IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE E 1067 DMEA NO. 4537

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

closing Letters
Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
✓ Report of Review
✓ Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
✓ Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
✓ Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps

Right Side

✓ Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report (Tab)
✓ Operator's Final Report
✓ (2R) Interim Reports
✓ (2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/2	Anderson	600
5/2	[illegible]	600
5/5	Talbert	800
5/6	Selbridge	1200
5/6	[illegible]	110
	[illegible]	100
5/7	[illegible]	220
		600

MAY 7 1958

[illegible] Harris, Fred Hagan,
Fred [illegible] Ellis and Woodrow Sparks
Mocksville, North Carolina

[illegible] Contract No. [illegible]
[illegible] Harris, et al.
[illegible]-Lincoln Line
[illegible], North Carolina
Contract No. [illegible] 1067

Gentlemen:

Reference is made to your terminated or lapsed 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 [illegible] exploration program and participation therein are fully appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:rsi 5/1/58
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Operating Committee

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/5	Anderson	600
5/6	Houk	600
5/5	Talbut	800
5/6	Selfridge	120
5/6	Johnson	110
7	Mittendorf	100
		220

MAY 7 1958 600

Mrs. Dorothy L. Ellis

Bakersville, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Dear Mrs. Ellis:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on January 31, 1957.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

WCAnderson:rsi 5/5/58
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Operating Committee
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/2	Anderson	600
5/2	[illegible]	600
5/6	Talbot	800
5/6	[illegible]	170
5/6	Selbridge	120
5/7	Mittendorf	100
		220

MAY 7 1958 600

Mrs. Dora Ellis

Penland, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Dear Mrs. Ellis:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on February 11, 1957.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

WCAnderson:rsi 5/1/58
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Operating Committee
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/2	Anderson	600
5/2	Houk	600
5/5	Talbot	800
5/6	Sellers	120
5/6	Johnson	110
7	Mittendorf	200
		220

MAY 7 1958 600

Mr. and Mrs. Homer Ellis
1121 Myrtle Avenue
Charlotte 3, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Dear Mr. and Mrs. Ellis:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on February 11, 1957.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

WCAnderson:rsi 5/1/58
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Operating Committee
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/5	Anderson	600
5/5	Houk	600
5/5	Talbot	800
5/6	Selfridge	120
5/6	Ahmann	110
	Mittendorf	100
		220

600

MAY 7 1958

Mrs. Yvonne F. Ragan

Bakersville, North Carolina

Re: Docket No. DMEA-4537-~~Mica~~
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Dear Mrs. Ragan:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on January 31, 1957.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

Enclosure

WCAnderson:rsi 5/5/58
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Operating Committee
Mr. Houk

8623

Government's Copy

Bytin
Sawyer
Anderson
Hook
Talbot
Selfridge

TERMINATION AGREEMENT

It is agreed this 30th day of October, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Mitch-Lincoln Mining Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E1067, Docket No. DMEA-4537, dated March 11, 1957, as amended, hereinafter called the "Contract," that:

1. Effective October 16, 1957, 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 of the rights of the Government with respect to certification of discovery or development, percentage royalty and liens for its payment, records, audits, and recovery of any overpayment, 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 Frank E. Johnson
ACTING Administrator, Defense Minerals Exploration Administration

MITCH-LINCOLN MINING COMPANY

J. A. Burris, Partner
J. A. Burris

Brad Ragan, Partner
Brad Ragan

Fred R. Ellis, Partner
Fred R. Ellis

Woodrow Sparks, Partner
Woodrow Sparks

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 16 1957

DATE	INITIALS	CODE
12/16	Hook	

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Mitch-Lincoln Mining Company
c/o Brad Ragan
Spruce Pine, North Carolina

pertaining to Exploration Project Contract No. Idm-E1067, DMEA No. 4537, for the months of April 1957 to September 1957, inclusive, covering a project for the exploration of mica on property, known as the Mitch-Lincoln Mine located in Mitchell 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 correspondence, 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 fixed unit costs 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		$4,051.00
Exceptions:		
Prior to this review	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$4,051.00

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 thirty-eight and 25/100 Dollars

$3,038.25

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

E. D. Talbert, Auditor

November 6, 1957

MF-200A
(Rev. April 1956)

OFFICIAL FILE COPY
Government Copy
DMEA
RECEIVED APR 10 1957

DATE	INITIALS	CODE

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

DMEA No.	*Commodity*	*Contract No.*	*County*	*State*
4537	Mica	*Idm-E* 1067	Mitchell	North Carolina

It is agreed 11 MAR 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and MITCH-LINCOLN MINING COMPANY, a partnership composed of J. A. Burris, Brad Ragan, Fred R. Ellis, and Woodrow Sparks

whose mailing address is Bakersville, North Carolina

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) 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 Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before MAY 1 1957, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 8 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $6,856.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $5,142.00, in accordance with the provisions of Articles 4 and 5.

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

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: interests of the landowners.

(b) 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: Consent to Lien and Subordination Agreements of ~~two~~ owners.

(c) 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. 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. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(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 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 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. 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 will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *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 all pertinent books, documents, papers, and records of the Operator.

(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 6. *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 the Operator has rendered a sufficient final report (see Article 5), 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 (for example, if the Operator either transfers or fails to retain his interest in the land), 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, for 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, 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, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(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 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 7. *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 Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *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 the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *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 10. *Changes and added provisions.*—

.....

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.....

.....

.....

.....

Rubin
Dwyer
"Appd. Sol. Off."
Anderson
Hook
Chamberlin
Selfridge
Johnson

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C P Mitterdorf
Administrator, Defense Minerals Exploration Administration

MITCH-LINCOLN MINING COMPANY
(Operator)

By J A Burns **(Partner)**

By [illegible] **(Partner)**

By [illegible] Ellis **(Partner)**

By [illegible] **(Partner)**

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: 1956—O-383069

OFFICIAL FILE COPY
DMEA
RECEIVED APR 10 1957

DATE	INITIALS	CODE

EXPLORATION PROJECT CONTRACT
MITCH-LINCOLN MINING COMPANY
DOCKET NO. DMEA-4537

ANNEX I

The land referred to in Article 2 of the contract is known as the Mitch Lincoln Mine, and is composed of two areas covered by two separate leases, as follows:

1. A lease dated December 14, 1956, between Brad Ragan, Fred Ellis, J. A. Burris, and wives, and the Operator; and

2. A lease dated December 6, 1956, between Mrs. Dora Ellis, and Homer Ellis and wife, and Fred Ellis. A part of the latter area was subleased by Fred Ellis to the Operator by an instrument dated February 12, 1957.

The land is located on the east slope of Otter Knobs at an elevation of about 3,000 feet, and is 0.78 airline miles N. 85° W. of the intersection of State Highway 26 and the Penland road in Mitchell County, North Carolina. The land is shown on the attached Map No. 2, and is described as follows:

Ragan-Burris-Ellis Property

BEGINNING on a dogwood, now down, the Jane Young and Henry Gouge old corner, and runs south 104 poles to a cucumber tree, now gone; thence west 66 poles to a hickory; thence same course 40 poles to a walnut on top of the mountain; thence with the top of the mountain north 18 west 54 poles to the top of Arthur's Knob; thence north 24 east 8 poles to an apple tree; thence north 18 west 22 poles to a cliff of rocks; thence north 8 west 14 poles to a peach tree; thence north 21 west 20 poles to a stake; thence north 23 west 18 poles to a stake; thence north 7 west 31 poles to a peach tree; thence north 16 east 45½ poles to a double locust, Jarrett's corner; thence with said Jarrett's line north 77 east 61 poles to a hickory, W. G. Norman's corner; thence with said Norman's line east 22 poles to a stake; thence north 49 east 44 poles to a small oak; thence south 33 east 26 poles to a black gum tree; thence north 61 east 18 poles to a stake; thence north 87 east 16 poles to a bunch of chestnuts, J. J. Connelly's corner in W. G. Norman's line; thence with said Connelly line south 7 east 16 poles to a chestnut oak, Sarah Willis corner in J. J. Connelly's line; thence south 83 west 37 poles to a chestnut tree near top of ridge; thence south 9 west 78 poles to a white

oak, Mack Pitman's corner; thence west 20 poles to the BEGINNING, and containing 104 acres, more or less.

Ellis Property

BEGINNING on a hickory tree, the same being the third corner in that certain described tract of land leased by Brad Ragan et als to Mitch-Lincoln Mining Company, dated December 14, 1956, same being 40 poles east of the top of the mountain, and runs west toward the top of the mountain 20 poles to a stake; thence south 20 poles to a stake; thence east 58 poles to a stake; then north 20 poles to a stake; thence west 38 poles to the BEGINNING.

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E-1067
Contract Date 11 MAR 1957

RECEIVED
APR 10 1957
D.M.E.A.

CONSENT TO LIEN and SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described as follows: 2/ In Snow Creek Township, and BEGINNING on a dogwood, now down, the Jane Young and Henry Gouge old corner, and runs south 104 poles to a cucumber tree, now gone; thence west 66 poles to a hickory; thence same course 40 poles to a walnut on top of the mountain; thence with the top of the mountain north 18 west 54 poles to the top of Arthur's Knob; thence north 24 east 8 poles to an apple tree; thence north 18 west 22 poles to a cliff of rocks; thence north 8 west 14 poles to a peach tree; thence north 21 west 20 poles to a stake; thence north 23 west 18 poles to a stake; thence north 7 west 31 poles to a peach (See reverse hereof for continuation of description), which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

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

2/ 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.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 31st day of January, 1957.

[illegible]	[Seal]	[Address]
Yvonne F. Hogan	[Seal]	[Address]
[illegible]	[Seal]	[Address]
Dorothy L. Ellis	[Seal]	[Address]
J. A. Burns	[Seal]	[Address]
	[Seal]	[Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____
[Corporate Seal]

(Continuation of description)
tree; thence north 16 east 45½ poles to a double locust, Jarrett's corner; thence with Jarrett's line north 77 east 61 poles to a hickory, W. G. Norman's corner; thence with said Norman's line east 22 poles to a stake; thence north 49 east 44 poles to a small oak; thence south 33 east 26 poles to a black gum tree; thence north 61 east 18 poles to a stake; thence north 87 east 16 poles to a bunch of chestnuts, J. J. Connelly's corner in W. G. Norman's line; thence with said Connelly line south 7 east 16 poles to a chestnut oak, Sarah Willis corner in J. J. Connelly's line; thence south 83 west 37 poles to a chestnut tree near top of ridge; thence south 9 west 78 poles to a white oak, Mack Pitman's corner; thence west 20 poles to the BEGINNING, and containing 104 acres, more or less.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 10 1957

DATE	INITIALS	CODE

EXPLORATION PROJECT CONTRACT
MITCH-LINCOLN MINING COMPANY
DOCKET NO. DMEA-4537

EXHIBIT A

Description of the Work

1. Construct:

(a) A toolhouse, minimum dimensions 7 feet by 8 feet by 10 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 unfloored, shall be made from rough, 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 lumber; and shall be braced at the corners. No metal shall be exposed; and the lids or doors shall be equipped with the equivalent of a 5-tumbler jarproof lock.

2. Sink approximately but not more than 80 feet of an inclined or vertical two-compartment shaft at the location indicated on the attached Map No. 1 entitled "Mitch Lincoln Mine, Mitchell County, North Carolina, DMEA-4537 (Mica)," (See footnote).

3. Explore the pegmatite by driving from or near the bottom of the shaft, not more than 100 feet of drifts and/or crosscuts.

The shaft and the drifts and/or crosscuts shall be timbered as necessary, and shall have minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

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

Fixed Unit Costs

1.	Construct -	Toolhouse 1/	$76.00	
		Powder Magazine 1/	25.00	
		Exploder Magazine 1/	15.00	$116.00
2.	Sink 80 feet of shaft @ $43.00/ft.			3,440.00
3.	Drive 100 feet of drifts and/or crosscuts @ $33.00/ft.			3,300.00
		Estimated Total Cost of Project		$6,856.00
		Government Participation @ 75%		$5,142.00

1/ The completed work constitutes the unit.

(Footnote: Sink shaft from the bottom of the existing 15 foot shaft.)

OFFICIAL FILE COPY
DMEA
RECEIVED APR 10 1957

DATE	INITIALS	CODE

MF-205
(Combines and supercedes MF-[illegible] and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E 1067
Contract Date 11 MAR 1957

RECEIVED APR 10 1957 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described as follows: 2/

BEGINNING on a hickory tree, the same being the third corner in that certain described tract of land leased by Brad Ragan et als to Mitch-Lincoln Mining Company, dated December 14, 1956, same being 40 poles east of the top of the mountain, and runs west toward the top of mountain 20 poles to a stake; thence south 20 poles to another stake; thence east 58 poles to another stake; then north 20 poles to a stake; thence west 38 poles to the BEGINNING.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

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

2/ 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.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 11th day of February, 1957.

Mrs Dora Ellis	[Seal]	Penland, N. C.	[Address]
Homer R. Ellis	[Seal]	1121 Myrtle Avenue	[Address]
Dora B. Ellis	[Seal]	Charlotte 3, N. C.	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____ [Corporate Seal]

NORTH CAROLINA

MITCHELL COUNTY

SUBLEASE

THIS SUBLEASE AGREEMENT made and entered into this the 12th day of February 1957 by and between FRED R. ELLIS, party of the first part, and MITCH-LINCOIN MINING COMPANY, party of the second part;

WITNESSETH:

That whereas the party of the first part has leased certain property for mining purposes from Mrs. Dora Ellis, Widow, and Homer Ellis and wife Nora Ellis under a lease dated December 6th, 1956, said property consisting of two tracts as described in said lease and being situated in Snow Creek Township, Mitchell County, North Carolina;

And whereas the party of the second part has now made application for an exploration loan on certain adjoining property located to the north of the hereinafter described lands;

And whereas the party of the first part desires to sublease a portion of the property he has heretofore leased under the terms of the said lease hereinabove referred to;

NOW THEREFORE in consideration of the payments of royalty to be made as called for in said lease, the said party of the first part in further consideration of the sum of ONE DOLLAR does hereby sublease the following portion of said tracts of land unto the said party of the second part subject to the terms and conditions of said lease until the 6th day of December 1961:

> BEGINNING on a hickory tree, the same being the third corner in that certain described tract of land leased by Brad Ragan et als to Mitch-Lincoln Mining Company, dated December 14, 1956, same being 40 poles east of the top of the mountain, and runs west toward the top of the mountain 20 poles to a stake; thence south 20 poles to a stake; thence east 58 poles to a stake; then north 20 poles to a stake; thence west 38 poles to the BEGINNING.

IN WITNESS WHEREOF, said party of the first part has hereunto set his hand and seal this the 12th day of February 1957.

Fred R. Ellis (SEAL)

NORTH CAROLINA

LINCOIN COUNTY

I, Merle D. Reams, Notary Public, hereby certify

LAW OFFICE
WARREN H. PRITCHARD
SPRUCE PINE, N. C.

that Fred R. Ellis personally appeared before me this date and acknowledged the due execution of the foregoing sublease for the uses and purposes therein expressed.

Witness my hand and notarial seal this the 12th day of February 1957.

Macie D. Beaman
Notary Public

My commission expires: 5-6-57.

LAW OFFICE
WARREN H. PRITCHARD
SPRUCE PINE, N. C.

MINING LEASE

State of North Carolina Mitchell County:

This indenture made this 6th day of December, 1956

between Mrs. Dora Ellis, Widow, and Homer Ellis and wife Nola Ellis

of Mitchell County and State of North Carolina as party of the first part, and known

as lessors, and Fred R. Ellis

of Lincoln County and State of North Carolina, party of the second part and known

as lessee.

WITNESSETH, That the parties of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessors, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written to wit:

Being situated in Snow Creek Township and being that 48 acre tract of land conveyed by John Willis and wife to Byrd Ellis by deed dated December 1, 1919 and of record in Book 77 of Deeds at page 390, Mitchell County registry; and also that certain 15 acre tract of land conveyed by John Willis and wife to Byrd Ellis and wife Dora Willis by deed dated October 24, 1907 and recorded in Book #57 of Deeds at page 177, Mitchell County registry, but excepting however out of the two tracts above described the 9 acre tract heretofore conveyed to W. E. Dibbell, and the 11 acre tract conveyed to Pat Young and wife (See Deed Book 109 at page 381, Mitchell County registry).

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry, search, explore ~~for,~~ obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part ~~is to have the use of any unoccupied buildings on said lands for mining purposes, and that he~~ shall have the right to erect such buildings as he needs to carry on such mining operations during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have the right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have the right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

N.R.E.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said parties of the first part, or his or their heirs or assigns, a rental royalty of 1/8th of the selling price where sold on all mica, and any kind of minerals, metals or fossils,

~~on the minerals~~ taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

N.R.E.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. ~~The option shall be exercised by giving formal written notice to the party of the first part or by the continuation of any mining operation then being conducted.~~ The lessors reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

N.R.E.

