DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE E-1046 DMEA NO. 4448

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(Withdrawn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 letter
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

R.C.B.

9775

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Lewis Aldridge, Sam Brown, and W. S. Flynt
d/b/a Johnson Mine
Spruce Pine, North Carolina

pertaining to Exploration Project Contract No. Idm-E1046, DMEA No. 4448, for the months of January 1957 to April 1957, inclusive, covering a project for the exploration of mica on property, known as the Johnson Mine located in Avery County, North Carolina.

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

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

all of the costs incurred were under a contract provision for payment by the Government on the basis of 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		$6,644.00
Exceptions:		
Prior to this review	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$6,644.00

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 Four thousand nine hundred eighty-three and no/100 Dollars

$4,983.00

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

E. D. Talbert

E. D. Talbert, Auditor

May 24, 1957

Docket Copy

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 2 1957

DATE	INITIALS	CODE
1-2-57	C	220
1-2-57	B	215
1-3-57	WCA	600

MF-200A
(Rev. April 1956)

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

DMEA No.	Commodity	Contract No. Idm–E	County	State
4448	Mica	1046	Avery	North Carolina

It is agreed DEC 2 0 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Johnson Mine, a partnership comprised of Lewie Aldridge, Sam Brown and W. S. Flynt

whose mailing address is C/o Lewis Aldridge
Spruce Pine, 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 FEB 1 5 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 $6,644.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $4,983.00, 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 owners

(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 of 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.*—

Rubin
Sawyer
"Appd. Sol. Off."
Anderson
Hunt
Chambers
Selfridge

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

JOHNSON MINE
(Operator)

By Lessie Olshick (Partner)

By Lawrence Brady (Partner)

By N. Fisher (Partner)

By C. Mitkevich
Administrator, Defense Minerals
Exploration Administration

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

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE: 1956—O-383069

EXPLORATION PROJECT CONTRACT
LEWIE ALDRIDGE, SAM BROWN and W. S. FLYNT
DOCKET NO. DMEA-4448

ANNEX I

The land referred to in Article 2 of the Contract is known as the Johnson Mine, consists of 5 acres, more or less, and is located 1.8 miles east of Plumtree, Avery County, North Carolina, on a hillside north of Plumtree Creek, and about 0.26 miles south of the Slippery Elm mine on Elk Ridge. The land is more particularly described as follows:

> Beginning approximately 147 feet west of Johnson Mine [mine opening] at a locust tree and runs north 250 feet to a stake, thence east 480 feet to a stake, thence south 550 feet to a stake, thence west 297 feet to a stake, thence north 300 feet to the beginning, containing five acres, more or less. It being the intention of this lease to describe a tract of land in the shape of a trapezoid and having the opening of the Johnson Mine centrally located in this tract of land.

The Operator is in possession of the land and has the right to possession pursuant to a lease dated July 11, 1956, from Sam K. Vance, Ivor C. Vance, Friel Vance, and Clarice V. Odom, running for a period of ten years. The lease was recorded with Register of Deeds for Avery County, North Carolina, on July 23, 1956, and appears in Book 52, Page 410.

The land is shown on the sketch Map "(1)" attached to the Contract.

RECEIVED
AUG 3 1 1956

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E 1046
Contract Date DEC 2 0 1956

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Avery; State of N. C., described as follows1/

Lease dated July 11, 1956 Recorded in Book 52, Page 620 Avery County, date recorded July 23, 1956

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;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

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

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this 23 day of July, 1956.

Igor C. Vance [Seal]

Sam Vance [Seal]

Clarice V. Odom [Seal]
Fred Vance

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]

EXPLORATION PROJECT CONTRACT
LEWIE ALDRIDGE, SAM BROWN and W. S. FLYNT
DOCKET NO. DMEA-4448

EXHIBIT A

Description of the Work

Exploration for concentrations of strategic mica shall be performed in the area indicated on the attached maps (numbered (1), (2), and (3)) of the Johnson Mica Mine, Avery County, North Carolina, as follows:

1. Prepare shaft site, including removal of loose muck from an existing open cut, measuring 60 feet by 40 feet by 10 feet, amounting to approximately 889 cubic yards of excavation.

2. 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 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 doors shall be equipped with the equivalent of a 5-tumbler jarproof lock.

3. From a location at or near the bottom of the excavation, approved by the Government, sink not more than 75 feet of an inclined, two-compartment shaft.

4. Explore the pegmatite by driving, from the bottom 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. All work shall be performed on the pegmatite or in as close proximity thereto as possible.

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

Fixed Unit Costs

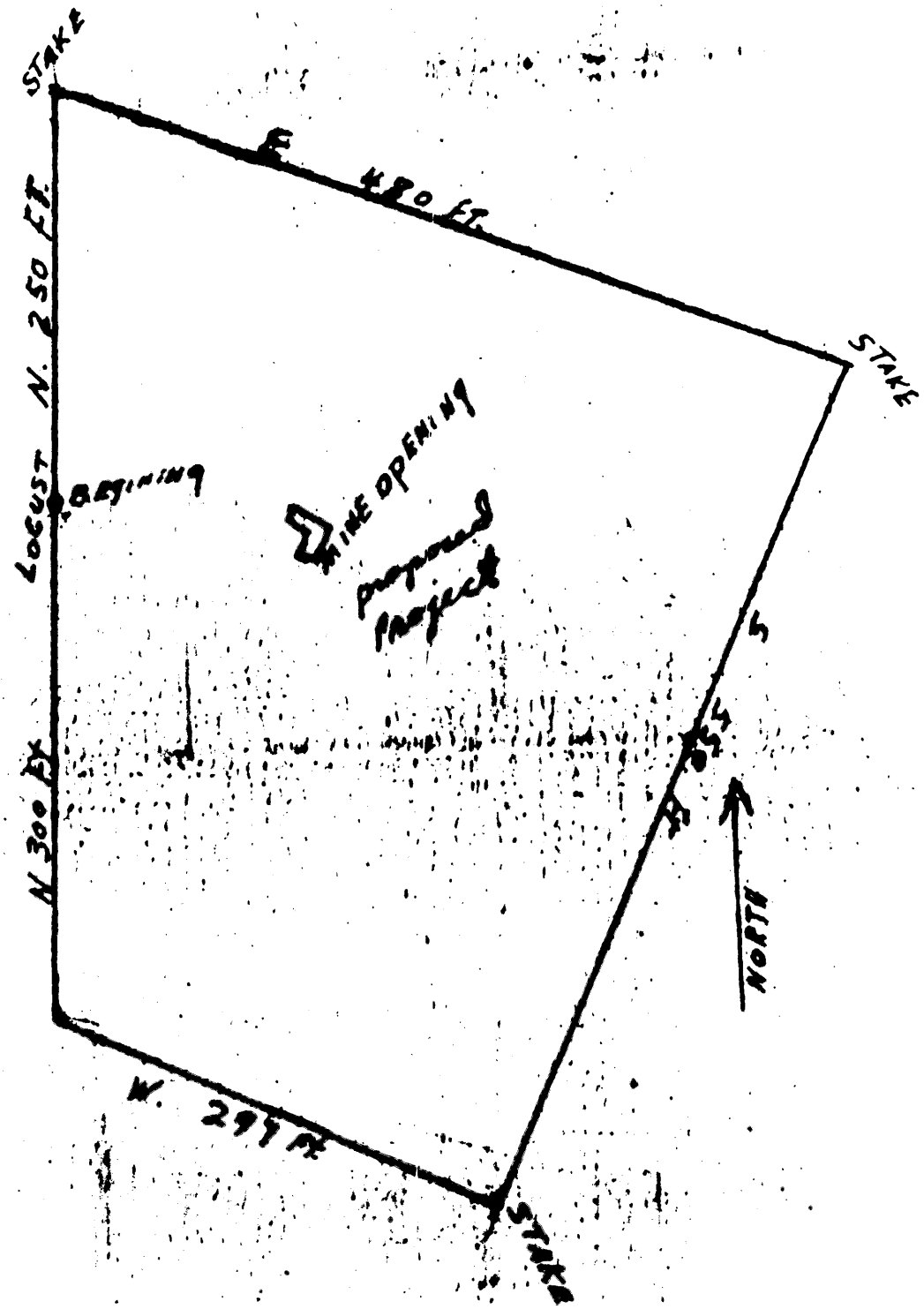
1.	Preparation of shaft site - 889 cubic yards @ $0.20/cu. yd. (rounded)	$ 178.00	
2.	Construction - Toolhouse 1/	76.00	
	Powder Magazine 1/	25.00	
	Exploder Magazine 1/	15.00	
3.	Sinking 75 feet of inclined shaft @ $42.00/ft.	3,150.00	
4.	Driving 100 feet of drifts and/or crosscuts @ $32.00/ft.	3,200.00	
	Estimated Total Cost of Project		$6,644.00
	Government Participation @ 75%		$4,983.00

1/ The completed work constitutes the unit.

