I concur in the field team's recommendation for an exploration project in the amount of $4,353.

W. F. Dietrich

IN REPLY REFER TO:

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

December 17, 1954

Re: DMEA-3568
Ernest Crowder
(Lingerfeldt Property)
Gaston Co., N. C.
$4,353 - Mica

Memorandum

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

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

Subject: Recommendation for approval

The Field Team has recommended a project of 50 feet of trenching, a 40-foot shaft and 80 foot drift be approved.

Although the evidence of significant mica is limited, a staged exploration program appears to be geologically justified.

I recommend a two-stage project be approved. Stage I is to consist of trenching and Stage II the shaft and drift work. On the completion of Stage I, the results of the work should be appraised by the Field Team. The location of the shaft should be contingent upon the trenching results.

E. L. Newcomb

ELNewcomb:hlm
G-12/17/54

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

DEC 17 1954

Mr. Ernest Crowder

Spruce Pine, North Carolina

Re: Docket No. DMA-3568 - Mica
Ernest Crowder
Lingerfeldt Property
Gaston County, North Carolina

Dear Mr. Crowder:

Reference is made to your application for exploration assistance. The legal description of the Lingerfeldt property in your lease and Owner's Consent to lien which accompanied your application is inadequate for the purposes of an exploration project.

We are returning the copies of Owner's Consent to lien which you submitted with your application. You may type the legal description from Book of Deeds 166, Page 171, on the back of these forms and have the owners initial the description.

Sincerely yours,

Laurence C. Houk, Chief
Nonmetallic Minerals Division

Enclosures 7

JHopkins:ad 12/16/54
Copy to: Admr. R. File
Docket
Field Team, Region VII
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

DEC - 8 1954

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

Subject: Docket No. DMEA-3568 - Mica
Ernest Crouzier
Lingerfeldt Property
Gaston County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda from the Geological Survey, dated November 24, 1954, and from the Bureau of Mines, dated November 22, 1954, are enclosed for your information.

If the field examination indicates that the property warrants an exploration project, it will be necessary for you to prepare the required map of the land because no sketch accompanied the application.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 4

JHopkins:ad 12/6/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

DEC - 8 1954

Mr. Ernest Crouder

Spruce Pine, North Carolina

Re: Docket No. DMEA-1568 - Miss
Ernest Crouder
Lingerfeldt Property
Gaston County, North Carolina

Dear Mr. Crouder:

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. Lawrence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

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

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins:ad 12/6/54
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region VII
Mr. Killingsord, 5222
Mr. Dietrich, 9061
Mr. Louk

IN REPLY REFER TO:

Defense Minerals
NOV 30 1954

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

November 24, 1954

Re: DMEA-3568
Ernest Crowder
Gaston Co., N. C.
$5,900 - Mica

Memorandum

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

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

Subject: Review of application

The operator has requested exploration assistance for an unnamed prospect. The project involves sinking a 60-foot shaft and drifting 100 feet.

In its present form this application contains nothing that we can evaluate.

Although this application is poor, in all justice to it we have to admit that many others have been on a par with it. Most of these others have been referred to the Field Team. Under the circumstances, I believe we will save time in the long run if we send this one to the field for their review and recommendations.

E. L. Newcomb

ELNewcomb:hlm
G-11/24/54

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.

November 22, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3568 (mica)

Applicant: Ernest Crowder

Name and Location of Property: E. Crowder Prospect
Gaston County, North Carolina

Date Application Rec'd. by Ceramic & Fertilizer Mtls. Br.: 11/15/54

Comments:

1. Proposed exploration consists of sinking a 60-foot shaft and drifting 100 feet. No mention is made whether or not it is proposed to construct a new shaft or extend the existing small shaft.

2. Expenditures are estimated at $5,900.

3. It is difficult to determine from the information submitted by the applicant if an exploration project is justified or if the above plan would be the best way of explorating this property.

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