~~AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real estate described and set forth in this lease for a total purchase price of , said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.~~

N.R.E.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessors. The lessee agrees that during the period of this lease or the continuance of this lease work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:

Mrs Dora Ellis (Seal)

Homer Ellis (Seal)

Nola Ellis (Seal)

Fred R. Ellis (SEAL)

48
6
11
1/5

NORTH CAROLINA
MITCHELL COUNTY

I, Clyde Pritchard, Justice of the Peace, hereby certify that Dora Ellis, widow, personally appeared before me this date and acknowledged the due execution by her of the foregoing MINING LEASE for the uses and purposes therein expressed.

Witness my hand and seal this the 6th day of December 1956.

Clyde Pritchard
Justice of the Peace

NORTH CAROLINA
LINCOLN COUNTYZ

I, Marie D Beaman Notary Public, hereby certify that Fred R. Ellis personally appeared before me this date and acknowledged the due execution by him of the foregoing MINING LEASE for the uses and purposes therein expressed.

Witness my hand and notarial seal this the 12th day of December 1956.

Marie D Beaman
Notary Public

My commission expires: 5-6-57

NORTH CAROLINA
MECKLENBURG COUNTY

I, E. J. Funderburk, Notary Public, hereby certify that Homer Ellis and wife Nora Ellis, personally appeared before me this date and acknowledged the due execution by them of the foregoing MINING LEASE for the uses and purposes therein expressed.

Witness my hand and notarial seal this the 13th day of December 1956.

E. J. Funderburk
Notary Public

My commission expires:

NOTARY PUBLIC
Mecklenburg County, N. C.
My Commission Expires August 2, 1957

NORTH CAROLINA

MITCHELL COUNTY MINING LEASE

THIS AGREEMENT OF LEASE, made this the 14th day of December 1956 by and between BRAD RAGAN and wife YVONNE RAGAN of Mitchell County, North Carolina, FRED ELLIS and wife MRS. FRED ELLIS and J. A. BURRIS and wife MRS. J. A. BURRIS of Lincoln County, North Carolina, parties of the first part and known as LESSORS, and MITCH-LINCOLN MINING COMPANY, party of the second part, and known as LESSEE;

WITNESSETH:

That the parties of the first part in consideration of ONE DOLLAR and other valuable consideration in hand received and hereby acknowledged by the lessors and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargain, lease and grant to the party of the second part and its assigns, for the period of five years from the date of this agreement, the following described real property for mining purposes, said lands being located in Snow Creek Township, Mitchell County, North Carolina, and described as follows:

BEGINNING on a dogwood, now down, the Jane Young and Henry Gouge old corner, and runs south 104 poles to a cucumber tree, now gone; thence west 66 poles to a hickory; thence same course 40 poles to a walnut on top of the mountain; thence with the top of the mountain north 18 west 54 poles to the top of Arthur's Knob; thence north 24 east 8 poles to an apple tree; thence north 18 west 22 poles to a cliff of rocks; thence north 8 ~~poles~~ west 14 poles to a peach tree; thence north 21 west 20 poles to a stake; thence north 23 west 18 poles to a stake; thence north 7 west 31 poles to a peach tree; thence north 16 east 45½ poles to a double locust, Jarrett's corner; thence with said Jarrett's line north 77 east 61 poles to a hickory, W. G. Norman's corner; thence with said Norman's line east 22 poles to a stake; thence north 49 east 44 poles to a small oak; thence south 33 east 26 poles to a black gum tree; thence north 61 east 18 poles to a stake; thence north 87 east 16 poles to a bunch of chestnuts, J. J. Connelly's corner in W. G. Norman's line; thence with said Connelly line south 7 east 16 poles to a chestnut oak, Sarah Willis corner in J. J. Connelly's line; thence south 83 west 37 poles to a chestnut tree near top of ridge; thence south 9 west 78 poles to a white oak, Mack Pitman's corner; thence west 20 poles to the BEGINNING, and containing 104 acres, more or less.

TO HAVE AND TO HOLD the said lands to the said Mitch-Lincoln Mining Company for mining purposes and its assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry,

LAW OFFICE
WARREN H. PRITCHARD
SPRUCE PINE, N. C.

search, explore for, obtain and remove any kinds of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said lessee may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that it shall have the right to erect such buildings as it needs to carry on such mining operations during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have the right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. Timber of high or special market value is excepted and shall not be used by the lessee. And it is hereby agreed that the party of the second part is to have the right of way of ingress and egress to said mines or land upon which exploration is being conducted.

It is agreed that there shall be no royalty payments due to lessors as they are members of the partnership of Mitch-Lincoln Mining Company except for Woodrow Sparks and it is agreed that he shall not be liable for any royalty payments due to the condition that he is to render technical service and advice in connection with mining operations on the above described lands and he has joined in the execution of this lease to show that he will render such advice and service when the same is required by the other members of this partnership.

And it is further agreed that the lessee and its assigns shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination, said option to be exercised by giving formal written notice to the lessors 30 days prior to the termination of the first five year period.

The lessors reserve the right to use the land or to convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that it may sublease.

But it is expressly agreed that unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from date of this instrument, the lease may be terminated by the lessee at any time thereafter on 30 days notice to lessors. The lessee agrees that during the period of this lease or the continuance of this lease work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

Witness our hands and seals this the day and year first above written.

Fred Rogers (SEAL)
Yvonne Ragan (SEAL)
J A Burris (SEAL)
Mrs J. A. Burris (SEAL)
Fred R Ellis (SEAL)
Mrs Fred R. Ellis (SEAL)
MITCH-LINCOLN MINING COMPANY (SEAL)
By Fred R Ellis (SEAL)
Partner
Woodrow Sparks (SEAL)

LAW OFFICE
WARREN H. PRITCHARD
SPRUCE PINE, N. C.

NORTH CAROLINA

MITCHELL COUNTY

I, Kathleen Miller, Notary Public, hereby certify that Brad Ragan and wife Yvonne Ragan personally appeared before me this day and acknowledged the due execution of the foregoing MINING LEASE.

Witness my hand and notarial seal this the 14th day of December 1956.

My comm. expires: 4/1/57 Kathleen Miller
Notary Public

NORTH CAROLINA

MITCHELL COUNTY

I, Clyde Pritchard, Justice of the Peace, herbby certify that Woodrow Sparks personally appeared before me this date and acknowledged the due execution of the foregoing MINING LEASE.

Witness my hand and seal this the 14th day of December 1956.

Clyde Pritchard
Justice of the Peace

NORTH CAROLINA

LINCOLN COUNTY

I, Macie D Beaman, Notary Public, hereby certify that Fred Ellis and wife Mrs. Fred Ellis and J. A. Burris and wife Mrs. J. A. Burris and _____, as partner of Mitch-Lincoln Mining Company, for and in behalf of said partnership personally appeared before me this date and acknowledged the due execution of the foregoing MINING LEASE for the uses and purposes therein expressed.

Witness my hand and notarial seal this the 17th day of December 1956.

Macie D Beaman
Notary Public

My commission expires: 5-6-57

MF-103
(Revised April 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED NOV 13 1956 D.M.E.A.

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

Not to be filled in by applicant

Docket No. 4537
Metal or Mineral Mica
Date Received 11-13-56
Estimated Cost $8,800
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Mitch-Lincoln Mine, Bakersville, N. C. Partners - J. A. Burris, Brad Ragen, Fred R. Ellis, and Woodrow Sparks

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Ragen, Burris, and Ellis property recorded in Book #119 page #194 Mitchell County, Bakersville, N. C.

(*b*) State any mine name by which the property is known. Mitch-Lincoln Mine

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

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

(*e*) If you own the land, describe any liens or encumbrances on it No. Encumbrances

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

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

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

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

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

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

RECEIVED NOV 5 - 1956 Knoxville, Tenn.

16—66551-1

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

(b) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. (See sketch attached)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated 11/1/56, 195...

Joseph Ellis Porter
(Applicant)

By.....

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

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

4. PHYSICAL DESCRIPTION:

(a) Mr. Woodrow Sparks, who has in the past been a partner in the PHILLIP'S MINE, found an old vain that had been worked many years ago. This work was very minor as a hole of approximately 4' had been dug. It is not known by whom, or when, this work was done. The vain is approximately 6' wide, and we have built a road to same and worked approximately two weeks to be sure that the mine will produce the right kind of Mica. There is an old mine on this property that is known as the STEWART MINE, and we used a bulldozer for approximately two days to excavate the land where mining could be done. However, at this time we do not anticipate opening this vain until the first one described has been thoroughly explored.

It is possible to drive a car to the mine on a good day. However, I would suggest using a jeep which can be obtained at Paul Ellis's store at Ledger, about two miles from the mine.

(b) The past production since the mine has just been opened up has been none. However, from the amount of work we have done a large amount of mica has been obtained to be as near the surface as we have been working. The grade has been very good - the same grade as the PHILLIP'S MINE was graded, according to our partner Mr. Woodrow Sparks.

(c) The reason we wish to explore this vain is that it is the same type of running vain as the PHILLIP'S MINE, and from all of the technical information from Mr. Sparks, who has mined all of his life, and others, it looks like there is a good possibility of finding a very productive mine.

(d) This mine is located about five (5) miles from Spruce Pine, and is accessible by road.

(e) We have rented an Air Compressor, and have the other materials necessary to begin the project. We also have all of the experienced man power needed for exploring or mining.

5. THE EXPLORATION PROJECT

(c) The work will begin as soon as application has been approved and will continue as long as necessary to thoroughly explore the project. It is believed a shaft should be run 80' deep with 60' headings each way.

(d) Mr. Woodrow Sparks will be the mine foreman and will have full control of the operation. He has mined all of his life and is better known for his operation of the PHILLIP'S MINE for three to four years.

6. ESTIMATE OFCOSTS

(a) None

(b) Approximately four to five men with wages ranging from $1.00 to $1.50 per hour.

(c) All materials and supplies necessary to open and operate a mine in a rock vain.

(d) Air Compressor rented, Hoist rented for preliminary work and to be purchased when it can be determined whether or not the operation is profitable.

(e) None

(f) None

(g) None

(h) Insurance - approximately $1200.00 a pear for four employees. Work performed prior to date of contract will amount to around $2,000.00

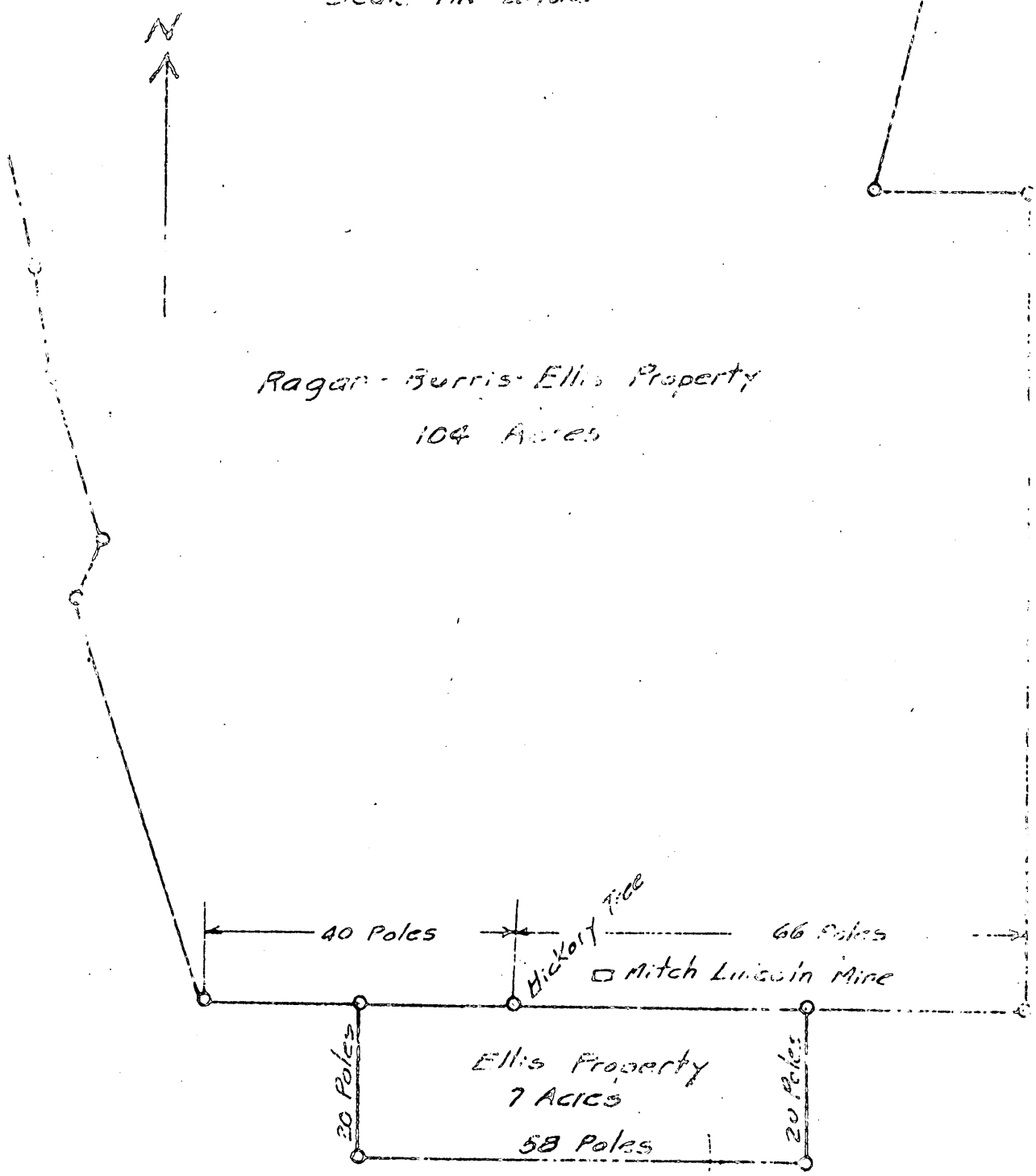
7. (a) We are prepared to furnish our part of the money for the project.

COST SCHEDULE:

It is estimated that the cost will run about $50.00 per foot for shaft, and $40.00 per foot for headings. This will come to a total cost of approximately $8,800.00.

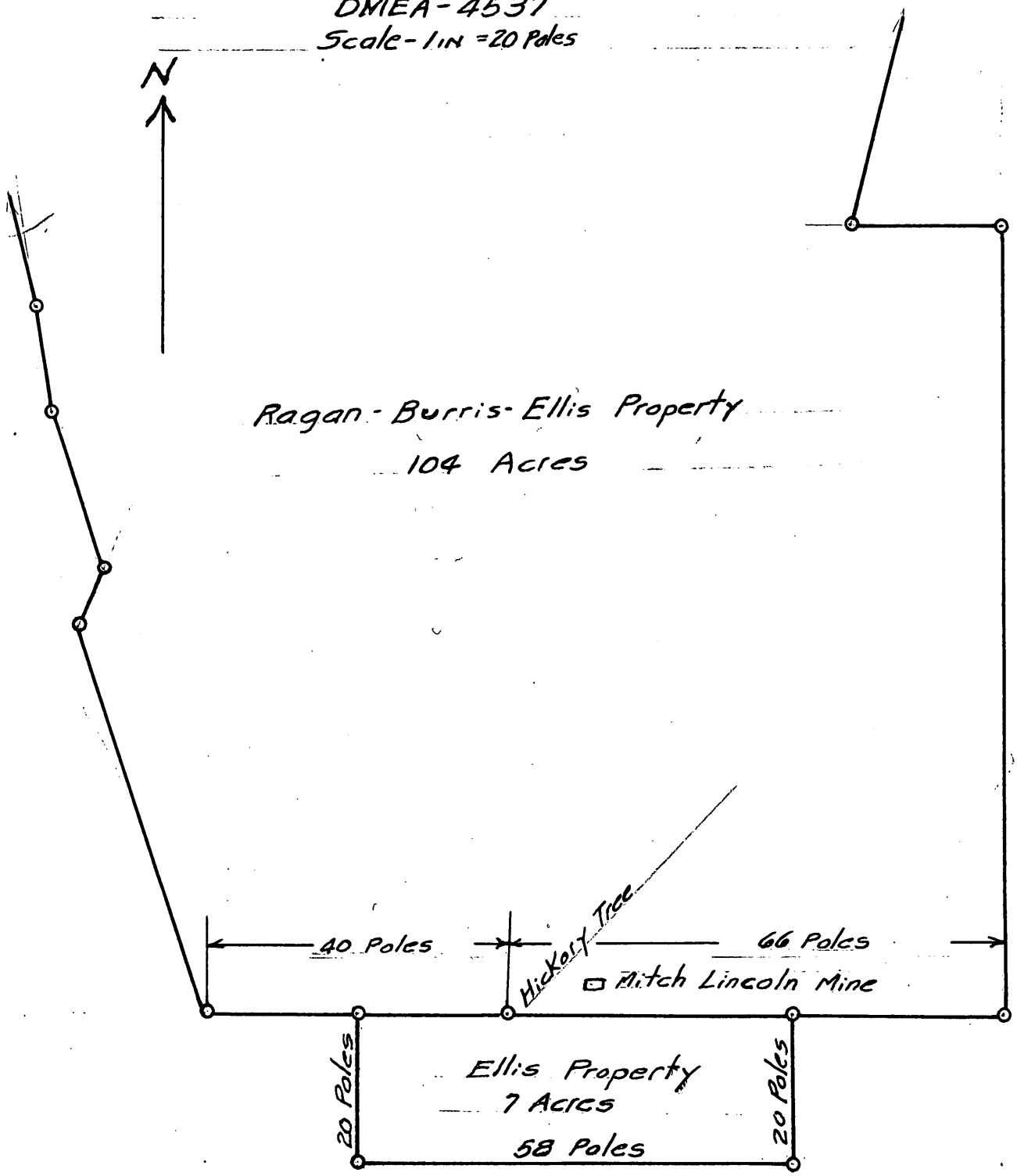
We have built the road and have the shaft about 12' deep 5 x 7 in order that a better inspection and appraisal can be made.