[illegible] feet west of [illegible]
[illegible] 250 [illegible] to a stake, thence east [illegible]
[illegible] 550 feet to a stake thence west 297 feet [illegible]
[illegible] feet to the beginning, containing five acres, more or [illegible]
[illegible] intention of this lease to describe a tract of land [illegible]
TRAPEZOID and having the opening of the [illegible]
located in this tract of land.

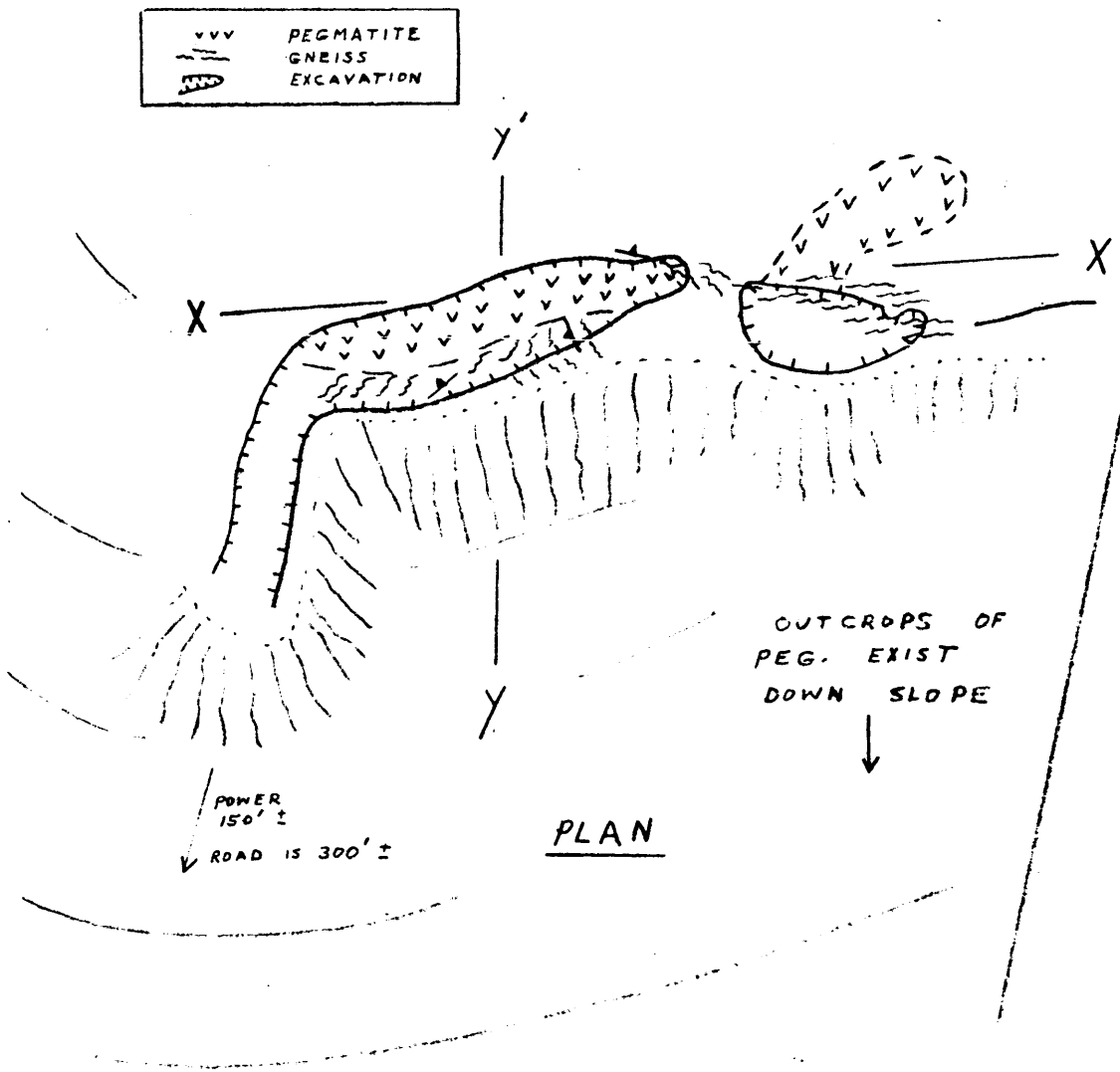
(1)

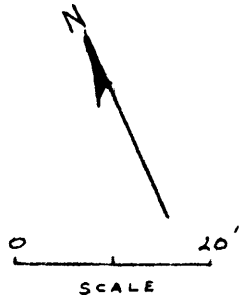
Scale 1 in. - 100 ft.



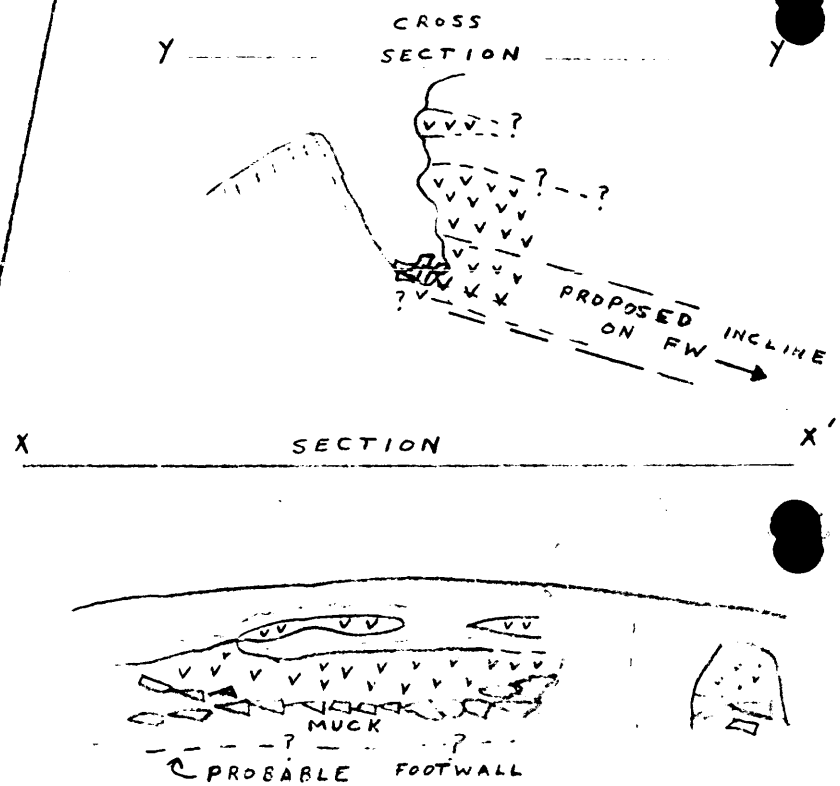
DMEA - 4448 - MICA
JOHNSON MINE
AVERY CO., N.C.

2





SECTIONS --- NO SCALE



EXAMINED: 10-17-56 BY
L.E. SHIRLEY, USBM
A.R. TAYLOR, USGS

This agreement, made this the 11th day of July, 1956, between ~~E.C. Guy~~ Sam K. Vance, Ivor C. Vance, Friel Vance and Clarice V. Odom and D. T. Vance, of Avery County, North Carolina, hereinafter called the LESSORS, and Sam Brown, Lewie Aldridge and W. S. Flynt

of Avery County, hereinafter called the LESSEE,

Witnesseth; the Lessors for valuable consideration authorize the Lessee to enter on the lands more particularly described as follows:

Beginning approximately 147 feet west of Johnson Mine [mine opening] at a locust tree and runs north 250 feet to a stake, thence east 480 feet to a stake, thence south 550 feet to a stake thence west 297 feet to a stake, thence north 300 feet to the beginning, containing five acres, more or less. It being the intention of this lease to describe a tract of land in the shape of a TRAPEZOID and having the opening of the Johnson Mine centrally located in this tract of land.

for the purpose of mining for feldspar and mica for the term of 10 ~~months~~ Years from this date, under the following conditions:

First, that the Lessee shall pay to the land owners all damages to the surface by reason of the mining operations.

Second, that the Lessee shall pay to the Lessors, or their agents 50 cents per ton on all feldspar mined on the above named property during the term of this lease, and also 1/8 of the value at the point of sale of all mica mined. The mica shall be prepared for market the usual way. A copy of invoice of each sale to be given Lessors immediately.

Third, unless otherwise agreed upon, payments of royalty on feldspar shall be made at the time of sale by allowing buyer of the feldspar to deduct same for the Lessors at the time of each sale. A copy of buyers weights shall be delivered to the Lessors within ten days after sale.