J.A. BURRIS, et al
MITCH LINCOLN MINE
ONC A-4537
Scale - 1 in = 20 Poles



MAP No. 6

J.A. BURRIS, et al
MITCH LINCOLN MINE
DMEA-4537
Scale-1 IN = 20 Poles



MAP NO. 2

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Mr. Ellis 4443 Ins.	RUN STOP		RUN STOP
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Send surplus envelopes to supply room for reissue.

Use other side

Use RUN and STOP only when messenger service between Government buildings in Washington is required. Your mail room has RUN and STOP information.

NAME OR TITLE

DRESS, AND ROOM

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Use other side first

Form 7
56)

OFFICIAL FILE COPY

Date	Surname	Code
5/2	Anderson	600
5/2	Spark	600
		110
		100
		220

600

May 1, 1958

Project Summary Report

By: Walter C. Anderson, Division of Nonmetallic Minerals

1. Docket No. DMEA-4537-Mica
Contract No. Idm-E1067
Mitch-Lincoln Mine
Mitchell County, North Carolina

Application: Form MF-103(April 1952) received November 13, 1956.
Work proposed by Applicant:

80 feet of shaft @ $50.00/ft.	$4,000.00
120 feet of drift @ $40.00/ft.	4,800.00
Total amount requested	$8,800.00

Operators: Mitch-Lincoln Mining Co., partnership composed of J. A. Burris, Brad Ragan, Fred R. Ellis, and Woodrow Sparks: Bakersville, North Carolina

Operator's Property rights:

(a) Five year mining lease from the owner to Fred R. Ellis on the Ragan-Burris-Ellis Property consisting of 104 acres, dated December 14, 1956.

(b) Five year mining lease from the owners to Fred R. Ellis on the Homer Ellis, et al. property, consisting of 7 acres, dated December 6, 1956.

(c) Sublease agreement between Fred R. Ellis and Mitch-Lincoln Mining Company, dated February 12, 1957.

(d) Consent to Lien and Subordination Agreement, dated January 31, 1957.

(e) Consent to Lien and Subordination Agreement, dated February 11, 1957.

2. Contract: Form MF-200A(April 1956), dated March 11, 1957.
Work authorized:

Construction - toolhouse, powder & exploder magazine	$116.00
80 feet of shaft @ $43.00/ft.	3,440.00
100 ft. of drifts and/or crosscuts @ $33.00/ft.	3,300.00
Estimated total cost of project	$6,856.00
Government participation @ 75%	$5,142.00

Amendments: None.
Work completed:

Construction - toolhouse, powder & exploder magazines	$116.00
80 feet of shaft @ $43.00/ft.	3,440.00
15 feet of drifts @ $33.00/ft.	495.00
Total accepted cost	$4,051.00
Government participation @ 75%	$3,038.25

Contract work started April 1, 1957, and was terminated by mutual consent, short of completion, on October 20, 1957. Field Team Final Report received April 7, 1957. Operator's Final Report received November 4, 1957. No equipment purchased under contract.

Sales of mica during project:
3630 lbs. of scrap
1860 lbs. of hand-cobbed block
23.5 lbs. of full-trim sheet

Value	$227.41
Royalty paid	$11.37

3. Audit: Report of Review issued November 6, 1957.

Total accepted cost	$4,051.00
Government participation	$3,038.25

4. Certification of Discovery - None issued.

5. Comments:

How conducted: All of the work in which the Government participated was acceptable.

Operation: Operator conformed in general but was uncooperative in constructing an adequate manway and supplying information on mica recovery.

Engineering: Reporting by Operator was acceptable.

Geologic Premise: The indications at the surface for a promising pegmatite proved to be worthless at shallow depth.

Geologic Criteria upon which work was based:

1. Pegmatite: Strong dike-like pegmatite exposed intermittently over a strike length of at least 200 feet, plus or minus 6 feet thick, zoned, concordantly emplaced in well banded fine grained hornblende gneiss. Composed of perthite, mixture of snow-white, medium to coarse grain albite oligoclase, disseminated quartz, and muscovite which accounts for 15% of the zone.

2. Mica: Greenish-brown, essentially flat, occasionally locky, reeved, and edge cracked. Occasional biotite and/or iron oxide intergrowths. Flat, clear mica is well above average.

Geologic Criteria developed during project:

1. Pegmatite: Irregular, tabular-shaped, 6 to 15 feet thick, intermittently exposed for several hundred feet along strike. Conformably emplaced in interlayered quartz-biotite-muscovite gneiss and hornblende schist and gneiss. Discontinuously zoned, composed of perthite, medium to coarse-grained oligoclase, interstitial quartz and muscovite.

2. Mica: Brownish green, essentially flat, locky, reeved, and edge-cracked. Sparse occurrence.

Future Possibilities: None, since the mica content is marginal and decreasing in quantity and quality in depth.

Recommendations: No muscovite was found in sufficient quantity or quality to justify certification, which fact was established before completion, therefore the Field Team recommends no certification. The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson

Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 5/1/58
Copy to: Admr. R. File ; Mr. Houk

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/3	Anderson	600
6/3	Houk	600
		220

600

June 3, 1958

Memorandum to the Files

Subject Closing letters - DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

A study of the docket indicates that Mrs. Yvonne F. Ragan is the wife of Brad Ragan and Mrs. Dorothy L. Ellis is the wife of Fred R. Ellis. The attached letters have been returned for better addresses.

We believe that further correspondence will not develop better addresses, and that the above mentioned wives have been informed by their husbands.

Walter C. Anderson

Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 6/3/58
Copy to: Mr. Houk
Admr. R. File

8623

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

MAY 7 1958

Mrs. Yvonne F. Ragan

Bakersville, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Dear Mrs. Ragan:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on January 31, 1957.

Sincerely yours,

O. Mitterdorf

Administrator

Enclosure

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

600

MAY 7 1958

Messrs. J. A. Burris, Brad Ragan,
Fred R. Ellis and Woodrow Sparks
Bakersville, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Gentlemen:

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 DMEA exploration program and participation therein are fully appreciated.

Sincerely yours,

C. Mattessons

Administrator

Mrs. Yvonne F. Ragan

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

MAY 7 1958

Mrs. Dorothy L. Ellis

Bakersville, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Dear Mrs. Ellis:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on January 31, 1957.

Sincerely yours,

C. Mitteccorf

Administrator

Enclosure

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

MAY 7 1958

Messrs. J. A. Burris, Brad Ragan,
Fred R. Ellis and Woodrow Sparks
Bakersville, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Gentlemen:

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 DMEA exploration program and participation therein are fully appreciated.

Sincerely yours,

C. Mittendorf

Administrator

Mrs. Dorothy Ellis

DMEA
RECEIVED APR 22 1958
DATE | INITIALS | FILE
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600

IN REPLY REFER TO:

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

Memorandum

April 21, 1958

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

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of Field Team Final Report, Docket DMEA 4537, Mitch-Lincoln Mining Company, Mitchell County, North Carolina.

The Field Team reports that contract work consisted of 83 feet of inclined shaft sunk from the bottom of a vertical shaft, and 15 feet of drift driven to the southwest from the inclined shaft. All work was in pegmatite that showed a progressive decrease in the quality and quantity of contained mica as it was followed down the plunge. As findings became progressively less and less favorable, it was finally decided to terminate the contract short of completion of the work.

Field examiners recommend that a certification not be issued to the operator and I concur.

T. H. Kiilsgaard

T. H. Kiilsgaard

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

April 10, 1958

OFFICE FILE COPY
DMEA
RECEIVED APR 11 1958

DATE	INITIALS	CODE
4-11	C	226
4-11	Hawk	600

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4537 (mica)

Applicant: Mitch-Lincoln Mining Co.

Name and Location of Property: Mitch-Lincoln Mine, Mitchell County, N. C.

Contract Number: Idm-E 1067

Date of Field Team Report: 4/4/58

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 4/8/58

Field Team Recommendation: Recommend that this property not be certified.

Comments:

1. Initial exploratory work resulted in production of a fair quantity of good-grade mica.

2. Under DMEA contract Idm-E 1067 shaft sinking and drifting in the amount of $6,856 was approved.

3. Work was terminated at request of applicant after 80 feet of shaft and 15 feet of drift were driven. Muscovite decreased in quantity and quality down dip in pegmatite.

4. Muscovite was not found in sufficient quantity to justify certification.

5. Expenditures:

Total approved	$6,856.00
Total cost	4,051.00
Gov't. share of cost	3,038.25
Value of production during operation	227.41
Royalty paid to date	11.37

Recommendation:

I concur with the recommendation of the field team that certification not be granted.

W. F. Dietrich

W. F. Dietrich

Operating Committee

RECEIVED APR 9

4/9		226
4/11		OCC

April 4, 1958

Mr. Fred R. Ellis
Mitch-Lincoln Mining Company
P. O. Box 31
Lincolnton, North Carolina

Re: Docket No. DMEA-4537
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Dear Mr. Ellis:

In your final report, dated October 8, 1957 you indicated that $109.81 worth of mica had been sold and that $117.50 worth remained to be sold. Royalty of 5% on the total of these two figures has been received.

If the estimated $117.50 worth has been sold, please send me a copy of the sales slip, plus payment of 5% of any value over $117.50 which may have been received. Also, if any minerals, other than the above $227.41 worth have been mined from the contract area since March 11, 1957, their value is also subject to royalty payment as provided in article 6(b)(1) of the contract.

Very truly yours,

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

RAL/mg
cc - Operating Committee (2)
Mr. V. J. Lynch
File

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. ~~HC~~	CBW	4/10
2. ~~HC~~		
3. ~~2 CC~~		
4. 6CC	Hook	4/14
5.		
FROM:		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

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

April 4, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED APR 7 1958

DATE		
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"	Fe	110
4/9	2b	130
4/10	C	220
"		66

Memorandum

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

From: Field Team, Region V, Knoxville, Tennessee

Subject: Docket No. DMEA-4537, Contract No. Idm-E1067 (Mica)
Mitch-Lincoln Mining Company, Bakersville, N. C.
Mitch-Lincoln mine, Mitchell County, North Carolina

Enclosed are the original and two copies of the subject report.

We agree that no significant discovery has been made, and do not recommend certification.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

Enclosures 3

Reviewed by
DMEA OPERATING COMMITTEE
4-9-58
(date)

Field Team Final Rpt

4/9 26 130
220

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

Field Team Region V

DMEA-4537, Idm-E1067 (mica) MITCH-LINCOLN PROS.
Mitchell County, North Carolina

S. C. Bergman and F. G. Lesure, Geologists
Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

April 4, 1958

Reviewed by
DMEA OPERATING COMMITTEE
4-9-58
(date)

DMEA EXPLORATION PROJECT

FINAL REPORT

FIELD TEAM-REGION V

DMEA-4537, Idm-E1067(mica) MITCH-LINCOLN PROS.

Operator: Mitch-Lincoln Mining Company, c/o Woodrow Sparks, Bakersville, North Carolina

SUMMARY

From the bottom of a 23-foot vertical shaft, 83 feet of inclined shaft was driven to the south-southwest, along and near the keel of a thick contorted, mica-bearing pegmatite. From the shaft bottom, 15 feet of drift was driven to the southwest, at which point termination of the contract was requested and granted. The incline work was marked by a progressive decrease in the quantity and particularly in the quality of the recovered muscovite, as it progressed down the plunge of the structure. At the drift level, pegmatite became extremely contorted and structurally complicated. The combination of conditions indicated at that point that continuation of the contract work would not be practical. No muscovite was found in sufficient quantity or quality to justify a recommendation for certification of discovery.

INTRODUCTION

Location

The Mitch-Lincoln pegmatite is exposed on the steep, heavily wooded east slope of Otter Knob at an elevation of approximately 3000 feet. It is 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland road in Mitchell County, N.C. (Spruce Pine, N.C. Quad.USGS-TVA Ed 1934,1:24,000).

Previous Work

At the time of examination, the Operator had recently exposed a 6-foot-thick-mica-rich pegmatite, and had sunk a vertical shaft 15 feet into the structure. The pegmatite appears to be (and undoubtedly is) the northern extension of a thick feldspathic structure exposed about 100 feet to the south. Between the

examination and the date of the contract, the Operator deepened the original shaft to a depth of 23 feet. The Operator recovered a total of 700 pounds of block muscovite from the initial shaft work and an unknown amount from the intermediate work, none of which is subject to royalty payment.

Contract Work

Contract work started April 1, 1957 and was terminated short of completion October 30, 1957, while actual work ceased on or about October first. From a vertical depth of 23 feet in the shaft, 83 feet of incline (3 ft. at Operator's expense) followed the plunge of the pegmatite keel to the south-southwest. The upper part of the shaft is inclined at -60°, leveling to -30° about 15 feet from the starting point. The shaft holds that inclination until about 15 feet from the bottom, where it again steepens to -40°. The first 25 feet of incline was driven S35°W and the remainder in a S9°W direction. From the shaft bottom, a total of 15-feet of drift was driven in a S62°E direction. In addition to the incline and drift work, the Operator constructed a combination tool and hoist house, and powder and exploder magazines. The Operator conformed in general to the contract specifications, but was rather uncooperative in constructing an adequate manway, and in supplying information about mica recovery and its disposition.

GEOLOGY

The Mitch-Lincoln pegmatite is an irregular, tabular-shaped structure, 6 to approximately 15 feet thick, which is intermittently exposed for several hundred feet along strike. The structure strikes N10°W to N10°E and dips from vertical to 60°West-southwest and west-northwest. Pegmatite is conformably emplaced in interlayered quartz-biotite-muscovite gneiss and hornblende schist and gneiss. Where bornblende schist occurs adjacent to the pegmatite margins, there is usually several inches of coarse alteration biotite schist on the contact.

A keel with an undulating plunge of from 60 to 30° to the south was followed by a large part of the incline work. The pegmatite's vertical section, particularly along the hanging wall contact, was found to be greatly contorted or dragfolded by stresses applied roughly normal to the plunge axis. The asymmetrically developed dragfolding of the contacts plunges from 20 to 40° to the south.

Pegmatite is variously and discontinuously zoned, uncommonly with any bi-lateral symmetry. In the vertical shaft section, a 1 to 2 foot zone of massive coarse-grained microcline perthite occurs along the footwall contact, with a 4 to 5 foot thick zone of medium to coarse-grained oligoclase, interstitial quartz and brownish-green muscovite occurring along the hanging wall contact. Muscovite and large masses of quartz are concentrated toward the central portion of the pegmatite. Coarse red garnet and dark green apatite are common accessory constituents of the plagioclase-quartz--

muscovite zone, particularly toward the margins of the perthite. Below the vertical portion of the shaft and along the keel of the structure, pegmatite consists of fine to medium-grained plagioclase with variable amounts of quartz and muscovite. Small books of muscovite are dissenimated in minor amounts throughout the pegmatite with discontinuous concentrations of larger material occurring occasionally along the hanging wall contact and particularly under and around overhanging convolutions of the contact. The muscovite decreased in quantity, size and overall quality as the incline progressed to the south along the structure. The best muscovite was recovered from the upper shaft section. Brownish-green books up to 8 inches across and 3 inches thick were recovered with a moderate amount of fine oxide(?) intergrowth occurring near or at the crystal margins. The mica is essentially flat, but locky, reeved, and edge-cracked books are not uncommon. About two-thirds of the block recovered from the upper shaft was of strategic size. The Operator reports sales from mica recovered during the contract totaling 3630 pounds of scrap, 1860 pounds of hand-cobbed block, and 23.5 pounds of full-trim sheet.

CONCLUSION AND RECOMMENDATIONS

The contract work was entirely in pegmatite whose mica-content was marginal and decreasing in quantity and marginal to sub-marginal quality. Continuation of the contract work as estimated, did not appear to have any potential for outlining a better physical environment than exists. No recommendation for

certification on the basis of the completed work can be made. Some mica-potential might still exist at the opposite or crestal termination of the pegmatite, but this possibility could not be foreseen at the time of examination and could not be explored with the remaining drift footage.

EXPENDITURES

(a)	Total approved	$6,856.00
(b)	Total cost of project	4,051.00
(c)	Government's hare of cost	3,038.25
(d)	Government's share unexpended	2,103.75
(e)	Value of production	227.41
(f)	Royalty paid to date	11.37

S. C. Bergman and F. G. Lesure
Geologists, Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

F. A. Feitler, Mining Engineer
Bureau of Mines

April 4, 1958

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

Budget Bureau No. 42-R1036.5

RECEIVED DEC 19 1957 D.M.E.A.

RECEIVED D.M.E.A.

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

NO RAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 30

Month of Sept., 195 7 Docket No. DMEA 4537 Contract No. Idm E-1067

Operator's Name Mitch Lincoln Mining Co. Minerals Mica

Address c/o Brad Ragan, Spruce Pine, N. C.

Contract Amount, $ 6856.00 Government Participation: 75 % Amount, $ 5142.00

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						
Crosscutting	330.00	165.00	495.00			
Drifting						
Shaft (	None	3440.00	3440.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
~~XXXX~~ Ex. Magazine	None	15.00	15.00			
Toilhouse	None	76.00	76.00			
Fowler Magazine	None	25.00	25.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	330.00	3721.00	4051.00	330.00	3721.00	4051.00

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

Date Oct. 7, 1957 *Payee Mitch Lincoln Mining Co.

Per [signature] Title Partner

*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:

$ 247.50

Signature [signature] (Authorized Certifying Officer)

Date DEC 17 1957 Vou. No. 99

(See other side)

82.50

(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. E1067 in accordance with the terms of the contract.

Signature S Feitler Title MINING ENGINEER U. S. BUREAU OF MINES Date NOV 4 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch Title ACTING EXECUTIVE OFFICER DMEA REGION V Date NOV 4 1957

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

RECEIVED
DEC 19 1957
D.M.E.A.

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

Month of Sept. 195 7 Docket No. DMEA 4537 Contract No. Idm E-1067
Operator's Name Mitch Lincoln Mining Co. Minerals Mica
Address c/o Brad Ragan, 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	ft	330.00	10	425.00	15	33.00	100	33.00
Raising								
Shafts	ft	None	~~80~~	3440.00	80	43.00	80	43.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
~~Trenching~~ Powder Magazine	1			25.00	1	25.00	1	25.00
~~Test Pits~~ Dx. Magazine	1			15.00	1	15.00	1	15.00
~~Roads and Trails~~ Toolhouse	1			76.00	1	76.00	1	76.00
Total Distributed Costs		330.00		4051.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		330.00		4051.00				

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 10/7/57 Operator Mitch Lincoln Mining Co.

Per Woodrow Jones Title Partner

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)

S Feiler

MINING ENGINEER
U. S. BUREAU OF MINES

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

DMEA NO. 4537

OPERATORS
MONTHLY PROGRESS REPORT
for the
MONTH OF SEPTEMBER 1957

Work Accomplished

Drilled, blasted and mucked for a total of 10 feet of cross-cut. The cross-cut is 5' x 7'. The burn cut method was used. Very little mica was recovered. There is approximately 1600 pounds of mica at the mine now obtained from the beginning of the project. This mica is mostly scrap. The cross-cut was being made to find the back slate. In the process of cross-cutting the slate cut the vein completely out. The project is now at a stand still because of this development.

Daily Notes:

August 30. Drilled.

Sept. 3. Drilled and blasted.

Sept. 6. Mucked. 3' cross-cut.

Sept. 10. Drilled.

Septl 11. Drilled.

Sept. 12. Mucked.

Sept. 13. Mucked. 4' cross-cut.

Sept. 18. Drilled.

Sept. 19. Drilled

Sept. 20. Mucked.

Sept. 24. Mucked.

Sept 25. Mucked. 3' cross cut.

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

WASHINGTON 25, D.C.

December 10, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 16 1957

DATE	INITIAL	CODE
12/16	C	220
12/16	Hank	600

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V -

Subject: Signed Termination Agreement - Idm-E1067, DMEA-4537. Mitch-Lincoln Mining Co., Mitch-Lincoln Mine, Mitchell County, North Carolina (mica).

Attached is the original and one copy of the subject termination agreement, signed by all the partners.

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

V. J. Lynch

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
HOUMWASHINGTON 25, D.C.
KNOX[illegible] TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 13 1957

DATE	INITIALS	CODE
12/13	gb	220
12/13	[illegible]	600

December 11, 1957

Memorandum

To: Finance Officer, Region V - (DMEA)

From: Acting Executive Officer, DMEA - Region V

Subject: Royalty Payment - Idm-E1067, DMEA-4537-mica
Mitch-Lincoln Mining Co. Lincolntown, N.C.
Mitch-Lincoln Mine, Mitchell County, N.C.

Attached is a check from the subject Operators in the amount of $11.37 for royalty sold from the project. No bill-of-sales accompanied the check.

V. J. Lynch,

xm.
cc
Lynch
Laurence
Mittehdorf

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

ORIGINAL FILE COPY
DMEA
RECEIVED NOV 18 1957

DATE	INITIALS	COST
11-18	C	220
11/18	CEW	800
		600

November 15, 1957

Mitch-Lincoln Mining Company
c/o Mr. Fred R. Ellis
P. O. Box 31
Lincolnton, North Carolina

Re: Docket No. DMEA-4537 (Mica)
Mitch-Lincoln Mining Company
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E1067

Dear Sirs:

Mr. Fred Ellis' letter of October 8 states that $109.91 worth of mica from the Mitch-Lincoln mine has been sold and that there is an additional $117.50 worth on hand. Therefore, royalty of at least $11.37 is due the Government, as provided in Article 6b of the contract.

Please send your check for that amount, payable to the Defense Minerals Exploration Administration at your earliest convenience. Until we receive it and the signed termination agreements, we cannot forward your final voucher for payment.

Please note also that royalty is due on all mica produced at the Mitch-Lincoln mine between March 11, 1957 and April 8, 1958, regardless of whether or not a certificate of discovery is issued.

Sincerely yours,

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

RAL/mg
cc - Operating Committee (2)
Mr. V. J. Lynch
File

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/7	Talbert	800
11/7	gb	220
		600

NOV 7 1957

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

Re: Docket No. DMEA-4537 (Mica)
Mitch-Lincoln Mining Company
Mitch-Lincoln Mine
Mitchell County, N. C.
Contract No. Idm-E1067

Dear Mr. Laurence:

As requested by your memorandum of November 4, 1957, a Report of Review in lieu of a final audit of the referenced project has been prepared. The original and three copies of the report, together with the original and four copies of the final MF-104 submitted with your memorandum, are enclosed.

If you concur with the facts stated in this Report of Review, the original and one copy should be released to the regional finance officer, one copy should be forwarded to the Operator, and one copy should be retained in your files. If for any reason you do not concur, please return the original and three copies to this Division with your comments.

In reviewing this project it has been noted that the Operator, as of October 1, 1957, had received $56.27 from scrap sales and $53.64 from block sales and had on hand trim mica of an approximate value of $117.50; however, we have no record of the receipt of royalty. Accordingly, it is suggested that payment of the balance due the Operator for the Government's share of the project costs be withheld until receipt of the royalty due.

In future requests for issuance of Reports of Review please submit the original of the final MF-104 together with the MF-104A, the Operator's narrative and any other supporting documentation.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
November 6, 1957

Copy to: Docket
Helen R. Miller
Admr. Reading File
Mr. Chambers

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 2508 FED. BLDG.
KNOXVILLE 2, TENN.

WASHINGTON 25, D.C.

MAIN FILE COPY
DMEA
RECEIVED NOV 6 1957

DATE	INITIALS	COPY
11/6	gb	220
11/7	[illegible]	800
11/19	[illegible]	600

November 4, 1957

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Operator's Final Engineering & Geologic Report-DMEA-4537, Idm-E1067(mica) Mitch-Lincoln Mine, Mitchell County, N.C.

There are attached three copies of the subject report.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA-Region V

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

z

Operation Final Rpt

Final Report

MITCH LINCOLN MINING COMPANY

OCTOBER 8, 1957

MR. ROBERT A. LAURENCE
EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION V
KNOXVILLE 2, TENNESSEE

SUBJECT: DOCKET NO. DMEA 4537...CONTRACT NO. IDM E-1067 MITCH LINCOLN MINING COMPANY

DEAR MR. LAURENCE:

AFTER VISITING THE MINE TUESDAY, OCTOBER 1ST, AT WHICH TIME THE FIELD INSPECTORS WERE THERE, IT WAS CONCLUDED THAT THE OPERATION OF THE MIND SHOULD BE TERMINATED DUE TO THE FOLLOWING REASONS:

1. A SHAFT OF 103 FEET HAS BEEN SUNK OF WHICH THE GOVERNMENT PARTICIPATED ON 60 FEET. A CROSS-CUT WAS MADE 15 FEET. THE VEIN WAS APPROXIMATELY 6 FEET WIDE ALL THE WAY DOWN UNTIL THE LAST 15 FEET OF THE CROSS-CUT AT WHICH TIME IT NARROWED. THE VEIN THAT WAS FOLLOWED WAS SURROUNDED BY MOUNTAIN ROCK ON ALL FOUR SIDES AND AT THE END OF THE CROSS-CUT THE MOUNTAIN ROCK HAS COMPLETELY CLOSED OUT THE VEIN.

2. THE QUALITY AND QUANTITY OF THE MICA HAS STEADILY DECREASED FOR THE LAST 50 FEET. THE MICA LAST OBTAINED WAS MOSTLY SCRAP AND VERY HEAVILY STAINED.

   THE TOTAL AMOUNT OF MICA OBTAINED AND SOLD WAS 3630 POUNDS OF SCRAP FOR $56.27, AND 1860 POUNDS OF BLOCK MICA TO THE GOVERNMENT FOR $53.64 AND WE HAVE ON HAND 23½ POUNDS OF TRIM MICA THAT WILL BRING APPROXIMATELY $5.00 PER OUND, OR $117.50.

3. THE FOLLOWING IS AN INCOME AND EXPENSE STATEMENT FOR THE OPERATION OF THE MIND THUS FAR.

EXPENSES:

	$
LABOR (MICA TRIMMING)	179.55
LABOR (MINE)	2,538.08
SUPPLIES	321.62
LUMBER	21.00
GAS & OIL	130.79
POWDER, CAPS, ETC.	977.85
REPAIRS	16.37
TAXES (FICA)	57.77
	4,243.03

RECEIVED

INCOME:		
EXPLORATION LOAN	$ 2,790.75	— 3088.25
SCRAP	56.27	
MICA TO GOVERNMENT	53.64	
TOTAL	2,900.66	
PLUS MICA TO BE SOLD	117.50	
TOTAL	3,018.16	
APPROXIMATE DEFICIT	$ 1,224.87	

DUE TO THE FACTS STATED ABOVE IT IS RESPECTUFLLY REQUESTED THAT THE MINING CONTRACT BE TERMINATED AS IT IS THE CONSENSUS OF ALL THAT ANY FUTURE OPERATION WOULD RESULT IN A LOSS TO THE GOVERNMENT AS WELL AS THE OPERATORS.

YOURS VERY TRULY,

FRED R. ELLIS

FRE/JB

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

DMEA
RECEIVED NOV 6 1957
DATE | CODE
11/7 | 600

November 4, 1957

Memorandum

To: Jay L. Chambers, Director Contract Administration and Audit Division.

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

Subject: Termination of DMEA-4537, Idm-E1067-mica. Mitch-Lincoln Mining Co. c/o Brad Ragan, Spruce Pine, N.C.

Work on the subject contract has been terminated.

The following units of work have been acceptably performed as verified by our Field Examiners:

1 - A toolhouse, powder magazine and exploder magazine constructed.

2 - Eighty feet of shaft and 15 feet of drifting were completed.

Termination Agreement papers have been sent for signature.

An adequate final engineering and geological report has been received. Report of Review is requested.

vjl/zm

Robert A. Laurence

cc
Opr. Com.-2
Lynch
Files

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/29	Anderson	600
10/3	Houk	600
10/29	Tachut	800
10/30	GCS	130
"	Jo Lamson	110
		~~100~~
10/31	C	220
		600

600

OCT 31 1957

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

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina
Contract No. Idm-E/1067

Dear Mr. Laurence:

Reference is made to the Field Team's memorandum of October 15, 1957, recommending termination of the subject contract by mutual agreement.

Enclosed are the original and four copies of a proposed Termination Agreement signed by the Administrator for the Government. Two extra copies are enclosed for the use of the Field Team. If the proposed Termination Agreement meets with your approval present it to the Operator for execution. If any part of this agreement does not have either your approval or that of the Operators, and cannot be amended within your delegated authority, then the original and all copies are to be returned to this office, together with the proposed changes for consideration.

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

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

Frank D. Lamb (GCS)
Member, Bureau of Mines

W. P. Williams (GCS)
Member, Geological Survey

WCAnderson:gad 10/29/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Enclosures 7

8623

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date [redacted]/17

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. Division
6. Docket Control Mails and Files
7. ~~600~~

Note comments in report regarding:

1. Termination recommended
2.
3.
4.

and take appropriate action.

- - - - - - - - - -

Action taken by Division: 10/21/57 Docket and draft of termination agreement sent to Legal for preparation.

Robert E. Adams

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

WASHINGTON 25, D.C.

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 17 1957

DATE	INITIALS	CODE
10/17	C	220
17	Corus	100
10/21	Hurd	600

October 15, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team Region V - Knoxville, Tennessee

Subject: DMEA-~~4527~~ 4537, Idm-E1067-Mica. Mitch-Lincoln Mine, Mitchell County, N.C.

Enclosed is the original and two copies of the last interim report on the subject contract, and a letter from the Operator requesting termination of the contract.

The Field Examiners recommend termination of the contract effective October 16, because of the poor quality of the mica, although the quantity of mica produced has been fair.

The Field Team agree with the recommendations of the Field Examiners in requesting termination of the contract.

Because of the quantity of mica discovered, there is a possibility that Certification of Discovery will be recommended.

Robert A. Laurence

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

V. J. Lynch

V. J. Lynch, Member-Bureau of Mines
DMEA Field Team, Region V

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 17 1957
DATE | INITIALS | CODE

INTERIM REPORT

DMEA-4537, Idm-E1067(mica) MITCH-LINCOLN MINE

Operator: Mitch-Lincoln Mining Co. c/o Woodrow Sparks, Bakersville, North Carolina

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland Road, Mitchell County, N.C.

The drift from the bottom of the shaft was advanced 5 ft during the interim. Fingers of gneiss cut out pegmatite in the face except for a thin stringer of pegmatite in the north corner of the drift near the back. Pegmatite 18-inches thick is exposed along the south wall of the drift at the sill. The top 5 ft of the north wall is pegmatite, but gneiss comprised most of the rock blasted in drifting.

Muscovite books measuring up to 4" x 6" and in fair quantity are exposed, but the quality is poor.

The Operator was advised to collar a new drift about 10 ft up the shaft to avoid the area in the present drift where gneiss has displaced most of the pegmatite.

Of the four partners in the project, three (J.A. Burris, Fred Ellis, and Woodrow Sparks) were present during the examination. They brought up the question of termination because of the poor quality of the mica. They were advised to write a letter containing all the information about the project, especially data on mica recovery and sales.

Data on mica recovery and sales presented in their letter of October 8, 1957, signed by Fred R. Ellis, confirms the Examiners observations on the quality of the mica.

Mica from the drift and lower part of the shaft is markedly stained. Reeves, cracks, A, bending, and ruling are present but not excessive. Experience suggests that "stain" in mica is the fault least likely to change significantly with a pegmatite body.

The size and mineralogy of the pegmatite and the quantity and size of mica are favorable, but probabilities do not favor finding a significant decrease in staining by additional drifting.

The Field Examiners agree with the Operators that additional drifting is unlikely to produce a significant discovery of mica of strategic quality and the project should be terminated.

Inspected: Oct. 1, 1957

S. A. Feitler, Mining Engineer
U. S. Bureau of Mines

S. C. Bergman, Geologist
Geological Survey

z

Burris MANUFACTURING COMPANY, INC.
MAKERS OF FINE UPHOLSTERED LIVING ROOM FURNITURE
PHONE RE-55351
P. O. BOX 31
LINCOLNTON
NORTH CAROLINA

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 17 1957

DATE	INITIALS	CODE

OCTOBER 8, 1957

MITCH LINCOLN MINING COMPANY

MR. ROBERT A. LAURENCE
EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION V
KNOXVILLE 2, TENNESSEE

SUBJECT: DOCKET NO. DMEA 4537...CONTRACT NO. IDM E-1067 MITCH LINCOLN MINING COMPANY

DEAR MR. LAURENCE:

AFTER VISITING THE MINE TUESDAY, OCTOBER 1ST, AT WHICH TIME THE FIELD INSPECTORS WERE THERE, IT WAS CONCLUDED THAT THE OPERATION OF THE MIND SHOULD BE TERMINATED DUE TO THE FOLLOWING REASONS:

1. A SHAFT OF 103 FEET HAS BEEN SUNK OF WHICH THE GOVERNMENT PARTICIPATED ON 80 FEET. A CROSS-CUT WAS MADE 15 FEET. THE VEIN WAS APPROXIMATELY 6 FEET WIDE ALL THE WAY DOWN UNTIL THE LAST 15 FEET OF THE CROSS-CUT AT WHICH TIME IT NARROWED. THE VEIN THAT WAS FOLLOWED WAS SURROUNDED BY MOUNTAIN ROCK ON ALL FOUR SIDES AND AT THE END OF THE CROSS-CUT THE MOUNTAIN ROCK HAS COMPLETELY CLOSED OUT THE VEIN.