Fourth, This agreement shall be null and void if the Lessee ceases to diligently work said property or cease operations for more than 60 days without the written consent of the Lessors.

Fifth, that all mining shall be done in a workmanlike manner and all waste removed from all cuts, shafts and tunnels, and where necessary for safety of mine, pillars shall be left in said mine.

Sixth, Special conditions, if any, as follows:

Seventh, That this agreement shall immediately terminate if the Lessee fails to keep and perform all or any of the conditions as set forth above, and in that case the Lessors, their agents or assigns, may enter at once into peaceable possession of the above mentioned property, and Lessee agrees not to make claim or maintain action at law against Lessors for such re-entry.

Eighth, This agreement shall not be assignable to another without the written consent of the Lessors.

In testimony, whereof, witness our hands and seals, this the ..... day of ..... signed in ink in duplicate.

~~E. C. GUY & D. T. VANCE~~ (Seal)

Witness ..... Sam K. Vance (Seal)

Friel Vance (Seal)

Clarice V. Odom (Seal)

Ivor C. Vance (Seal)

Sam Brown (Seal)

Lewie Aldridge (Seal)

W. S. Flynt

Personally appeared before me, ...

Lesses and acknowledged before me the due execution of foregoing lease.

This the ..... day of ....., 195.....

....., N. P.

My Commission expires ..... day of....., 195.....

LEASE RECORDED JULY 23, 1956
Avery County Book # 52, page # 410

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
AUG 2 1 1956

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. 4448
Metal or Mineral mica
Date Received 8-31-56
Estimated Cost $5140
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: JOHNSON MINE, c/o LEWIE ALDRIDGE, SPRUCE PINE, N. C.
PARTNERSHIP: LEWIE ALDRIDGE, SPRUCE PINE, N. C. SAM BROWN AND W. S. FLYNT, CROSSNORE, N.C.

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

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

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

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

ALL OF THE FOLLOWING QUESTIONS ANSWERED ON ATTACHED SHEETS OF PAPER.

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

(*b*) State any mine name by which the property is known.

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

(*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

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

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

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

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

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

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

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

.....

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

(*c*) The work will start within ..... 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?

☐ 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 August 25, 1956

(Applicant)

By Lewis Aldridge

W S Flynn

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

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

JOHNSON MINE
c/o LEWIE ALDRIDGE, SPRUCE PINE, N. C.

RECEIVED
AUG 31 1956

1- (a) Johnson Mine, c/o Lewie Aldridge, Spruce Pine, N. C.

(b) Partnership: Lewie Aldridge, Spruce Pine, N.C. Sam Brown and W. S. Flynt, Crossnore, N. C.

(c) See names above.

2 - General Instructions.

3- (a) See lease attached.

(b) Johnson Mine

(c) Lease

(d) Attached

(e,f) Not applicable

4- (a) There has been some exploration work done previous to our work. We have cleaned off the pegamite and exposed enough mica bearing vein to warrent further exploration, also recovered some mica in this work. The mine is readyly accessible by Jeep or Truck.

(b) There has been mica obtained and sold from this mine in prior working by manual labor but details of the amount are not available. It is a good grade of Ruby Mica.

(c) The pegamite lies in a hard rock formation of Granit and Slate. No maps nor geologic surveys are available.

(d) The mine is around 2 miles from Highway 19-E and 15 miles north of Spruce Pine, N. C. , the shipping and market point for this section.

(e) We have manpower, materials, supplies, equipment, water and power available in quanity.

5- (a) Mica

(b) We would like to start just below the present mine opening and

follow the pegamite. (see sketch attached)

(c) The work will start within 10 days and be completed in six months or less.

(d) Each partner has had several years of mica mining experience and each one is now operating other mines. Sam Brown and W. S. Flynt will personally supervise the operations.

6- Estimate of Cost.

(a) We would like to do the work on an independent contract in terms of units of work based on the cost per unit as follows:

100 feet of drifting @ $50.00	$5000.00
1 Tool House	100.00
1 Powder Magazine	25.00
1 Exploder Magazine	15.00
Total estimated cost	$5140.00

(bcde) Not applicable

(f) Tool House, Powder and Exploder Magazine

7- (a) Yes

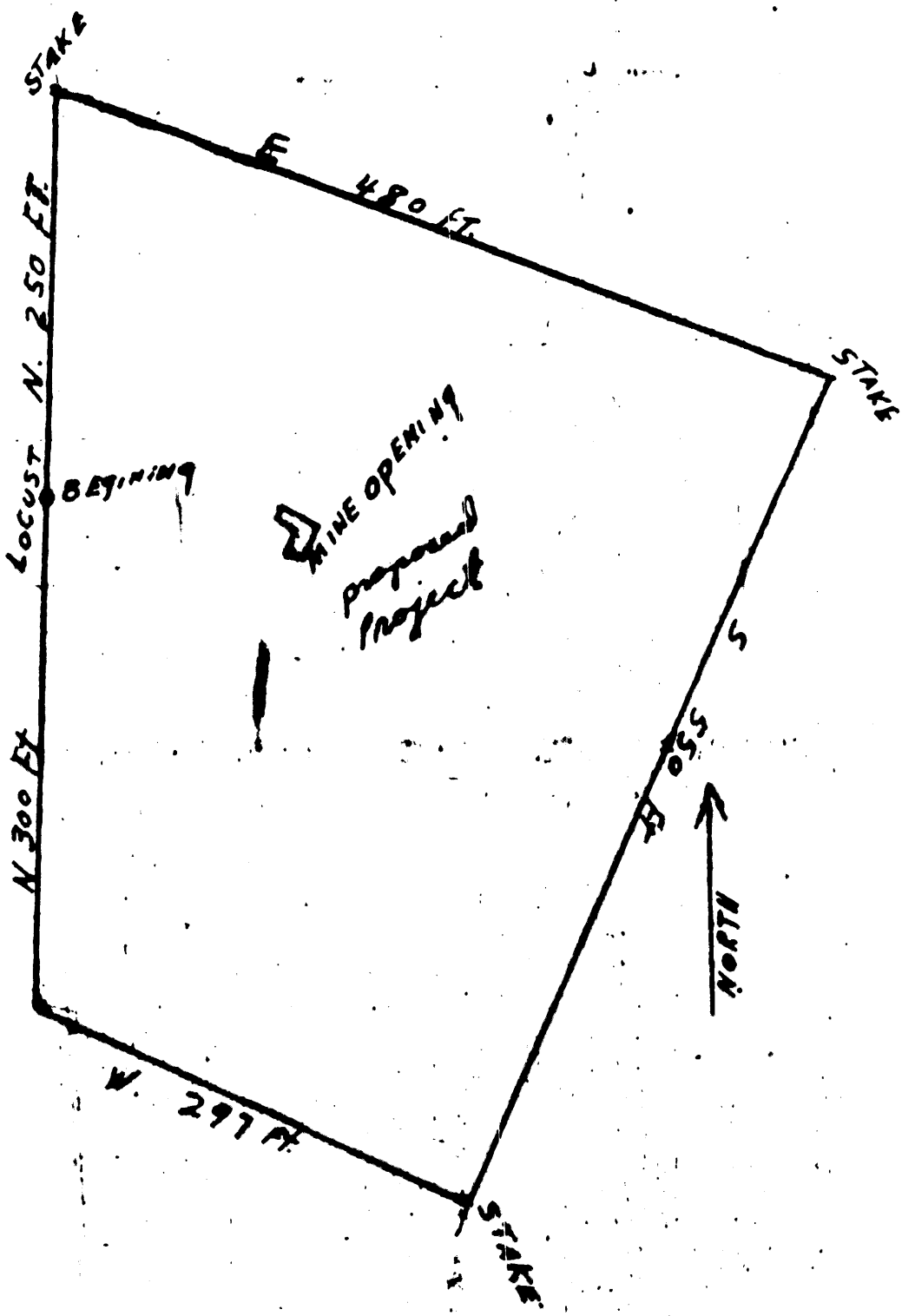
(b) Money

CERTIFICATION TO THE ABOVE SIGNED ON MF-103 ATTACHED.