2. THE QUALITY AND QUANTITY OF THE MICA HAS STEADILY DECREASED FOR THE LAST 50 FEET. THE MICA LAST OBTAINED WAS MOSTLY SCRAP AND VERY HEAVILY STAINED.

   THE TOTAL AMOUNT OF MICA OBTAINED AND SOLD WAS 3630 POUNDS OF SCRAP FOR $56.27, AND 1860 POUNDS OF BLOCK MICA TO THE GOVERNMENT FOR $53.64 AND WE HAVE ON HAND 23½ POUNDS OF TRIM MICA THAT WILL BRING APPROXIMATELY $5.00 PER OUND, OR $117.50.

3. THE FOLLOWING IS AN INCOME AND EXPENSE STATEMENT FOR THE OPERATION OF THE MIND THUS FAR.

EXPENSES:

	$
LABOR (MICA TRIMMING)	179.55
LABOR (MINE)	2,538.08
SUPPLIES	321.62
LUMBER	21.00
GAS & OIL	130.79 — [illegible]
POWDER, CAPS, ETC.	977.85
REPAIRS	16.37
TAXES (FICA)	57.77
	$ 4,243.03

RECEIVED
1957

SHOWROOMS:
CHICAGO
DALLAS
NEW YORK
HIGH POINT
SAN FRANCISCO

Originators of the Famous Fairsex Fireside Chair

INCOME:		$
EXPLORATION LOAN		2,790.75
SCRAP		56.27
MICA TO GOVERNMENT		53.64
	TOTAL	2,900.66
	PLUS MICA TO BE SOLD	117.50
	TOTAL	3,018.16
	APPROXIMATE DEFICIT	$ 1,224.87

DUE TO THE FACTS STATED ABOVE IT IS RESPECTUFLLY REQUESTED THAT THE MINING CONTRACT BE TERMINATED AS IT IS THE CONSENSUS OF ALL THAT ANY FUTURE OPERATION WOULD RESULT IN A LOSS TO THE GOVERNMENT AS WELL AS THE OPERATORS.

YOURS VERY TRULY,

Fred R. Ellis Partner

FRED R. ELLIS

FRE/JB

EXTRA COPY
DMEA
RECEIVED SEP 20 1957

DATE	INITIALS	CODE
9-30	G	220
"	Cm	100
10/2	Hmk	600

INTERIM REPORT

DMEA-4537, Idm-E1067(mica) MITCH-LINCOLN MINE

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, North Carolina

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland Road, Mitchell County, North Carolina

The drift from the bottom of the shaft along the keel was advanced 6 ft for a total of 11 ft S62°E. In the face, the pegmatite is 30 inches across at its narrowest point and contains a 6-inch stringer of gneiss. Little mica was observed. The hanging wall strikes N 60°E and dips 55°SE - a 60° change in 6 ft.

The keel is rolling upward and may require drifting at a plus angle to stay in pegmatite.

The Operator was instructed to turn northeast and follow the pegmatite.

Recovery of 75 lbs of block mica of poor quality was reported for the interim.

The manway has been improved and lagged off from the hoisting compartment.

Inspected: September 17, 1957

SAFeitler

Stanley A. Feitler, Mining Engineer
Bureau of Mines

F. G. Lesure

E.C. Bergman and F. G. Lesure, Geologists
Geological Survey

z

Form DMF-134 (Rev.)
(April 1958)

RECEIVED SEP 30 1957 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-16

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1957 Docket No. DMEA 4537 Contract No. Idm E-1067

Operator's Name Mitch Lincoln Mining Co. Minerals Mica

Address c/o Brad Ragan, Spruce Pine, N. C.

Contract Amount, $ 6856.00 Government Participation: 75 % Amount, $ 5142.00

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						
Crosscutting	165.00	None	165.00			
Drifting						
Shaft (12 ft.)	516.00	2924.00	3440.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
~~xxx~~ Ex. Magazine	None	15.00	15.00			
Toolhouse	None	76.00	76.00			
Powder Magazine	None	25.00	25.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	681.00	3040.00	3721.00	681.00	3040.00	3721.00

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

Date 9/15/57 *Payee Mitch Lincoln Mining Co.

Per Woodrow W. Jones Title Partner

*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:

$ 510.75

Signature Helen R. Mullis (Authorized Certifying Officer)

Date SEP 27 1957 Vou. No. 59

(See other side)

4

170.25

(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. Idaho E 106 in accordance with the terms of the contract.

Signature W. A. Beck Title MINING ENGINEER U. S. BUREAU OF MINES Date SEP 20 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA FIELD TEAM REGION V Date SEP 20 1957

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1957 Docket No. DMEA 4537 Contract No. Idm E-1067

Operator's Name Mitch Lincoln Mining Co. Minerals Mica

Address c/o Brad Ragan, 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								
Crosscutting	ft.	165.00	5	165.00	5	33.00	100	33.00
Raising								
Shafts	ft.	516.00	12	3440.00	80	43.00	80	43.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Powder Magazine	1			25.00	1	25.00	1	25.00
Det. Mgz. Magazine	1			15.00	1	15.00	1	15.00
Toolhouse	1			76.00	1	76.00	1	76.00
TOTAL DISTRIBUTED COSTS		681.00		3721.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		681.00		3721.00				

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.

REMARKS:

Date 9/15/57 Operator Mitch Lincoln Mining Co.

Per [signature] Title Partner

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)

W. A. Beck MINING ENGINEER U. S. BUREAU OF MINES

SEP 20 1957

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

DMEA NO. 4537

OPERATORS
MONTHLY PROGRESS REPORT
for the
MONTH OF AUGUST 1957

Work Accomplished

Drilled, blasted and mucked for a total of 12 feet of shaft sunk. This made a total of 80 feet of shaft sunk to date. Started a cross-cut at the bottom of the shaft 5' x 7'. This is a cross-cut of the dyke to find the back slate. The air continued to be foul while sinking the shaft but has cleared up some now. Using the burn cut method. Recovered approximately 200 pounds of mica. This was mostly scrap.

Daily Notes

August 2., Drilled and blasted.

Autus 3. Muck. 1½ ft. sunk.

August 5. Drilled and blasted.

August6. Mucked. 1 ft. sunk.

August 7. Drilled and blasted.

August 8. Mucked. 1½ ft. sunk.

August 9. Drilled and blasted.

August 10. Mucked. 1½ ft. sunk.

August 12. Drilled and blasted.

August 13. Mucked. 1 ft. sunk.

August 14. Drilled and blasted.

August 15. Mucked. 1½ ft. sunk.

August 16. Drilled and blasted.

August 19. Mucked. 1½ ft. sunk.

August 20. Drilled and blasted.

August 21. Mucked. 1½ ft. sunk.

August 22. Drilled and blasted.

August 23. Mucked. 1 ft. sunk.

August 26. Drilled

August 27. Drilled and blasted.

August 28. Mucked.

August 29. Mucked. 5' Cross-cut.

1.83
12 5 2 2 2 2 2 2

INTERIM REPORT

DMEA-4537, Idm-E1067 (mica) MITCH-LINCOLN MINE

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, North Carolina

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland Road, Mitchell Co., N. C.

Inclined shaft sinking has been completed on this contract. Eighty feet of contract work coupled with 23 feet of existing shaft places the present depth at 103 feet. Work completed during the Interim consisted of sinking the remaining 5½ feet of incline of a -40° slope and driving 5 feet of drift to the northwest. The pegmatite at this point is 6 feet thick, and the hanging wall contact strikes N60°E and dips 45°SW. The body is coarse-grained and is composed of feldspar, quartz and medium to large sizes of muscovite. Instructions were given for continuing the drift to the northwest, keeping the section in the thicker pegmatite.

New ladders have been installed in the manway during the Interim. Suggestions were made for additional manway work to be completed before another visit is made. Progress on this contract has been satisfactory.

L. E. Shirley

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

F. G. Lesure

F. G. Lesure, Geologist
U. S. Geological Survey

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 13 1957

DATE	INITIALS	CODE
9/16	Hal	600

Date inspected:

September 4, 1957

Form MF-104 (Rev. April 1952)

RECEIVED SEP 9 1957 D.M.E.A.

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 10

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July 195 7 Docket No. DMEA 4637 Contract No. Idm D-1067

Operator's Name Hilco Lincoln Mining Co. Minerals Mica

Address c/o Brad Regan, Grouse Lake, B. C.

Contract Amount, $ 6850.00 Government Participation: 75% Amount, $ 5142.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Drift (7 ft.)	301.00	2623.00	2924.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Fix. Magazine	None	15.00	15.00			
Toolhouse	None	76.00	76.00			
Powder Magazine	None	25.00	25.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	301.00	2739.00	3040.00	301.00	2739.00	3040.00

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

Date 8/13/57 *Payee Hilco Lincoln Mining Co.

Per [signature] Title Partner

*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:

$ 225.75

Signature Helen R. Miller (Authorized Certifying Officer)

Date SEP 5 1957 Vou. No. 42

(See other side)

3

75. 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. E-1067 in accordance with the terms of the contract.

Signature S Feitler Title MINING ENGINEER U. S. BUREAU OF MINES Date AUG 29 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch Title ACTING EXECUTIVE OFFICER DMEA FIELD TEAM REGION V Date AUG 29 1957

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-R-1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 7 Docket No. DMEA 4537 Contract No. [illegible]-1067

Operator's Name Mitch Lincoln Mining Co. Minerals Iron

Address c/o [illegible], [illegible], B. 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								
Raising								
Shafts	ft.	321.00	7	924.00	60	43.00	80	43.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Transmission Line				25.00	1	25.00	1	[illegible].00
Roads and Trails				10.00	1	10.00	1	[illegible].00
Bollhouse				76.00	1	76.00	1	76.00
Total Distributed Costs		301.00		940.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		301.00		940.00				

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 8/15/57 Operator Mitch Lincoln Mining Co.

Per [illegible] Title Partner

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)

S Feitler

MINING ENGINEER
U. S. BUREAU OF MINES

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] No. 4937

[illegible]
[illegible] [illegible]
for the
[illegible] of [illegible] 1957

Work Accomplished

Drilled, blasted and cucked for a total of 7 feet of shaft sunk. Shaft is being sunk by the burn cut method. In geometric all the way. Following the North Foot Wall Seam. The vein consists of flint, schist, and some clay. Followed approximately 500 pounds of block and array with a sheet recovery of .6% (estimated). Largest block is 3" x 4" block. The air is so foul as we go down that it is hard to accomplish much. It takes a long time to clear it before the men can return to work. We plan to run a test hole to determine width of vein.

Daily Notes.

July 1. Cucked, 1 ft. sunk.

July 2. Drilled and blasted.

July 4. Cucked, 1½ ft. sunk.

July 22. Drilled and blasted.

July 27. Cucked, 1½ ft. sunk.

July 29. Drilled and blasted.

July 31. Cucked, 1½ ft. sunk.

July 31. Drilled and blasted.

August 1. Cucked, 1½ ft. sunk.

For the work accomplished we used approximately 100 pounds of dynamite and 30 electric caps.

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AUG 23 1957
[illegible]
Knoxville, Tenn.

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DMEA
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DATE 9/3 Corr 100

INTERIM REPORT

DMEA-4537, Idm-E1067, MITCH-LINCOLN MINE
(mica)

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, N. C.

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland road, Mitchell County, N.C.

The -30° incline has been advanced 7 1/2 ft during the interim and 74 1/2 ft have been completed. Five and one-half ft of shaft is still to be sunk.

Fourteen ft back from the face, a six foot hole drilled into the east wall was all in pegmatite. At the face the pegmatite laps around a finger of gneiss which comes in from the southeast and occupies about half the face. This is interpreted as being one of the drag folds associated with mica concentrations in this pegmatite body.

Mica in the toolhouse, estimated at 500 lbs was not of good quality.

The foreman was urged to improve the ladders and enclose the manway.

Inspected: August 20, 1957

S Feitler

Stan[illegible] E. Feitler and L. E. Shirley,
Mining Engineers, Bureau of Mines

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

F.G. Lesure, Geologist
Geological Survey

z

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DATE | INITIALS | CODE
19 Com 100
20 Hook 600

INTERIM REPORT

DMEA-4537, Idm-E1067, MITCH-LINCOLN MINE
(mica)

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, N. C.

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland road, Mitchell County, North Carolina

Work was resumed about the end of July or the beginning of August, 1957 and the incline has been advanced 7 ft on a 30° slope approximately along the keel of the pegmatite. The west wall of the dike strikes N 5°E and dips steeply near the keel a few feet back from the face.

The pegmatite exposed in the face contains stringers of schist and small mica all the way across with occasional larger books up to 4 x 6 inches.

The Operator was told to continue the incline for 13 feet and then crosscut to the east. He was also instructed to improve the manway.

Inspected: August 6, 1957

S A Feither

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

F. G. Lesure, Geologist
Geological Survey

z

INTERIM REPORT

DMEA-4537, Idm-E1067 (mica) MITCH-LINCOLN MINE

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, North Carolina

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland road, Mitchell Co., N. C.

No progress is reportable for the past month on this contract. An inspection underground shows conditions about the same as the inspection made two weeks ago. The operator has not contacted the Field Examiners, and efforts made by the Examiners to learn when work will resume, including a visit to the home of the operator, have been fruitless.

L. E. Shirley

L. E. Shirley and S. A. Feitler, Mining Engineers
U. S. Bureau of Mines

F. G. Lesure, Geologist
U. S. Geological Survey

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DATE	INITIALS	CODE
8/5	CAM	100
8/6	Hoth	600

Date inspected:

July 23, 1957

INTERIM REPORT

DMEA-4537, Idm-E1067 (mica) MITCH-LINCOLN MINE

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, North Carolina

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland road, Mitchell Co., N. C.

No inclined shaft sinking is reportable on this contract during the Interim. Reliable local reports indicate that the drill runner quit. The Operator could not be contacted, but work will probably be resumed as soon as a new driller can be recruited. Underground inspection was made.

L. E. Shirley

L. E. Shirley, and S. A. Feitler,
Mining Engineers
U. S. Bureau of Mines

S. C. Bergman

S. C. Bergman, Geologist and D. H. Amos, Geologist
U. S. Geological Survey

Date inspected:

July 9, 1957

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DATE	INITIALS	CODE
7 22	C	220
	Copy	100
23	H	600

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

3

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 7, 1957 Docket No. DMEA 4537 Contract No. Idm E-1067

Operator's Name Mitch Lincoln Mining Co. Minerals Mica

Address c/o Brad Ragan, Spruce Pine, N. C.

Contract Amount, $ 6856.00 Government Participation: 75 % Amount, $ 5142.00

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						
Shaft (20 ft.)	860.00	1763.00	2623.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Exp. Mg. Magazine	None	15.00	15.00			
Toolhouse	None	76.00	76.00			
Powder Magazine	None	25.00	25.00			
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	860.00	1879.00	2739.00	860.00	1879.00	2739.00

RECEIVED JUL 22 1957 D.M.E.A.

7/6/57 Mitch Lincoln Mining Co.

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

Date ..... *Payee Partner

Per Woodrow Wood Title

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

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

(Instructions on reverse)

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

$ 645.00

Signature Helen R. Miller
(Authorized Certifying Officer)

Date JUL 18 1957 Vou. No. 13
(See other side)

215.00

(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. E-1067 in accordance with the terms of the contract.

Signature S. C. Bergman Title GEOLOGIST, U. S. G. S. Date JUL 15 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch Title ACTING EXECUTIVE OFFICER DMEA - REGION V Date JUL 15 1957

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1957 Docket No. DMEA 4537 Contract No. Ida E-1067
Operator's Name Mitch Lincoln Mining Co. Minerals Mica
Address c/o Brad Ragan, 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								
Crosscutting								
Raising								
Shafts	ft.	860.00	20	2623.00	61	43.00	80	43.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
~~xxxx~~ts Powder Magazine				25.00	1	25.00	1	25.00
~~xxxxxxxxx~~ilex. Magazine				15.00	1	15.00	1	15.00
Toolhouse				76.00	1	76.00	1	76.00
TOTAL DISTRIBUTED COSTS		860.00		2739.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		860.00		2739.00				6656.00

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 7/6/57 Operator Mitch Lincoln Mining Co.

Per Woodrow Grant Title Partner

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) S. C. Bergman
GEOLOGIST, U. S. G. S. JUL 15 1957

RECEIVED JUL 22 1957 D.M.E.A.

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

DMEA NO. 4537

OPERATORS
MONTHLY PROGRESS REPORT
for the
MONTH OF JUNE 1957

Work Accomplished

Drilled, blasted and mucked for a total of 20 feet of shaft sunk.

Daily Notes

May 29. Drilled and blasted, mucked, 2 ft. sunk.

June 2. Drilled and blasted, mucked, 1½ ft. sunk.

June 3. Drilled and blasted, mucked, 1½ ft. sunk.

June 5. Drilled and blasted, mucked, 1½ ft. sunk.

June 6. Drilled and blasted, mucked, 1½ ft. sunk.

June 9. Drilleda nd blasted, mucked, 1½ ft. sunk.