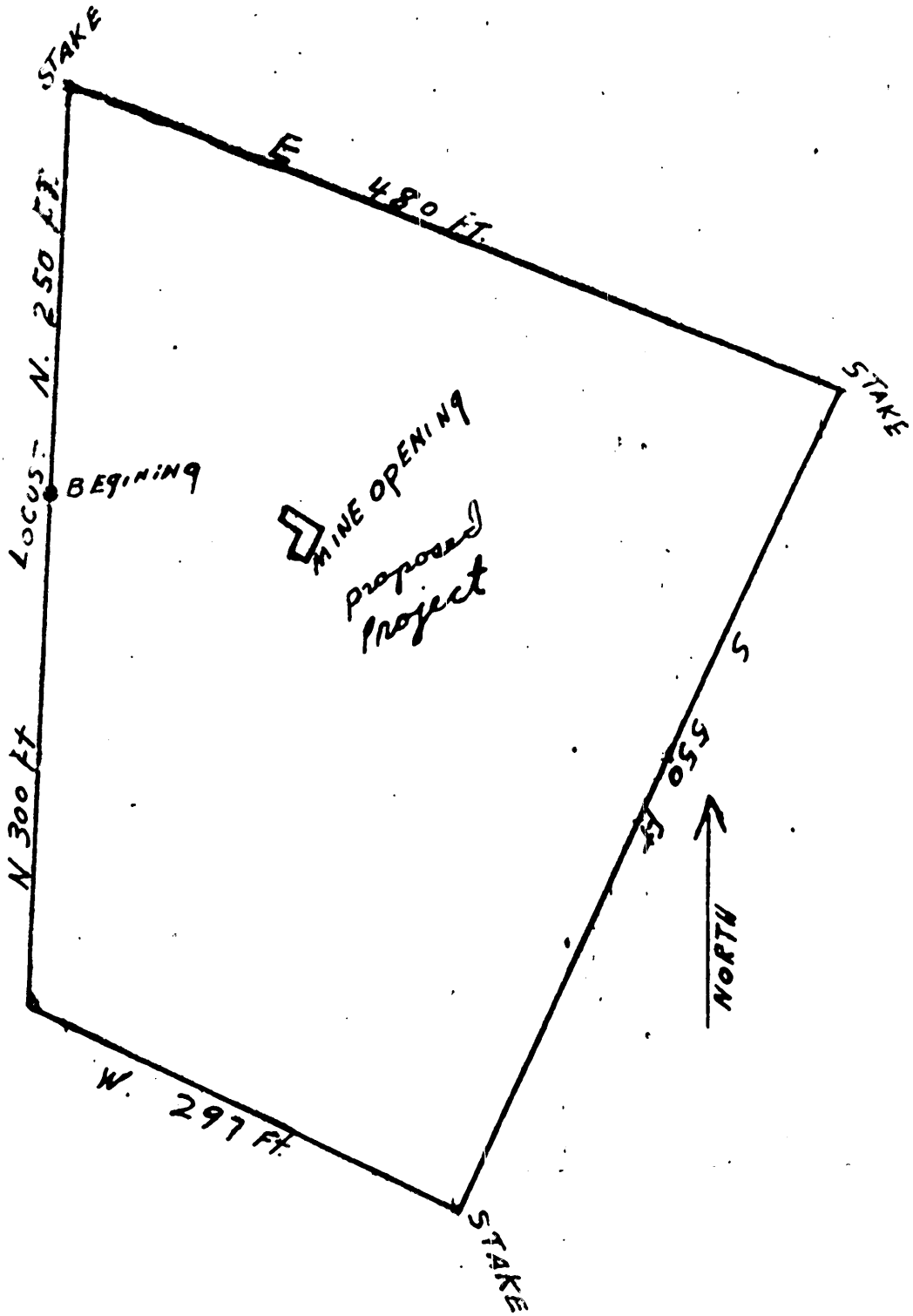
[illegible] feet west of Johnson [illegible] of a [illegible] north 250 [illegible] stake, thence east 48[illegible] feet [illegible] south 550 feet to a stake thence west 297 feet [illegible] 300 feet to the beginning, containing five acres, more [illegible] the intention of this lease to describe a tract of land in the [illegible] of a TRAPEZOID and having the opening of the Johnson Mine [illegible] located in this tract of land.

(1)

Scale 1 in. - 100 ft.



1

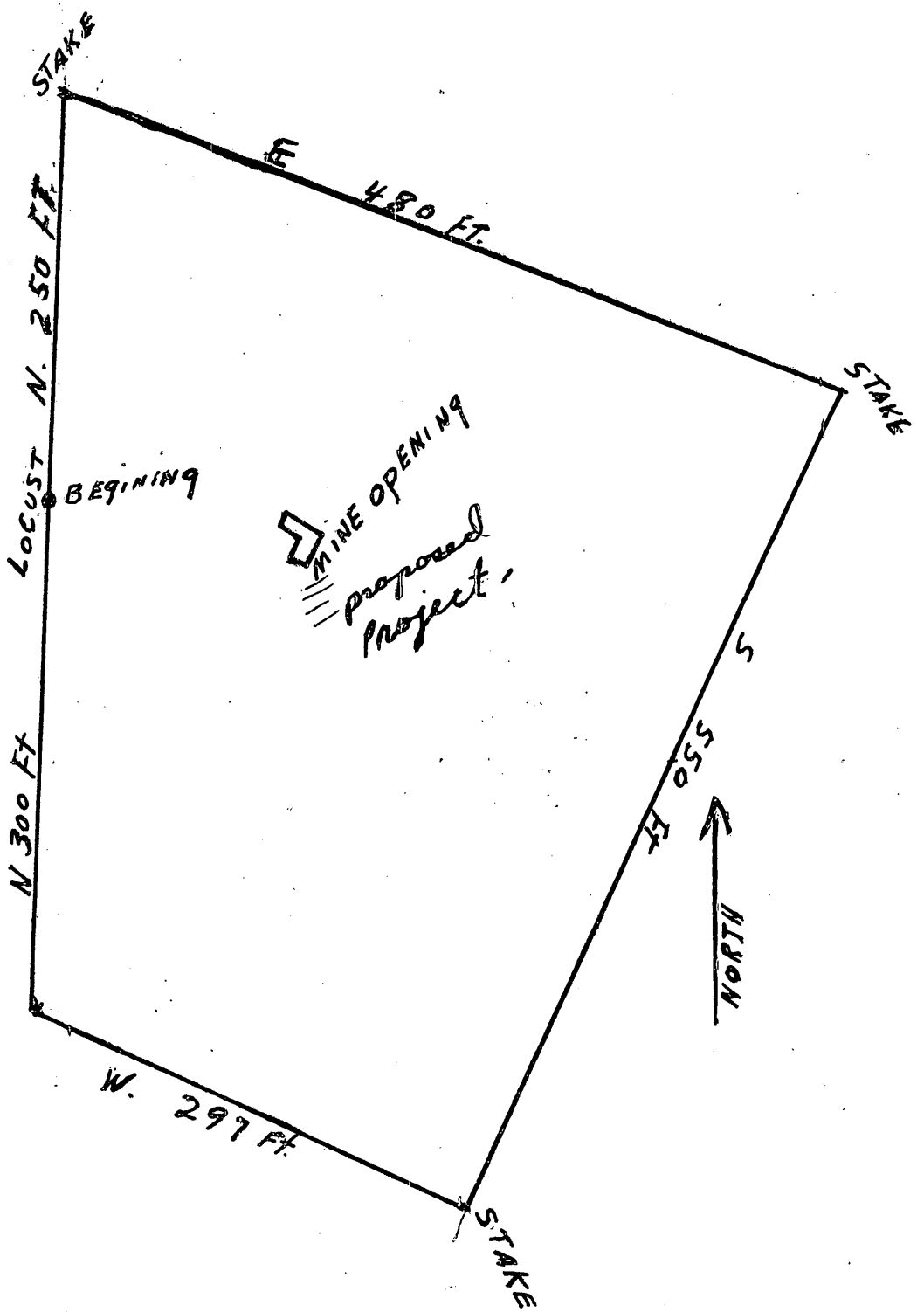

STAKE
E 480 ft.
STAKE
S 550 ft
NORTH
STAKE
W. 297 ft
N 300 ft
LOCUS - BEGINING
N. 250 ft.
MINE OPENING
proposed Project

Begining approximetaly 147 feet west of Johnsson Mine at a locust tree and runs north 250 feet toa stake, thence east 480 feet to a stake, thence south 550 feet to a stake thence west 297 feet to a stake, thence north 300 feet to the beginning, containing 5ive acres, more or less. It being the intention of this lease to describe a tract of land in the shape of a TRAPEZOID and having the opening of the Johnson Mine centrally located in this tract of land.

RECEIVED
AUG 9 1978

1

Scale 1 in. - 100 ft.



New York 19, New York

VIA AIR MAIL

NEW YORK N.Y.
AUG 23
8 PM
1956

GPO

AIR MAIL 6¢ U.S. POSTAGE

Defense Minerals Exploration Administration

Department of the Interior

Washington, D. C.

Form 7
(56)

OFFICIAL FILE COPY

Date	Surname	Code
2/5	Anderson	600
2/5	Hand	600
2/7	Johnson	110
		100
		220

600

February 4, 1958

Project Summary Report

By: Walter C. Anderson, Division of Nonmetallic Minerals

1. Docket No. DMEA-4448-Mica
Contract No. Idm-E1046
Johnson Mine
Avery County, North Carolina

Application: Form MF-103(April 1952) received August 31, 1956.
Work Proposed by Applicant:

Toolhouse, powder & exploder magazines	$140.00
100 feet of drifts@ $50.00/ft.	5,000.00
Total amount requested	$5,140.00

Operators: Lewie Aldridge, Sam Brown, and W. S. Flynt.
c/o Lewie Aldridge, Spruce Pine, North Carolina

Operators' Property Rights: Ten year mining lease on the Vance and Odom Property containing five acres, dated July 11, 1956. Consent to Lien dated July 23, 1956.

2. Contract: Form MF-200A(April 1956) dated December 20, 1956.
Work Authorized:

Preparation shaft site	$178.00
Construction - Toolhouse, powder & exploder magazines	116.00
100 feet of drifts and/or crosscuts @ $32.00/ft.	3,200.00
75 feet of inclined shaft @ $42.00/ft.	3,150.00
Estimated total cost of project	$6,644.00
Government participation @ 75%	$4,983.00

Amendments: None.
Work Completed: Same as authorized.
Work started on January 14, 1957 and was completed on May 2, 1957. Field Team Final Report received December 6, 1957. Operator's Final Report received May 22, 1957. No equipment purchased under contract. Mica produced during project - 55 pounds badly ruled books. Royalty paid to date - none.

3. Audit: Report of Review issued May 24, 1957.

Total accepted cost	$6,664.00
Government participation	$4,983.00

4. Certification of Discovery - none issued.

8623

5. Comments:

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

Operation: Work progress was very good.

Engineering: Reporting by Operators was acceptable.

Geologic Premise: The premise that a mica-rich pegmatite would extend beyond old workings where strategic mica was mined in the past proved wrong.

Geologic Criteria upon which work was based:

1. Pegmatite: Ten foot thick lens containing plagioclase, quartz, and muscovite, exposed for a strike length of 50 feet. Generally conformable to the enclosing rock, essentially a hornblende gneiss with some schist.
2. Mica: Ruby in color, small and clear.
3. Past Production:

Geologic Criteria developed during project:

1. Pegmatite: Very poorly zoned, occurring as concordant low-dipping structures emplaced in well banded hornblende and quartz-biotite gneiss. Pegmatite consists mainly of medium-grained perthite and fragments of fine-grained plagioclase-quartz-muscovite wall zone.
2. Mica: Sparse, light reddish brown, flat, fairly clear, and free-splitting.

Future Possibilities: The examining engineers believe the mine has possibilities, since the low-dipping lenticular pegmatites are similar structures to nearby good producers, such as the Elk, Slippery Elm and "A" mines. However, further exploration should be confined to careful mapping of hillside exposures, followed by diamond drilling.

Recommendations: Because of the completely negative results of the contract work, the Field Team recommends that project should not be certified. The Division of Nonmetallic Minerals and the Commodity Members of the Geological Survey and Bureau of Mines concur.

Walter C. Anderson

Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 2/4/58
Copy to: Admr. R. File
Mr. Houk

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/5	Anderson	600
2/5	Houk	600
"	Chambers	800
2/7	Selfridge	130
2/8	Johnson	130
		130
		110
"	Mattendorf	100
2/11	C	220

600

600

FEB 10 1958

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

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Dear Mr. Laurence:

Enclosed are four letters to be forwarded to the signers of the Consent to Lien under the subject contract.

Kindly complete the addresses and forward, retaining your copies and returning the remaining copies.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

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

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

Enclosures 4

WCAnderson:rsi 2/5/58
Copy to: Admr. R. File
Mr. Chambers
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

region never sent address of signers

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/5	Anderson	600
2/5	Houk	600
"	Chambers	800
2/6	Stafford	130
2/7	Lahnt	130
2/7	Kilsgaard	130
"	Johnson	110
"	Mittendorf	100
2/11	C	220

600

FEB 10 1958

Messrs. Lewie Aldridge, Sam Brown,
and W. S. Flynt
c/o Mr. W. S. Flynt
Spruce Pine, North Carolina

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

600

Gentlemen:

Reference is made to your completed 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. O. Mittendorf
(esf)
Administrator

WCAnderson:rsi 2/4/58
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Operating Committee
Mr. Houk
Ivor C. Vance
Sam W. Vance
Clarice V. Odom
Friel Vance

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/5	Anderson	600
2/5	Houk	600
"	Chambers	800
2/6	Selbridge	130
2/7	Lamb	130
2/7	Kiilsgaard	130
"	Johnson	110
"	Mittendorf	100
		220

600

Mr. Friel Vance

FEB 10 1958

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Dear Mr. Vance:

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 signed by you on July 23, 1956.

Sincerely yours,

C. O. Mittendorf
Administrator (esf)

Enclosure

WCAnderson:rsi 2/4/58
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
2/5	Anderson	600
2/5	Houk	600
"	Chambers	800
2/6	Selbridge	130
2/7	Adm	130
2/7	Kiilsgaard	130
"	Johnson	110
"	Mittendorf	100
		220

600

FEB 10 1958

Mrs. Clarice V. Odom

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Dear Mrs. Odom:

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 signed by you on July 23, 1956.

Sincerely yours,

C. O. Mittendorf
Administrator

Enclosure

WCAnderson:rsi 2/4/58
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
2/5	Anderson	600
2/5	Houk	600
"	Chambers	800
2/6	Selbridge	130
2/7	Lamb	130
2/7	Kiilsgaard	130
"	Johnson	110
"	Mittendorf	100
		220

600

Mr. Sam W. Vance

FEB 10 1958

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Dear Mr. Vance:

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 signed by you on July 23, 1956.

Sincerely yours,

C. O. Mittendorf
Administrator

Enclosure

WCAnderson:rsi 2/4/58
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
2/5	Anderson	600
2/5	Houk	600
"	Chambers	800
2/6	Selfridge	130
2/7	Laurent	130
2/7	Kiilsgaard	130
"	Johnson	110
"	Mittendorf	100
		220

600

FEB 10 1958

Mr. Ivor C. Vance

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Dear Mr. Vance:

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 signed by you on July 23, 1956.

Sincerely yours,

C. O. Mittendorf
(esf)
Administrator

Enclosure

WCAnderson:rsi 2/4/58
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Operating Committee
Mr. Houk

8623

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

Office
DMEA
RECEIVED
DATE
1/29 C 220
1/29 600

January 27, 1958

Memorandum

To: Finance Officer - Region V - (DMEA)

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

Subject: Royalty Payment - Idm-E1046, DMEA-4448 -Mica Johnson Mine, Avery County, North Carolina.

Attached are final settlement sheet from the subject mine in the amount of $260.55, and a check for royalty in the amount of $13.03 to be credited to the contract.

zm.
Lynch
Mittendorf
Files

Enc;
Ck. No. 97.
dated 12/31/57
(13.03)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MATERIALS PROCUREMENT ADMINISTRATION
ROOM 1317 FEDERAL BLDG.
WASHINGTON 25, D.C.

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

ACCEPTANCE NO.

CERTIFICATE AUTHORIZATION NO.

LOT NO.

SP

VOUCHER NO.

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS.-HVY.STAINED	TOTAL VAL
PROCESSED FOR PAYMENT					
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
TOTAL LBS. PURCHASED					

FOR USE OF CERTIFYING OFFICER

OFFICIAL FILE COPY

238.87

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED

ACCEPTANCE NO.

CERTIFICATE AUTHORIZATION NO.

LOT NO.

SP

VOUCHER NO.

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS.-HVY.STAINED	TOTAL VAL
PROCESSED FOR PAYMENT					
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
TOTAL LBS. PURCHASED					

FOR USE OF CERTIFYING OFFICER

36.22

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO.

BALANCE DUE GOVERNMENT ☒ SELLER ☐

1.67

SELLER'S NAME AND ADDRESS

NAME OF MINE AND LOCATION

APPROVED

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 59-592

R3 T152 JULY 1957

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 13 1957

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

IN REPLY REFER TO:

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

December 12, 1957
Re: DMEA 4448 Idm E1046
Lewie Aldridge, et al
Johnson Mine
Avery County, N. C.
Mica

Memorandum

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

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

Subject: Review of Field Team Final Report

The contract, let in January 1957, approved the expenditure of $6,644.00 for the exploration of a possible extension of a series of pegmatite lenses credited with a significant production of strategic mica.

The lenses explored by incline, drift, and crosscut, although generally similar in mineralogy and habitat, are not particularly so and are noticably lacking in strategic mica. The work done cost $6,644.00.