June 10. Drilled and blasted, mucked, 1½ ft. sunk.

June 11. Drilled and blasted, mucked, 1½ ft. sunk.

June 12. Drilled and blasted, mucked, 1½ ft. sunk.

June 13. Drilled and blasted, mucked, 1½ ft. sunk.

June 161 Drilled and blasted, mucked, 1½ ft. sunk.

June 17. Drilled and blasted, mucked, 1½ ft. sunk.

June 18. Drilled and blasted, mucked, 1½ ft. sunk.

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DATE	INITIALS	CODE

For the workmk accomplished we used 100 electric caps and approximately 300 pounds of dynamite.

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

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RECEIVED JUL 15 1957

DATE	INITIALS	CODE
7/15	C	220
7/15	[illegible]	800
[illegible]	[illegible]	600

July 12, 1957

Mitch Lincoln Mining Co.
c/o Brad Ragan
Spruce Pine, North Carolina

Re: DMEA-4537 (mica)
Mitch Lincoln Mine
Mitchell County, N.C.
Contract-Idm-E1067

Dear Mr. Ragan:

We have received your June voucher and report on the work done under the subject exploration contract.

It will be appreciated if, on future reports, you will make the narrative more informative. The narrative should state, in addition to the footage progress made, whether the work is in pegmatite and if so, how thick the pegmatite is, how much mica was recovered, with an estimate of its quality, and similar information. Mr. Shirley or Mr. Bergman will be glad to explain to you the type of narrative report which is needed.

Sincerely yours,

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

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

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DATE	INITIALS	CODE
7/5	C	220
7/8	CAM	100
7/9	Hunt	Cwd

INTERIM REPORT

DMEA-4537, Idm-E-1067, Mitch-Lincoln Mine
(mica)

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, N.C.

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland road, Mitchell Co., N.C.

Inclined shaft sinking continues on this contract and new work totals 60 feet. The incline is being sunk on a-28° to-33° and is following a contact visible on the northwest wall of the incline. The pegmatite is at least 10 feet thick as indicated by recent test hole drilling into the southeast wall of the incline. The body is composed of Na and K feldspars, disseminated quartz, accessory garnet and muscovite. Most of the recent mica recovery has come from an area between 44 and 60 feet along the southeast wall. Approximately 1000 pounds of mica-run book has been produced during the past months work. A recent sale of 1900 pounds under the block program brought an initial or preliminary payment of $58.00.

Instructions were given for providing temporary but safe access from the vertical portion of the shaft to the working face. Progress on the contract is satisfactory.

Messrs. F. Gervosio and J. Pilac, I.C.A. participants from the Phillipines, accompanied the Field Examiners on this visit to the mine.

Inspected: June 25, 1957

L. E. Shirley

L. E. Shirley, Mining Engineer
Bureau of Mines

S. C. Bergman

S. C. Bergman, Geologist
Geological Survey

INTERIM REPORT

DMEA-4537, Idm-E-1067, Mitch-Lincoln Mine
(mica)

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, North Carolina

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland Road, Mitchell Co., N. C.

No one was present at this mine and, because of acrid dynamite fumes still prevalent in the shaft, no attempt was made to go underground. From all appearances shaft sinking is continuing and had been in progress on the date of this visit.

Messrs. R. A. Laurence, Executive Officer of DMEA, Region V, and Stuart Maher, Tennessee Department of Conservation, Division of Geology, accompanied the field examiners on this visit to the mine.

Inspected: June 11, 1957

L. E. Shirley

L. E. Shirley, Mining Engineer
Bureau of Mines

S. C. Bergman

S. C. Bergman, Geologist
Geological Survey

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DATE	INITIALS	CODE
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6/26	[illegible]	600

INTERIM REPORT

DMEA-4537, Idm-E1067, (Mica) MITCH-LINCOLN MINE

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, N.C.

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland Road, Mitchell County, N. C.

Inclined shaft sinking continues on this contract and 41 feet of work in new ground has been completed. The work is following the plunge of the body (-33°) to the southwest. The body is composed of quartz, Na feldspar, muscovite and accessory garnet. About one ton of mine-run block has been produced during the last month and about 3 tons since shaft work began.

Discussion was held with the operator concerning necessary timber work to follow. Instructions were given for continued incline work.

L. E. Shirley

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

May 28, 1957

S. C. Bergman

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

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RECEIVED JUN 7 1957

DATE	INITIALS	CODE
6/10	CMM	100
6/12	[illegible]	GOO

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 24 1957

DATE	INITIALS	CODE
5/24	C	220
27	Conn	100
5/8	H	600

INTERIM REPORT

DMEA-4537, Idm-E1067(mica) Mitch-Lincoln Mine

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, N. C.

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland Road, Mitchell County, N. C.

Inclined shaft sinking continues to follow the keel of the pegmatite which trends from S5° to 25°E and plunges about 30°SE. Four feet of additional incline has been driven during this interim period making a total of 23 feet of vertical shaft and 29 feet of incline. The 29 feet of incline has been sunk under the terms of the contract, and the other sinking previous to the contract date. About 500 pounds of "mine-run" block mica has been recovered during the interim.

The work is being carried on in a workman like manner, however, slow.

Inspected: May 14, 1957

S. C. Bergman

S. C. Bergman, Geologist
Geological Survey

Wm. A. Beck

Wm. A. Beck, Mining Engineer
Bureau of Mines

z

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 K- 79

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1957 Docket No. DMEA 4537 Contract No. Idm 8-1067
Operator's Name Mitch Lincoln Mining Co. Minerals Mica
Address c/o Fred Hagan, Spruce Pine, N. C.
Contract Amount, $ 6850.00 Government Participation: 75 % Amount, $ 5142.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shaft (16 ft)	688.00	1075.00	1763.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Truck Ex. Magazine	None	16.00	16.00			
Toolhouse	None	76.00	76.00			
Powder Magazine	None	20.00	20.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	688.00	1191.00	1879.00	688.00	1191.00	1879.00

RECEIVED JUN 1 1957 D.M.E.A.

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

Date 6/10/57 *Payee Mitch Lincoln Mining Co.

Per [signature] Title Partner

*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:

$ 516.00

Signature Helen R. Miller
(Authorized Certifying Officer)

Date JUN 27 1957 Vou. No. 212

(See other side)

172.00

(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. E-1067 in accordance with the terms of the contract.

Signature S. C. Berryman Title GEOLOGIST, U. S. G. S. Date JUN 20 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA FIELD TEAM REGION V Date JUN 20 1957

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 195 7 Docket No. DMEA 457 Contract No. 12a E-1057
Operator's Name Hitch Lincoln Mining Co. Minerals Mica
Address c/o Fred Fagan, Spruce Flat, 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								
Raising								
Shafts	ft	699.00	16	1763.00	41	43.00	80	43.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits Under Magazine				20.00	1	20.00	1	20.00
Roads and Trails Dr. Magazine				15.00	1	15.00	1	15.00
				76.00	1	76.00	1	73.00
Total Distributed Costs		699.00		1879.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		699.00		1872.00				0856.00

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.

Remarks:

Date 6/18/57 Operator Hitch Lincoln Mining Co.

Per [signature] Title Partner

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)

RECEIVED JUN 1 1957 D.M.E.A.

J. C. Bergman GEOLOGIST, U. S. G. S.

JUN 20 1957

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

DMEA NO. 4537

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of May 1957

Work Accomplished

Drilled, blasted and mucked for a total of 16 feet of shaft sunk.

Daily Notes

May 7. Drilled and blasted, mucked, 2 ft. sunk.

May 8. Drilled and blasted, mucked, 2 ft. sunk.

May 9. Drilled and blasted, mucked, 2 ft. sunk.

May 14. Drilled and blasted, mucked, 2 ft. sunk.

May 15. Drilled and blasted, mucked, 2 ft. sunk.

May 21. Drilled and blasted, mucked, 2 ft. sunk.

May 22. Drilled and blasted, mucked, 2 ft. sunk.

May 23. Drilled and blasted, mucked, 2 ft. sunk.

EXTRA COPY
DMEA
RECEIVED JUN 1 1957

DATE	NOTES	CODE

For the work accomplished we used 105 electric caps and approximately 300 pounds of dynamite. 18.7#/ft of round

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 K- 79

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1957 Docket No. DMEA 4657 Contract No. Idm E-1067
Operator's Name Mitch Lincoln Mining Co. Minerals Mica
Address c/o Brad Ragan, Spruce Pine, N. C.
Contract Amount, $ 6856.00 Government Participation: 75 % Amount, $ 5142.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shaft (25 ft)	1075.00	None	1075.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
xxx Ex.Magazine	15.00	None	15.00			
Toolhouse	76.00	None	76.00			
Powder Magazine	25.00	None	25.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1191.00	None	1191.00	1191.00	–	1191.00

RECEIVED JUL 1 1957 D.M.E.A.

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

Date 6/10/57 *Payee Mitch Lincoln Mining Co.

Per Woodrow Zeeks Title Partner

*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:

$ 893.25

Signature Helen R. Miller
(Authorized Certifying Officer)

Date JUN 27 1957 Vou. No. 212
(See other side)

297.75

(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-1067 in accordance with the terms of the contract.

Signature S. C. Bugman Title GEOLOGIST, U. S. G. S. Date JUN 20 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lemmon Title EXECUTIVE OFFICER DMEA FIELD TEAM REGION V Date JUN 20 1957

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 195 7 Docket No. DMEA 4537 Contract No. Ken E-1067

Operator's Name Mitch Lincoln Mining Co. Minerals Mica

Address c/o Brad Ragan, 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								
Raising								
Shafts	ft	1075.00	25	1075.00	25	43.00	80	43.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Powder Magazine	1	25.00	1	25.00	1	25.00	1	25.00
Jig Magazine	1	15.00	1	15.00	1	15.00	1	15.00
Toolhouse	1	76.00	1	76.00	1	76.00	1	76.00
TOTAL DISTRIBUTED COSTS		1191.00		1191.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1191.00		1191.00				6856.00

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.

REMARKS:

Date 6/10/57 Operator Mitch Lincoln Mining Co.

Per Woodrow Jenkins Title Partner

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)

RECEIVED JUL 1 1957 D.M.E.A.

S. C. Bergman GEOLOGIST, U. S. G. S.

JUN 20 1957

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

DMEA No. 4537

OPERATORS
MONTHLY PROGRESS REPORT
for the
MONTH OF APRIL 1957

Work Accomplished

Cut timbers for shaft opening. Timbered opening. Completed tool shed, explosive magazine, and powder magazine. Drilled, blasted and mucked for a total of 25 feet of shaft sunk.

Daily Notes

April 2. Hauled in lumber for buildings, cut timbers, and worked on magazines and shed.

April 3. Worked on tool shed and magazines and got poles for boom & mast.

April 4. Finished magazines and tool shed. Timbered shaft opening. Set boom & mast poles.

April 5. Completed all preparatory work for mining.

April 8. Drilled and blasted first round, mucked. 2 ft.

April 9. Drilled and blasted, mucked, 2 ft. sunk.

April 10. Drilled and blasted, mucked, 2 ft. sunk.

April 11. Drilled and blasted, mucked, 3 ft. sunk.

April 12. Drilled and blasted, mucked, 2 ft. sunk.

April 17. Drilled and blasted, mucked, 2 ft. sunk.

April 18. Drilled and blasted, mucked, 3 ft. sunk

April 19. Drilled and blasted, mucked. 2 ft. sunk

April 22. Drilled and blasted, mucked. 2 ft. sunk

April 23. Drilled and blasted, mucked. 2 ft. sunk

April 24. Drilled and blasted, mucked. 3 ft. sunk.

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RECEIVED JUN 1 1957
DATE | INITIALS | CODE

For the work accomplished we used 156 electric caps and 425 pounds of dynamite.

17#/ft

#442

INTERIM REPORT

DMEA-4537, Idm-E1067 (Mica) MITCH-LINCOLN MINE

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, N. C.

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland road, Mitchell Co., N. C.

Shaft sinking continues on this contract and new work completed from the existing 15 foot shaft places the present bottom at 48 feet. The keel of the body has been intercepted and inclined shaft sinking is following the plunge to the southwest. The pegmatite material encountered during the interim is composed of quartz, Na feldspar, accessory garnet and is rich in small to medium sized books of muscovite. No sales of mica have been made to date, according to the operator, but mica production has been fair to good, and both processed mica and mine-run book is in storage.

A partitioned manway has been extended to 18 feet below the surface and will be lowered gradually in the future. Discussion was held with the operator concerning this work and future shaft sinking. Progress on this contract has been satisfactory.

Mr. V. J. Lynch, Bureau of Mines member of the Field Team, Region V, accompanied the Examiners on this visit to the mine.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 13 1957

DATE	INITIALS	CODE
5/13	JWD	220
14	Com	100
14	Arch	600

L. E. Shirley

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

S. C. Bergman

S. C. Bergman and E. L. Boudette
Geologist, U. S. Geological Survey

April 30, 1957

INTERIM REPORT

DMEA-4537, Idm-E1067 (mica) MITCH-LINCOLN MINE

Operator: Mitch-Lincoln Mining Co., c/o Woodrow Sparks, Bakersville, N. C.

Location: 0.78 airline miles N85°W of the intersection of State Highway 26 and the Penland road, Mitchell Co., N. C.

The starting date on this contract is April 1, 1957. Shaft sinking is underway and 18 feet of shaft has been completed in new ground. This places the present shaft bottom at 41 feet from the surface and is inclusive of the original 15 feet of existing shaft plus 8 feet of shaft completed by the Operator at his own expense while the contract was in process of preparation. All of the work has been conducted in pegmatite composed of Na feldspar, quartz, considerable small muscovite, and accessory garnet and apatite. The Operator could not give an estimate of block mica recovered from shaft work, but stated that some mica had been processed for a sale to be made in the near future. No mica sales have been made to date from previous shaft work, according to the Operator.

Equipment at the site consists of a 105 c.f.m. Chicago-Pneumatic air compressor, Wisconsin, single drum, gasoline hoist, drilling accessories and small tools. A conventional hoisting rig has been erected and a tool house and magazines have been built. Instructions were given for continued shaft sinking.

OFFICIAL RECORD COPY
DMEA
RECEIVED APR 29 1957

DATE	INITIALS	CODE
4/29	C	220
5/1	CAM	100
5/2	[illegible]	600

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

E. L. Boudette
E. L. Boudette, Geologist
U. S. Geological Survey

April 16, 1957

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

OFFICIAL FILE COPY
DMEA
RECEIVED APR 10 1957

DATE	INITIALS	CODE
4-10	C	220
4/10	B	215
		600

April 8, 1957

Memorandum

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

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

Subject: Signed Contract - Idm-E1067, DMEA-4537 (Mica)
Mitch-Lincoln Mining Company, Mitchell County, N. C.

Transmitted are three signed copies of the subject contract.

The usual distribution of the other copies has been made.

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

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

as
cc
Opr. Com. 2
Finance Office
Lynch
Files

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/7	Anderson	600
3/7	Houk	600
3-18	Chambers	800
	Mica	130
3/7	Jones	110
	North Carolina	
	Mitchell Co	100
		220

MAR 11 1957 600

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

Subject: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

Enclosed are the original and five copies of a proposed short-form contract signed by the Administrator for the Government. It consists of the form, Annex I (2 pages), Consent to Lien and Subordination Agreement, Exhibit A (2 pages), and two maps. Also enclosed are two extra copies of Annex I, Exhibit A, and the maps for Field Team use.

The execution of this contract is subject to the attachment of a Consent to Lien and Subordination Agreement of Nora and Homer Ellis, who along with Mrs. Dora Ellis, executed the Ellis property lease. Accordingly, please arrange with Mr. Fred R. Ellis for the signatures of Nora and Homer Ellis along with Dora Ellis on the enclosed forms. The addresses of the lessors should also be filled in.

If the proposed contract meets with your approval, present it to the Applicant for execution. Please explain to the Applicant that the contract is a firm commitment to complete the work outlined at the agreed cost. Copies of the executed contract are to be distributed in the usual manner.

If any part of this proposed contract does not have either your approval or that of the Applicant and cannot be amended within your delegated authority, then the original and all copies of the contract and the two extra copies of Annex I, Exhibit A and the maps are to be returned to this office, together with the proposed changes for consideration.

Copies of memoranda dated January 15 and 22, 1957, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

WCAnderson:gad 3/7/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Approved:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 16

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

8623

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

MAR - 5 1957

Memorandum

To: The Administrator, DMEA
Attention: Chief, Nonmetallic Minerals Division

From: Associate Solicitor, Division of Mineral Resources

Subject: Docket No. DMEA-4537, Mitch-Lincoln Mining Company (J. A. Burris, et al.), mica

Pursuant to the request of Mr. Houk on reference slip dated February 25, 1957, the attached contract has been prepared in satisfactory legal form for execution, subject to the attachment of a Consent to Lien and Subordination Agreement of Nora and Homer Ellis. These two persons, along with Mrs. Dora Ellis, executed the Ellis lease but we found no Consent to Lien executed by them.

Robert P. Dwyer

Attachments

Memorandum March 6, 1957.