As no reserves of mica were 'discovered' the examiners recommend, and I concur, that no certificate of discovery be issued. They do not rule out the possibility of further worthwhile discoveries in the general area and recommend geologic mapping and diamond drilling as aides in the search for lenses of mica bearing pegmatite.

N. E. Nelson

N. E. Nelson

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

December 12, 1957

ORIGINAL FILE COPY
DMEA
RECEIVED DEC 13 1957

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

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 4448 (mica)

Name and Location of Property: Lewie Aldridge

Name and Location of Property: Johnson Mine
Avery County, North Carolina

Contract Number: Idm-E 1046

Date of Field Team Final Report: Dec. 5, 1957

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: Dec. 9, 1957

Field Team Recommendation: Recommend that certification not be issued.

Comments:

1. Exploration consisting of 79½ feet of inclined shaft and 109 feet of drift was completed under DMEA contract.

2. Only a minor amount of strategic mica was recovered from a series of discontinuous flat lying pegmatite lenses.

3. Expenditures -

Total approved	$6,644.00
Total cost	6,644.00
Gov't. share of the cost	4,983.00
Value of production during operation	unknown

Recommendation:

I concur with the recommendation of the field team that certification be denied.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROOM 13 POST OFFICE BLDG
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 6 1957

DATE	MINERALS	CODE
12/6	C	220
	es	130
12/9	74	110
12/11	2431	130
		220
12/13	Hunh	600

December 5, 1957

Memorandum

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

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

Subject: Field Team Final Report
Docket No. DMEA-4448, Contract No. Idm-E1046 (Mica)
Lewie Aldridge, Sam Brown and W. S. Flynt, Spruce Pine, N.C.
Johnson Mine, Avery County, North Carolina

Enclosed are the original and two copies of the final report on the Johnson mine project.

We agree that certification should not be issued, as no reserves can be estimated.

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
12-11-57
(date)

Field Team Final Rpt

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 6 1957

DATE	INITIALS	CODE
12/11	JHB	130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

FIELD TEAM REGION V

DMEA-4448, Idm-E1046, (mica) JOHNSON MINE
Avery County, North Carolina

S. C. Bergman, Geologist
Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

December 4, 1957

Reviewed by
DMEA OPERATING COMMITTEE
12-11-57
(date)

OFFICIAL FILE COPY
DMEA
RECEIVED DEC 6 1957

DATE	INITIALS	CODE
12/11	JB	130
		220

FIELD TEAM FINAL REPORT

DMEA-4448, Idm-E1046 (mica) JOHNSON MINE
Avery County, North Carolina

Operators: Lewie Aldridge, Sam Brown and W. S. Flynt, a partnership, c/o Lewie Aldridge, Spruce Pine, North Carolina.

SUMMARY

A total of 79 1/2 feet of low-dipping incline and 109-feet of drift followed and crosscut a series of thick, discontinuous, flat lying pegmatite lenses. Pegmatite encountered consists predominantly of perthite with very minor quartz and muscovite. About 55 lbs of muscovite were recovered in several small isolated pockets at or near the hangingwall contacts. Further exploration in the same horizon of lenses is believed to be futile because of the uniformly poor environment outlined, but a more comprehensive 3-dimensional exploration program at other stratigraphic horizons may well outline mica-rich structures such as are exposed in the adjacent Johnson Mine adits. Because of the poor mineralogic environment outlined, no certification as a discovery can be recommended.

INTRODUCTION

Location

The Johnson Mine is located on the lower south slope of Elk Mountain, 1.8 airline miles east of Plumtree, Avery County, N. C. It is several hundred feet upslope from the good all-weather graveled Plumtree Creek road on steep, rocky and lightly wooded pasture land.

Mine History

The site was reportedly first worked about 1880 by D. W. Johnson and periods of activity are reported in 1928, 1930 and 1943 when the site was worked by L. H. Goodman of Asheville. A flat zone of outcroping lenses, all lying essentially in one plane was worked by a series of adits and rooms driven into the hillside and developed

progressively from east to west. Limited sales figures from the 1928-1930 period indicate a 26.6% recovery of sheet out of the block with as much as 19% of the sheet in the premium size range (+10 sq. in.). The reliability of the figures in comparison with present GSA standards is unknown. Reference is made to USGS report and map by J. C. Olson dated January 1944.

Contract Work

The work outlined in the subject contract was started January 14, and completed by May 2, 1957. Work progress was very good and followed the terms of the contract in every respect. As part of the contract, a toolhouse and power and exploder magazines were constructed. The underground work completed consists of 79 1/2 feet of -20° incline driven N5°W and a total of 109 feet of drift and crosscut. Thirty-seven feet of drift was driven N40°W and 32-feet N25°W. From the 18-foot in the drift, 31 feet of crosscut was driven N33°E and 9 feet S55°W. Nine feet of drift as well as 4 1/2 feet of incline was in excess of the contracted amount and driven at the Operator's own expense. The Operator drilled a total of about 72 feet of percussion test holes, 36 feet in the drift back and floor and 36 feet in the walls. Although some pegmatite was cut above and below the drift level, it was not considered to be significant.

GEOLOGY

Pegmatite exposed by the contract work occurs as concordant low-dipping lenticular structures emplaced in fine-grained,

well banded hornblende and quartz-biotite gneiss. The country rock appears to form undulating and asymetrically developed monoclinal folds whose axes trend N45° to 70°W, and whose flanks dip generally at low angles to the northeast. Some very slight anticlinal-synclinal development produces local dips to the south and southwest. The pegmatites appear to have been emplaced generally along the northeast flank or fore part of the folds with the long axes of the lenses developed along the fold axes. Lenses mapped in the old Johnson Mine workings have their long axes developed to the north-northeast with a general west and northwest dip suggesting the presence of a shallow, low, northward plunging synclinal structure between the contract area and old works. The pegmatite exposed by the contract work appear to be somewhat lower in stratigraphic position and mineralogically distinct from the mica-bearing lenses exposed in the old works about 150 feet to the east. Pegmatite lenses in the contract drift are isolated structures along one horizon and multiple overlapping en echelon structures 6 to 8 feet thick. One such lens is about 40 feet in horizontal width and at least 100 feet along its long axis, which trends to the northwest roughly parallel to the strike of the country rock and the trace of the pegmatite pinchouts (see map). Pegmatite is very poorly zoned consisting almost entirely of fine to medium-grained perthite with very minor interstitial quartz and isolated fragments of fine-grained plagioclase-quartz-muscovite wall zone. Garnet, biotite, and usually muscovite are minor constituents of the pegmatite, usually associated with the infrequent wall zone material. A pocket of

fairly large, but badly ruled books of muscovite totaling 25 lbs was found at or near the hangingwall contact at the head of the incline and another 30 lbs were recovered from the same position in the pegmatite at the intersection of drift and crosscut. What little strategic size muscovite was seen is a light reddish brown color, and in flat and fairly clear, free-splitting books which are somewhat ruled and cracked.

CONCLUSIONS

The completely negative results of the contract work in the limited horizon explored, leads the Examiners to recommend that no certification of discovery beissued. Although the Operator requested additional drift and/or crosscut, no additional exploration target that might improve or change in any way the existing environment could be outlined by the examiners.

The authors believe that the sequence of low-dipping lenticular pegmatites exposed along the south slope of Elk Ridge have very good future potential. Large quantities of strategic mica have been produced from mines in this area, noteably the Elk, Slippery Elm, and "A" mines, all of which have a similar structural and mineralogical environment. Because of the discontinuous nature of the pegmatites it is believed that all of these mines have been only surfically exploited although the Elk is an outstanding example in the area of a mine where the Operator has used his knowledge or history of frequency distributiond/to drive along one stratigraphic position

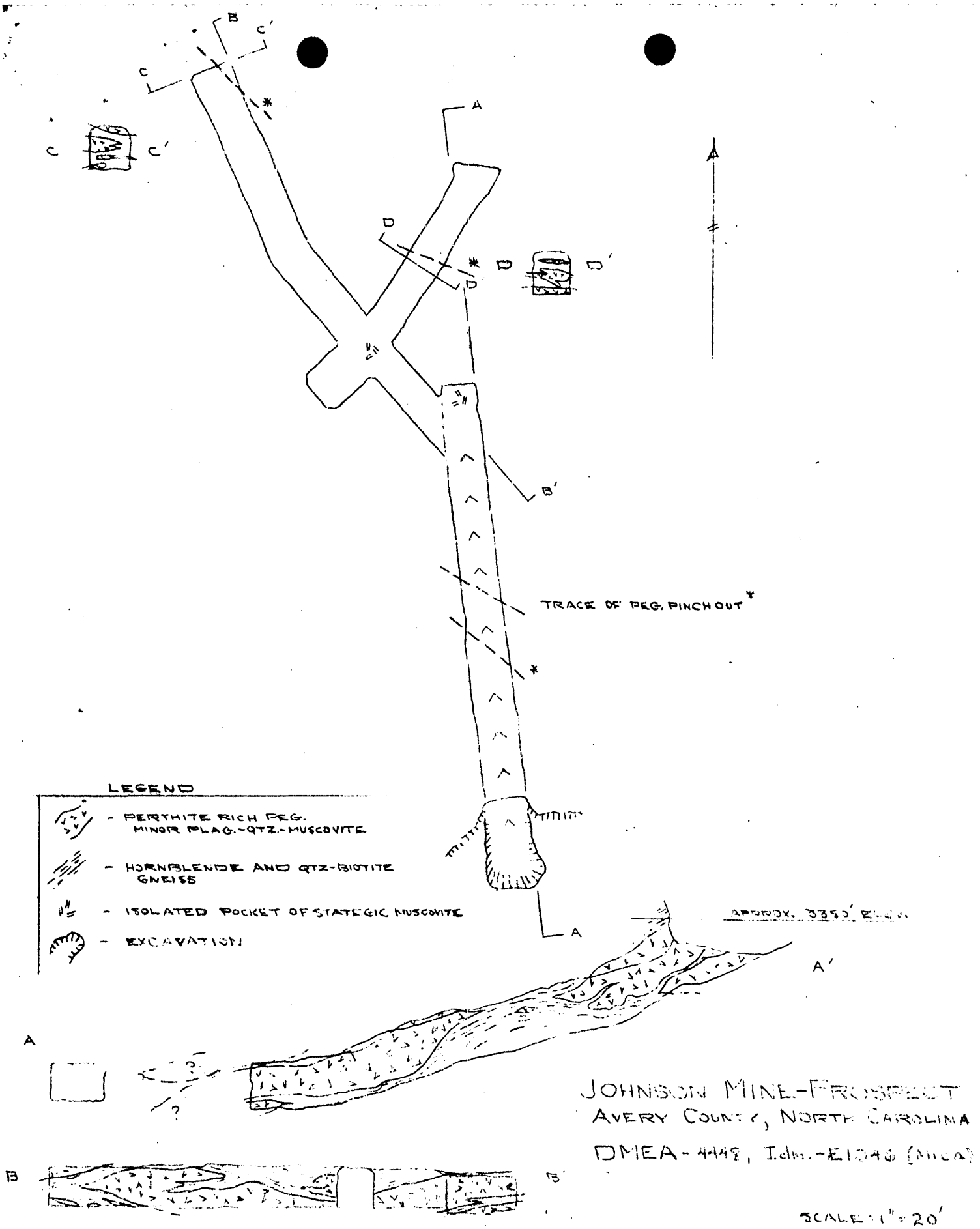
through numerous and sometimes long intervals of barren country rock, interceipting small, but very rich lenses of pegmatite which were more than productive enough to offset the intervening work. Although statistically unknown, both the horizontal and vertical (stratigraphic) frequency of pegmatite lenses is believed to be much greater than exposed on the hillside in outcrop or mine opening. The author believes that future underground work in the area should be guided by much better 3-dimensional control. Careful mapping of hillside exposures is recommended, followed by a dip fence of vertical small core (AX or EX) diamond drill holes, the spacing of which should be guided by the indicated horizontal frequency of structures. In this area, it is believed that small core is adequate to accurately locate, the position of favorable horizons since pegmatite attitude is fairly uniform in the area, and pegmatite thickness, mineralogy, and texture are notebly distinct between the favorable, mica-rich structures and the barren material. This rather distinct difference may well represent sequentual pegmatite emplacement over an extended period of time and representative of changing composition and pressure.

EXPENDITURES

(a)	Total approved	$6,644.00
(b)	Total cost of project	6,644.00
(c)	Government's share of cost	4,983.00
(d)	Government's share unexpended	None
(e)	Value of production	Unknown
(f)	Royalty paid to date	none

L. E. Shirley,
Mining Engineer, USBM

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



JOHNSON MINE-PROSPECT
AVERY COUNTY, NORTH CAROLINA
DMEA-4448, Idn.-E1046 (MICA)

SCALE: 1" = 20'

May 29, 1957

Memorandum

To: Jay L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Administrative Assistant, Electrotechnical Experiment Station, Norris, Tennessee

Subject: Monthly report and voucher

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

Idm-E1046 Aldridge, Brown & Flynt
Docket No. DMEA-4448
4th and final payment - month of Apr. 1
Completion Date: 4/29/57
Amount $984.00

Helen R. Miller

Attachments
/hbm
Copies to R. A. Laurence
V. J. Lynch
Norris files
Day files

31 1957
710
600

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- 73

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1957 Docket No. DMEA 4448 Contract No. Idm-E 146
Operator's Name Lewis Aldridge, Sam Brown & W.S.Flynt Minerals Mica
Address Spruce Pine, N.C.
Contract Amount, $6,644.00 Government Participation: 75 % Amount, $ 4,983.00

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		178.00	178.00			
Crosscutting						
41' Drifting @ $32.00	1312.00	1888.00	3200.00			
Shaft		3150.00	3150.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		76.00	76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Powder & Exploder Mags.		40.00	40.00			
(8) Contingencies (specify):						
TOTALS	1312.00	5332.00	6644.00	1312.00	5332.00	6644.00

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

Date 5-2-57 *Payee Lewis Aldridge, Sam Brown, and W.S. Flynt

Per W S Flynn Title Partners

*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.

31

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:

$ 984.00

Signature Helen R. Miller
(Authorized Certifying Officer)

Date MAY 29 1957 Vou. No. 134

(See other side)

328.00

(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. Idm.E1046 in accordance with the terms of the contract.

Signature [illegible] Title MINING ENGINEER U. S. BUREAU OF MINES Date MAY 27 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA FIELD TEAM REGION V Date MAY 27 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 4448 Contract No. Idm-E 1046

Operator's Name Lewie Aldridge, Sam Brown, & W.S. Flynt Minerals Mica

Address Spruce Pine, N.C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract	
							Units	Unit Costs
Drifting	Ft	1312.00	41	3200.00	100	32.00	100	32.00
Crosscutting								
Raising								
Shafts				3150.00	75	42.00	75	42.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				178.00	889	0.20	889	0.20
Total Distributed Costs		1312.00		6528.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				76.00				
Powder & Exploder Mags.				40.00				
Total Costs		1312.00		6644.00				

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

Date 5-2-57 Operator Lewie Aldridge, Sam Brown and W.S. Flynt

Per W S Flynn Title Partners

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)

W. A. Beck
MINING ENGINEER
U. S. BUREAU OF MINES
MAY 27 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

OPERATOR'S

Monthly Progress Report -

DMEA #4448, Idm-E 1046 (mica)

Johnson Mine, Avery County

Work Accomplished:

We completed 41' of drift in this month, making a total of 100' of drift to date, and completing our contract. We continued to drill test holes, and in roof of inclined shaft we struck mica bearing pegmatite. Recovered about 25# mica.

Daily Notes:

1 - 5 : Drilling and mucking on drift, finding no mica.

8 -12 : 4 hours drilling test holes, Drilled, shot and mucked out waste daily, finding no mica.

15 - 19 : Hole in face of heading at 69' - 8' slate and 4' in pegmatite, hole in right hand corner of heading at 69' looking down at 20° angle, 3' in pegmatite and 5' in slate, hole in top of heading at 69' looking up at 30° angle 8' in slate, and hole in bottom of heading at 69' looking down at 30° angle, 8' in slate. Continued work on drift, drilled, shot and mucked out waste.

22 - 29 : Drilled 4 test holes, and drilled test hole in roof of incline shaft we struck mica bearing pegmatite. Recovered about 25# of mica. Completed our contract Monday - April 29, 1957.

EXTRA COPY DMEA RECEIVED		
DATE		CODE
		600

May 21, 1957

Memorandum

To: Mr. J. L. Chambers, Chief, Contract Administration and Audit Division, Defense Minerals Exploration Administration, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region V

Subject: Completion of DMEA-444B, Ids-4106 (Mica)
Leslie Aldridge, et al.
Johnson Mine, Avery County, North Carolina

Reference is made to your letter of May 13 to Mrs. Helen M. Miller.

The following units of work have been acceptably completed as verified by our field examiners:

Excavation, for shaft site 900 cubic yards
Construction of toolhouse, powder magazine and exploder magazine.
Shaft sinking, 75 feet.
Drifting and crosscutting, 100 feet.

An acceptable final geologic and engineering report has been received.

Therefore, a Report of Review is in order.