To: Files

By: Walter C. Anderson

Subject: Evaluation of application and field examination report.
Docket No. DMMA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina

A contract is recommended

Mica: Greenish-brown, essentially flat, occasionally lochy, reeved, and edge cracked. Occasional biotite and/or iron oxide intergrowths. Flat, clear mica is well above average.

Pegmatite: Strong dike-like peg exposed intermittently over a strike length of at least 200 feet. At site of proposed exploration it is ± 6 feet thick, zoned, concordantly implaced in well-banded fine grained hornblende gneiss. Composed of perthite, mixture of snow-white, medium to coarse grain albite oligoclase, disseminated garnet, and muscovite which makes up about 15% of the albite-oligoclase zone.

Old Workings: Shallow cuts over a distance of 200 feet and a 15-foot deep prospect shaft.

Past Production: About 200 pounds of hand-cobbed block mica, which represents about 1 pound of hand-cobbed mica per cubic foot of pegmatite.

Method of exploration: The applicant and the Field Team propose to sink an 80 foot shaft, drifting: applicant 120 feet, the Field Team 100 feet.

Applicant's request	$8,800.00
Field Team's recommendation	$7,122.00
Nonmetallic Minerals Div. estimate	$6,856.00

Economics: The difference in cost between the estimates of Field Team and Nonmetallic Minerals Division arises from a higher rental of equipment by the Field Team and increasing Field Team's advance per shift for shaft sinking from 1.53 to 1.6 feet, and for drifting from 2.0 to 2.2 feet.

Recommendation: The Nonmetallic Minerals Division and the commodity member of the Bureau of Mines and Geological Concur in the Field Team's recommendation for a contract.

Burris MANUFACTURING COMPANY, INC.
MAKERS OF FINE UPHOLSTERED LIVING ROOM FURNITURE
PHONE RE-55351
P. O. BOX 31
LINCOLNTON
NORTH CAROLINA

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 20 1957
DATE | INITIALS | CODE
2-20 | C | 220
2-21 | ma | 600

February 18, 1957

Lawrence G. Houk, Chief
Nonmetallic Minerals Division
United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina

Dear Sir:

I have just completed the forms requested in your letter of January 24th and same are enclosed herewith. You will find a lease that I had perviously obtained on all the land belonging to Dora Ellis south of the proposed exploration. You will also find where I sublet a portion of the property requested in your letter to Mitch-Lincoln Mining Company and Consent to Lien both from Mrs. Dora Ellis that owns the property adjunct the mine and from the land owners to Mitch-Lincoln Mining Co.

If any further information is needed please call me collect and I will forward same to you. I would appreciate your directing all correspondence relative to this matter to the writer.

Yours very truly,

Fred R. Ellis

Fred R. Ellis

FRE;fb

Encls.

SHOWROOMS:
CHICAGO
DALLAS
NEW YORK
HIGH POINT
SAN FRANCISCO

Originators of the Famous Fairsex Fireside Chair

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/24	Houk	600
"	Mittenzwey	100
1-24	CW	229
		600

600

JAN 24 1957

Messrs. J. A. Burris, Brad Ragen,
Fred R. Ellis and Woodrow Sparks
Bakersville, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina

Gentlemen:

Reference is made to your application for exploration assistance and the land area under lease.

Since the proposed shaft is but 66 feet north of the property line your right to explore in a southerly direction is limited. Therefore, the Field Team have suggested that you obtain a lease on the area to the south. We would be pleased to receive a copy of a lease, and properly executed Consent to Lien and Subordination Agreements (six copies are enclosed). The new area should extend southward at least 350 feet from the mine and extend 350 feet eastward and 350 feet westward. The lessors of the 104 acre tract must also execute a Consent to Lien and Subordination Agreement (six copies are also enclosed).

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosures 12

LGHouk:gad 1/24/57
Copy to: Admr. R. File
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

OFFICIAL FILE COPY DMEA RECEIVED JAN 22 1957		
DATE	INITIALS	CODE
1-22	CW	220
2-21	WCA	600

January 22, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Branch of Ceramic and Fertilizer Materials

Subject: DMEA- 4537 (mica)

Applicant: Mitch Lincolm Mining Company

Name and Location of Property: Mitch Lincoln Mine
Mitchell County, North Carolina

Date of Field Team Report: January 8, 1957

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: January 15, 1957

Field Team Recommendation: Recommended for DMEA assistance.

Comments:

1. Field Examiners report a mica-rich pegmatite exposed in a 15 foot deep prospect shaft and in scattered outcrops over a strike length distance of about 200 feet.

2. The applicants have reportedly recovered about 700 pounds of hand-cobbed block muscovite from initial work on this prospect.

3. This deposit appears to have possibilities for the development of strategic mica.

Recommendation:

I concur with the recommendation of the field team that DMEA assistance be granted.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 16 1957

DATE	INITIALS	CODE
1-16	CW	220
1-17	[illegible]	600

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

January 15, 1957
Re: DMEA 4537
Mitch-Lincoln Mining Company
Mitch-Lincoln Mine
Mitchell County, North Carolina
$7,122.00 - Mica

Memorandum

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

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring a zoned pegmatite, 6 feet wide and exposed intermittently and indicated by float for 200 feet.

The examiners because of the demonstrated mica-bearing potential, the mineralogy and the generally favorable environment recommend that a contract, approving the expenditure of $7,122.00 on 80 feet of shaft and 100 feet of drifting, be awarded.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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

CENTRAL FILE COPY
DMEA
RECEIVED JAN 16 1957

DATE	INITIALS	CODE
		130
1-15	C	220
1-21	WM	600
1-15	LGH	600
1-15	JH	600

January 8, 1957

Memorandum

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

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

Subject: Examination Report - Mitch Lincoln Mining Company
Bakersville, North Carolina
DMEA-4537, Mitch-Lincoln Mine (mica), Mitchell County

Enclosed are the original and three copies of the subject report and nine copies of the map.

The Field Team agrees with the recommendation of the field examiners.

V. J. Lynch
Acting Executive Officer

Helmuth Wedow, Geologist
U. S. Geological Survey

Enclosures 13

Reviewed by
DMEA OPERATING COMMITTEE
1-14-57
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

130 ~~216~~
220

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION, REGION V

On

DMEA-4537, THE MITCH-LINCOLN MINE (Prospect) - mica
Mitchell County, North Carolina

On-Site Exam Rept

By

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

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

and

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

Reviewed by
DMEA OPERATING COMMITTEE
1-14-57

December 12, 1956

FIELD EXAMINATION REPORT

On

DMEA-4537, THE MITCH-LINCOLN MINE (Prospect) - Mica

Applicant: Mitch Lincoln Mining Company, Bakersville, North Carolina (Partners - J. A. Burris, Brad Ragen, Fred R. Ellis, and Woodrow Sparks)

Summary

A 6-foot thick mica-rich pegmatite has been exposed in a 15-foot deep prospect shaft as well as in scattered outcrop, open cut and float over a strike length distance of about 200 feet. The coarse texture, excellent mineralogic assemblage, abundance of strategic mica, and good indicated structural continuity highly recommend this prospect for DMEA assistance. The overall setting and environment are strikingly similar to that found at the R. B. Phillips Mica Mine, the areas leading mica producer (DMEA-3422 and DMEA-4388). Rarely do the examiners see a pegmatite with as good indicated mica potential as is represented by the subject prospect.

Introduction

Location

The pegmatite outcrops on the east slope of Otter Knobs at an elevation of about 3000 feet. It is 0.78 airline miles N. 85° W. of the intersection of State Highway 26 and the Penland road in Mitchell County, North Carolina (Spruce Pine, N. C. quad., TVA Ed. 1934, 1:24,000).

Examination

The examination took about 1½ hours time and was conducted in a heavy rainstorm. The examiners were accompanied by Mr. Woodrow Sparks, Fred Ellis, and Claude Willis. Mr. Sparks is a mica miner of wide experience and until recently was foreman and a partner in the highly productive R. B. Phillips mine. The other applicants are successful business men in other fields.

A narrow shelf has been excavated by the applicants in a steep (40-50°), rocky, and wooded slope to expose the pegmatite and produce a suitable work platform. A 15-foot deep prospect shaft, 6 x 7 feet in cross-section, was sunk on the outcrop. It was excavated in hard unweathered pegmatite and has been satisfactorily cribbed about the collar. The proposed exploration is an extension of this shaft.

About 100 feet south is an old shallow open cut in pegmatite. Because of its composition, this segment of the pegmatite was probably mined for its feldspar content. North, south and intermediate to the two main exposures are scattered outcrop and large float blocks of pegmatite over a strike length distance of at least 200 feet.

Access is by about 4500 feet of farm road and bulldozed jeep trail from the paved Penland road. The last 1500 feet of road is fairly steep and difficult to traverse in wet weather even with a jeep.

At the site is a 105 CFM tracked Chicago Pneumatic compressor, a fairly new Model 19 B JL, CH & E hoist and a straight leg-boom and bucket hoisting arrangement.

A requested tie-in of the prospect site to property boundaries as well as a metes and bounds description of the subject property was received on December 26 and is plotted, as described, on the enclosed property map. The description was contained in a mining lease from the property owners (Ragen - Burris - Ellis) to two of the applicants - Mr. Woodrow Sparks and Fred Ellis. The requested tie-in survey shows the prospect shaft to be 66 feet north of the property line which coincides with an old wire fence (see map). The examiners suggested to the applicants that they try to secure a lease on property to the south of this line.

Geology

A strong dike-like pegmatite is exposed intermittently over a strike length distance of at least 200 feet. The site of proposed exploration is a shallow bulldozer excavation exposing about 8 strike length feet of hard, unweathered pegmatite. A 15-foot deep prospect shaft inclined with the pegmatite has been sunk on the exposure. The pegmatite at this point is ± 6 feet thick and strikes N. 10° W. dipping roughly 60° southwest into the hillside. It is concordantly/implaced in well-banded fine grained hornblende gneiss with a thin wall zone of coarse grained biotite schist. Numerous well defined subparallel dragfolds or convolutions are present on both margins of the pegmatite. The axial trace of these structures plunges 15-20° to the south. The pegmatite is mineralogically zoned or "layered". A 1-2 foot zone of coarsely crystalline buff colored perthite is present on the footwall with individual crystals ranging in size up to 15 inches. The other 4 to 5 feet of pegmatite is composed of a mixture of snow-white medium to coarse grain albite-oligoclase, disseminated quartz, and greenish-brown muscovite. Relatively large masses of quartz and books of muscovite are more or less centrally located with the amount and size of crystals decreasing towards the hanging wall contact. Coarse red garnet and green apatite occur as accessory minerals in the central portion of the pegmatite. The apatite is concentrated along the hanging wall of the perthite zone. Occasional sericite occurs in the albite-oligoclase zone along crystal boundaries and fracture planes.

Muscovite makes up about 15% by volume of the albite-oligoclase zone of which possibly 2/3 is in books of strategic size. Books up to 8 inches across and 3 inches in thickness were observed. The muscovite is greenish-brown in color and essentially flat, but occasional locky, reeved, and edge cracked books were noticed. Occasional fine mineral intergrowths (biotite and/or iron oxides) are present generally near the sheet margins. Although defects are not uncommon, the quantity of flat-clear muscovite indicated in the limited exposure is well above average. The applicants have reportedly recovered about 700 pounds of hand-cobbed block muscovite which to date has not been sold. This represents about 1 pound of hand-cobbed block per cubic foot of pegmatite removed.

About 100 feet south and along strike is a shallow open cut about 40 feet long in which pegmatite is continuously exposed. Pegmatite strikes generally N. 25° W. and dips 55 - 90° southwest. At the north end of the cut there is a strong roll and bulge in the pegmatite. The strike changes to about N. 25° E. and the dip reverses in the vertical plane from 65° NW to 75° SE. Pegmatite at this point thickens to about 15 feet. At the south end of the cut, pegmatite is about 6 feet thick. This exposure is believed to be the same structure as is exposed at the shaft, but is more feldspathic, and is deficient in quartz and muscovite. It is believed to have been mined for its feldspar content.

North and south of the two main exposures as well as intermediate between them, are scattered outcrops and pegmatite float indicating strong structural continuity.

Conclusions and Recommendations

This prospect offers very good possibilities for the future production of strategic mica. The applicant has done a limited amount of work which has properly exposed the pegmatite.

The prospect shaft has been collared and is in good condition for future sinking. In order to adequately explore this prospect the following program is recommended. Build a standard toolhouse, powder magazine and exploder magazine, sink 80 feet of shaft and from the shaft bottom drive 100 feet of drift and/or crosscut in pegmatite. An access road has recently been constructed to the site by the applicant.

Estimated costs:

Construct:		
Toolhouse	$75.00	
Powder Magazine	25.00	
Exploder Magazine	15.00	
		$115.00
Sink 80 feet of shaft, 5' x 7' in cross-section and install separated partition and manway (52 shifts) 1.53		
use 1.6 ft/shift = 50 shifts		
Labor:		
1 - Foreman-Miner @ $1.75/Hr.	728.00	700.00
1 - Hoistman @ $1.50/Hr.	624.00	600.00
1 - Laborer @ $1.00/Hr.	416.00	400.00
	1768.00	= 1700.00
Equipment (Rental):		
1 - 105 c.f.m. Air Compressor @ $150/Mo.	390.00	250/mo.
1 - Single drum gasoline-powered hoist @ $50/Mo.	130.00	625.00
1 - Air Rockdrill @ $40/Mo.	104.00	
1 - Sump pump with air hose @ $40/Mo.	104.00	
	728.00	

Supplies:		
Gasoline and oil	$160.00	
Explosives	260.00	
Drill steel	144.00	
Timber - 2000 b.f. @ $65/M	130.00	
Small tools, pipe, etc.	160.00	
Sales Tax	26.00	
Liability Ins. & Social Security	198.00	
	1078.00	
($44.68/ft) Estimated Cost of Shaft Sinking		$3,574.00
		3403.00
		use $43/ft.

Drive 100 feet of drift 5' x 7' in cross-section and timbered where necessary (50 shifts)

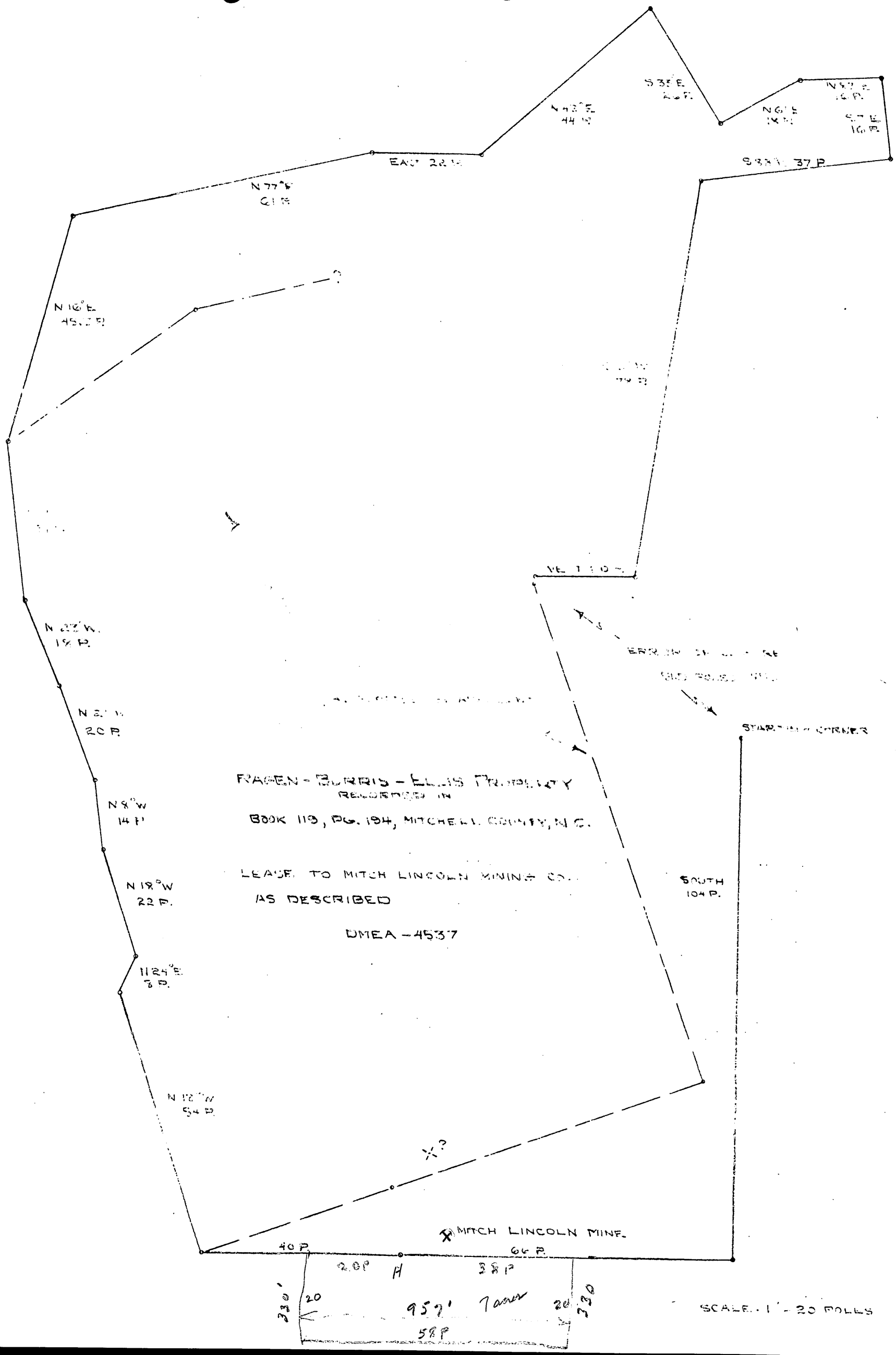
Use 2.2 ft/shift = 46 shifts

Labor:		
1 - Foreman-Miner @ $1.75/Hr.	700.00	644.00
1 - Hoistman @ $1.50/Hr.	600.00	552.00
1 - Laborer @ $1.00/Hr.	400.00	368.00
	1700.00	1564.00
Equipment (Rental):		
1 - 105 c.f.m. Air Compressor @ $150/Mo.	375.00	
1 - Air Rockdrill with air hose @ $40/Mo.	100.00	
1 - Air Jackleg @ $25/Mo.	63.00	
1 - Air Sump Pump @ $40/Mo.	100.00	
	638.00	575.00
Supplies:		
Gasoline and oil	175.00	
Explosives	309.00	
Drill steel	150.00	
Timber - 2000 b.f. @ $65/M	130.00	
Small tools, pipe, etc.	115.00	
Sales Tax	26.00	
Liability & Social Security	190.00	
	1095.00	3234
($34.33/ft) Estimated Cost of drifting		$3,433.00
ESTIMATED TOTAL COST OF PROJECT	use $33.00/ft.	$7,122.00

Examined: December 12, 1956

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

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


N 77°E
61 P.
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16 P.
37 P.
SOUTH
104 P.
FRAGEN - BURRIS - ELLIS PROPERTY
RECORDED IN
BOOK 119, PG. 194, MITCHELL COUNTY, N.C.
LEASE TO MITCH LINCOLN MINING CO.
AS DESCRIBED
DMEA - 45337
MITCH LINCOLN MINE
40 P.
66 P.
20 P
38 P
H
20
20
330'
330
957' Tower
58 P
SCALE: 1" - 20 POLES

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
ROOM 151 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

January 9, 1957

Memorandum

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

From: Acting Executive Officer, DMEA Field Team, Region V

Subject: DMEA-4537 - J. A. Burris, et al.
Mitch-Lincoln Mine, Mitchell County, North Carolina

Enclosed is copy of mining lease which was received in this office on December 26, 1956. The examination report was mailed to you yesterday.

Mr. Fred R. Ellis advised that he had the agreement made in duplicate and the other had gone to the Register of Deeds, Mitchell County to be recorded.

V. J. Lynch

V. J. Lynch

Enclosure

Docket Copy
Surname:

Hopkins
Houk
Selfridge
[illegible]

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

NOV 30 1956

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

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell 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 dated November 14 and 20, 1956, by Mr. H. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge
(Rep as)
Chairman, Operating Committee

Approved:
Frank D. Lamb
(Rep as)
Member, Bureau of Mines

Thor H. Kiilsgaard (Rep as)
Member, Geological Survey

Enclosures 4

JHopkins:gad 11/28/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

[illegible]

Docket Copy
Surname:
Hopkins
Houk
Kiilsgaard
Lahr
Selfridge
Johnson

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

NOV 30 1956

Messrs J. A. Burris, Brad Ragen,
Fred R. Ellis and Woodrow Sparks
Bakersville, North Carolina

Re: Docket No. DMEA-4537-Mica
J. A. Burris, et al.
Mitch-Lincoln Mine
Mitchell County, North Carolina

Gentlemen:

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 V, 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 you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittenhof

Administrator

JHopkins:gad 11/28/56
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

November 20, 1956

RECEIVED
NOV 21 1956
D.M.E.A.

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4537 (mica)

Applicant: J. A. Burris, Brad Ragen, Fred R. Ellis and Woodrow Sparks (Partners)

Name and Location of Property: Mitch-Lincoln, Mitchell County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/13/56

Comments:

1. Applicants state that a large amount of mica has been obtained from preliminary bulldozer work on a pegmatite vein.
2. Proposed exploration is not explicit and the estimate of expenditures should be made on a unit-cost basis.
3. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

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.

W. F. Dietrich

W. F. Dietrich

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

IN REPLY REFER TO:

RECEIVED
NOV 15 1956
D.M.E.A.

November 14, 1956

Re: DMEA 4537
J. A. Burris and partners
Mitch-Lincoln Mine
Mitchell County, N. C.
$8,800 - Mica

Memorandum

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

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

Subject: Review of application

The applicants request assistance in exploring a rediscovered pegmatite on which a small amount of work was once done. New work leads the applicants to believe the 6-foot pegmatite is strategic mica-bearing and should be explored by an 80-foot shaft and 120 feet of drift. No data in support of the opinion are offered.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

November 13, 1956

Mr. J. A. Burris
Bakersville,
North Carolina

Subject: DMEA-4537
Re: Exploration Assistance
Mitch-Lincoln Mine

Dear Mr. Burris

Your application for exploration assistance, dated November 1, 1956 submitted to our office at Knoxville, has been assigned Docket Number DMEA-4537 and referred to the Nonmetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region V. Knoxville, Tennessee

Code 600

3571

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
ROOM 1 FOST BLDG
KNOXVILLE 2, TENN.

RECEIVED NOV 13 1956 D.M.E.A.

November 8, 1956

Memorandum

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

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

Subject: Application from J. A. Burris, Brad Ragen, Fred R. Ellis and Woodrow Sparks, Partners, Bakersville, N. C. Mitch-Lincoln Mine, Mitchell County, Bakersville, N. C.

Enclosed are three copies of the subject application with sketch map. We are keeping the fourth copy.

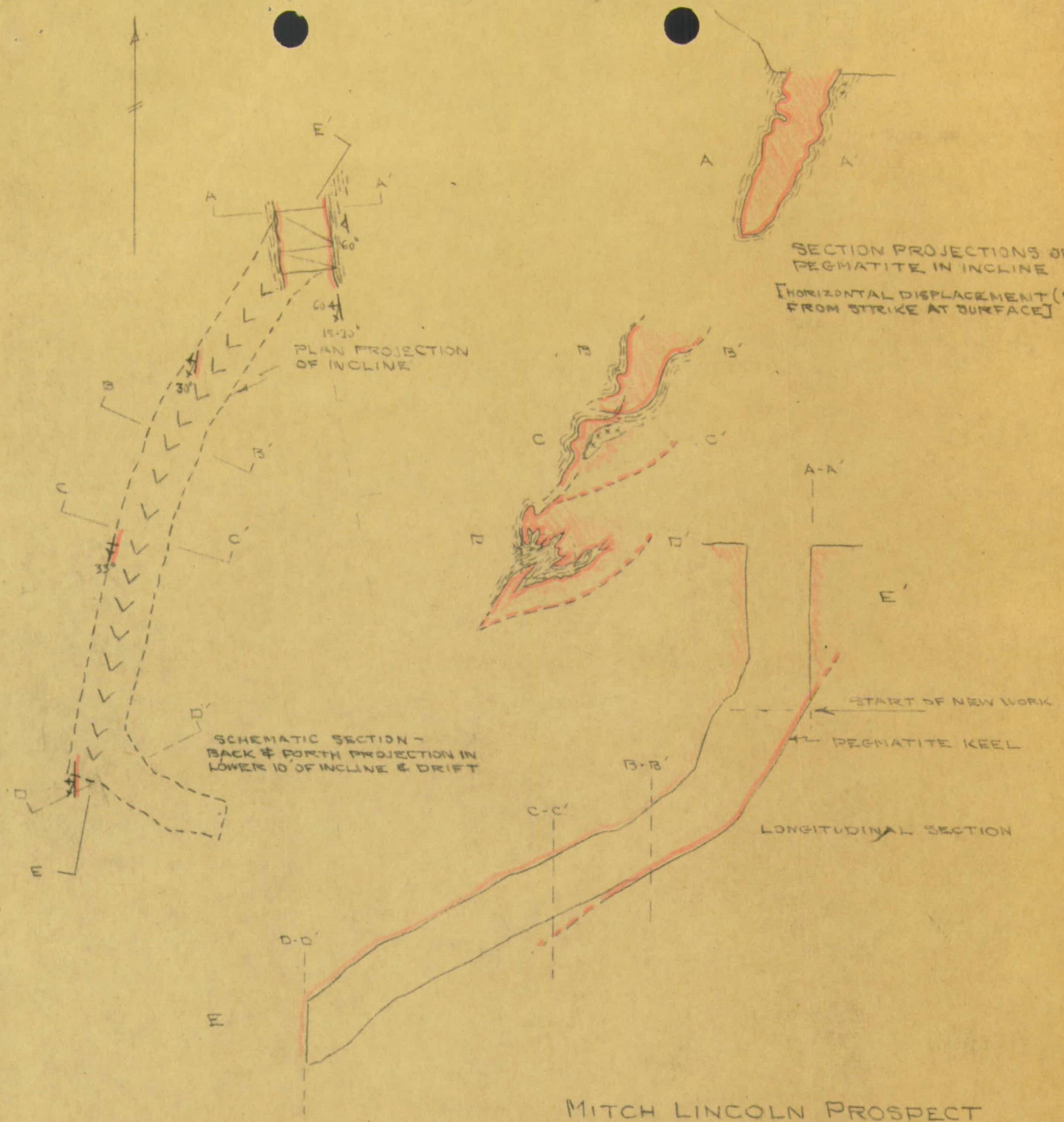
Robert A. Laurence

Robert A. Lsurence
Executive Officer

V. J. Lynch

V. J. Lynch
Member, Bureau of Mines

Enclosures 3



MITCH LINCOLN PROSPECT
MITCHELL COUNTY, NORTH CAROLINA

DMEA-4537, Idm-E1067
(MICA)

LEGEND

- PEGMATITE (IN PLAN & SECTION)
- INTERLAYERED QTZ-MUSCOVITE-BIOTITE GNEISS AND HORNBLENDE GNEISS & SCHIST

SCALE: 1" = 20'

50'
40'
FLOAT ?
30'
20'
10'
0'
N
PROPOSED
EXPLORATION SHAFT
ACCESS
ROAD
60
A
A'
60°
15-20°
A
A'
LEGEND
BLOCKY PERTHITE ZONE
MUSCOVITE-QTZ IN
ALBITE-OLIGOCLASE
HORNBLENDE GNEISS
FELDSPATHIC PEG.
MICA-QTZ DEFICIENT
EXCAVATION
DUMP
MITCH LINCOLN MINE
MITCHELL COUNTY, NORTH CAROLINA
DMEA - 4537 (MICA)
PROPERTY LINE
OLD FENCE
SCALE: 1" = 10'
0
5
10
15
20
65°
75°
70-90°
65°
50'
40'
30'
20'
55°
10'
0'
SCATTERED EXPOSURES
SOUTHEAST ALONG STRIKE

SCB 12/56

RECEIVED
JAN 10 1957
D.M.E.A.

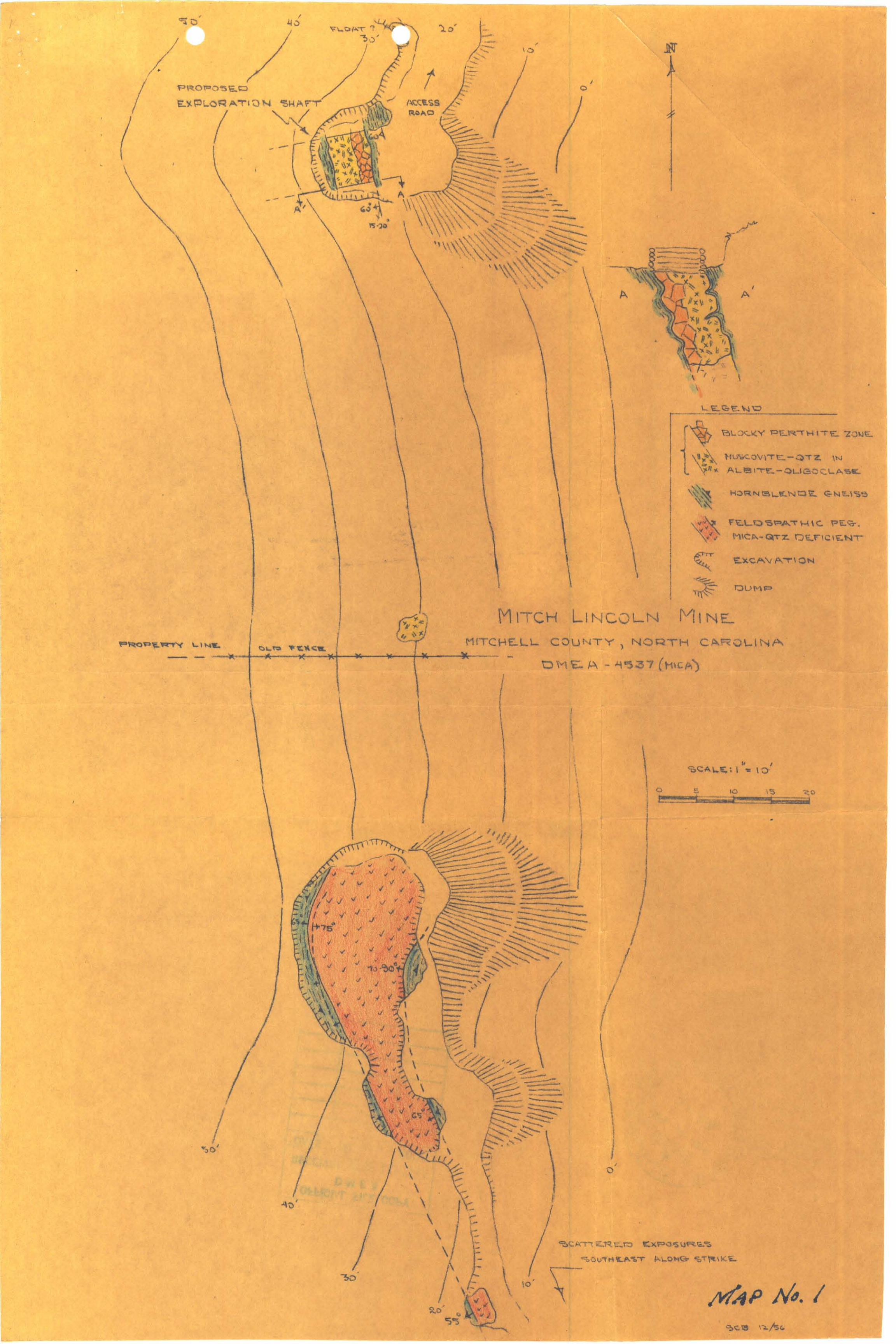
RECEIVED
JAN 10 1957
D.M.E.A.

Book #119
Page 194
Mitchell County
Bakersville N.C.

Walnut Tree
N 18 W 54
Anthrs Hole
N 22 E 8
Apple Tree
N 18 W 22
cliff of Rock
N 18 W 14
Peach Tree
N 22 W 20
stake
N 22 W 15
stake
N 7 W 31
Peach Tree
N 16 E 45½
Double Locus Jarrett corner
N 77 E 31
Hickory W.T. Norman
S 22 E
stake
N 69 E 14
Small Oak
S 33 E 26
Black Tom
N 61 E 18
stake
N 87 E 16
J J Connell Corner W.T. Norman
Ownes of Chestnuts
S 16 E
Sarewillis Corner
Chestnut Oak
S 83 W 37
Toro Rose
Chestnut Tree
Sawmill
Bakersville
Bakersville Spruce Pine Rd
Spruce Pine
Bakersville Spruce Pine Rd leads to mine
Jane-Tommy and Henry Touse old Corner
white Oak
104 poles
7 to ½
Cucumber Tree
Hickory
101
66
49
54
8
22
14
20
18
31
45½
61
22
44
26
18
16
16
37
18
20
W
S
N
E

(X) mine is located in this area
new Rd all the way

MITCH - LINCOLN MICA MINE


50'
40'
FLOAT ?
30'
20'
10'
0'
N
PROPOSED
EXPLORATION SHAFT
ACCESS
ROAD
60°
A
A'
60°
15-20°
A
A'
LEGEND
BLOCKY PERTHITE ZONE
MUSCOVITE-QTZ IN
ALBITE-OLIGOCLASE
HORNBLENDE GNEISS
FELDSPATHIC PEG.
MICA-QTZ DEFICIENT
EXCAVATION
DUMP
MITCH LINCOLN MINE
MITCHELL COUNTY, NORTH CAROLINA
DMEA - 4537 (MICA)
PROPERTY LINE
OLD FENCE
SCALE: 1" = 10'
0
5
10
15
20
65°
75°
70-90°
65°
50'
40'
30'
20'
55°
10'
0'
SCATTERED EXPOSURES
SOUTHEAST ALONG STRIKE
MAP No. 1
SCB 12/56