Robert A. Laurence

RAL/mg
cc - Operating Committee (2)
Finance Office
Lynch
Shirley
File

EXTRA COPY
D M E A
RECEIVED MAY 23 1957

DATE	INITIALS	CODE
		600

May 21, 1957

Memorandum

To: Jay L. Chambers, Chief Contract Administration and Audit Division, DMEA - Washington

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

Subject: Completion of DMEA-4448, Idm-E1046-mica.
Lewie Aldridge, Applicant, Spruce Pine, N.C.
Johnson Mine, Avery County, N.C.

Work on the subject contract has been completed.

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

889 cu. yds. of excavation
Toolhouse, powder and exploder magazines constructed.
75 ft. of inclined shaft and 100 feet of drifts and crosscuts completed.

An adequate final geological and engineering report has been received from the Operator and forwarded to the Washington office.

The Operator's final voucher has not yet been forwarded to the Finance Office for payment.

VJL/zm
cc
Lynch
Finance Office
Files
Opr. Com.-2

V. J. Lynch

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/24	Talbert	800
5/27	C	220
5/28	[illegible]	600

MAY 24 1957

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region V
Room 14, Post Office Building
Knoxville 2, Tennessee

Re: Docket No. DMEA-4448 (Mica)
Lewis Aldridge, Sam Brown,
and W. S. Flynt
d/b/a Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Dear Mr. Laurence:

Enclosed are the original and two copies of a Report of Review in lieu of a final audit of the referenced project.

If you concur with the facts stated therein normal distribution should be effected. Otherwise, please return the original and both copies to this Division with your comments.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
May 24, 1957

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

8623

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

WASHINGTON 25, D.C.

May 20, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 22 1957

DATE	INITIALS	CODE
5/22	LWJ	220
5/23	[illegible]	800
5/23	wrg	600

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Operator's Final Report. DMEA-4448, Idm-E1046-Mica
Aldridge, Brown & Flynt, Operators.
Johnson Mine, Avery County, N.C.

Transmitted are four copies of the subject report.

Completion date was April 29, 1957. A report of Review has been requested.

V. J. Lynch

V. J. Lynch

zm

Operator's Final Rpt.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 22 1957

DATE	INITIALS	CODE

Spruce Pine, North Carolina
May 2, 1957

Mr. Robert A. Laurence, Executive Officer
D.M.E.A., Region V
Room 13, Post Office Building
Knoxville, Tennessee

Re: DMEA #4448, Idm-E 1046 (Mica)
Johnson Mine, Avery County, N.C.

Dear Mr. Laurence:

We began work on the above contract January 14, 1957, and completed same April 29, 1957.

In January we completed preparation of shaft site, constructed tool house, and exploder magazines, and drilled, shot and excavated 19½ cu. ft. of 5' X 7' incline shaft. We did not recover any mica but were in non mica bearing pegmatite. In February we drilled, shot, and completed 55½ cu. ft. of 5' X 7' inclined shaft, also we drilled 8 - 8' test holes and reported findings to the Field Team. In March we completed 59' of drift and recovered about 30# of mica about 18' from the incline shaft. This mica was of good quality, but as we shot into it unexpectedly the dynamite ruined it. In April we completed 41' of drift and cross cut, 10' being on drift and 31' on cross cut. After finishing the drift and cross cut in preparation for moving the equipment we were drilling out on anchor bolt in roof of incline shaft and struck mica. We drilled and shot into this pegmatite and recovered about 25# of salable mica. The pegmatite is only 6" to 8" thick at this point, but as you know, we could be on the edge of the dyke and this could lead to a good size deposit of mica if followed. We have requested the Field Team to look this over before returning to Knoxville as they had visited the Project the day before we made the discovery. We are enclosing a rough drawing of the work we have done and this will show the location of this mica bearing pegmatite. We have made application for an amendment to this contract and we feel this new find will well warrant further exploration.

The Field Team has been very cooperative with us and the work could not have been directed better in our search for mica bearing pegmatite, but as we have eleminated the directions we have worked and as we have this mica bearing pegmatite to follow we feel that we have a very good chance to develop something worth while.

Yours very truly,

W.S. Flynt, Partner

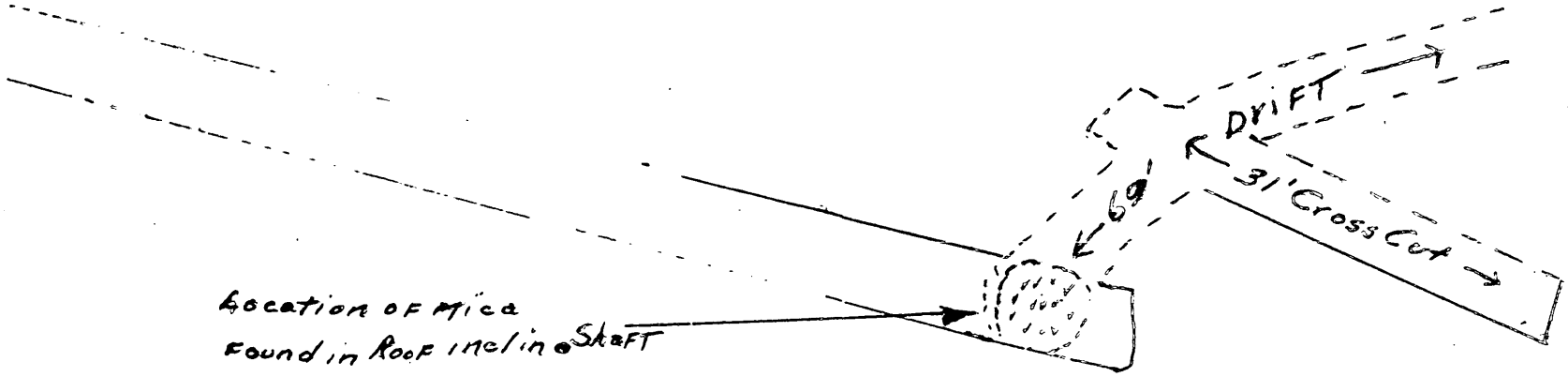
RECEIVED
MAY 6 - 1957
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

F/j

CONTROL DES COPIES
DATE
RECEIVED MAY 24 1984
DATE

MAY 0 - 1984

Johnson Mine



OFFICIAL FILE COPY
D M E A
RECEIVED MAY 22 1957
DATE | INITIALS | CODE

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/16	Anderson	600
5/16	Houk	600
5-16	Chambers	800
	Kiilsgaard	130
	Lewis	130
5/17	Aldridge	130
"	Johnson	110
"	Mittendorf	100
5/20	C	220

600

600

MAY 17 1957

Messrs. Lewie Aldridge, Sam Brown
and W. S. Flynt
c/o Mr. W. S. Flynt
Spruce Pine, North Carolina

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Gentlemen:

Reference is made to your letter of April 4, 1957, requesting an amendment to the subject contract to provide for an additional 100 feet of inclined shaft and/or drift.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, based on the results of the completed work, indicates to us that further Government participation to explore the Johnson Mine is not warranted. We regret to advise you, under these circumstances, that your request for additional aid is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Administration Program and for bringing the proposed extension of your project to our attention.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:rsi 5/16/57
Copy to: Admr. R. File
Operating Committee
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
		600
4/15	Houck	600

600

May 15, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Chief, Nonmetallic Minerals Division

Subject: Proposed Amendment - 100 additional feet of drifts, requested by Operator and conditionally recommended by the Field Team.

1. Docket No. DMEA-4448-Mica
Contract No. Idm-E1046
Johnson Mine
Avery County, North Carolina

Operators: Lewie Aldridge, Sam Brown, and W. S. Flynt
c/o Lewie Aldridge, Spruce Pine, North Carolina

Application: Form MF-103(April, 1952) received August 31, 1956.

Operator's Property Rights: Ten year mining lease on the Vance and Odom property consisting of 5 acres, dated July 11, 1956. Consent to Lien of lessors, dated July 23, 1956.

2. Contract: Form MF-200A(April, 1956) dated December 20, 1956.

Work Authorized:

Preparation of shaft site	$178.00
Construction - Toolhouse, powder and exploder magazines	116.00
75 feet of inclined shaft @ $42.00/ft.	3,150.00
100 feet of drifts and/or crosscuts @ $32.00/ft.	3,200.00
Estimated total cost of project	$6,644.00
Government participation @ 75%	$4,983.00

Work Completed as of April 16, 1957:
All of the work authorized except 12 feet of drift.

3. Certification of Discovery: No recommendation has been made. For the most part, the pegmatite lenses are barren of mica.

8623

Interim Reports

1/23/57 Preparation of shaft site completed.

2/5/57 19½ feet of inclined shaft in hard unweathered material cut by 6 to 12 inch thick inclusion of mica gneiss. No mention of mica recovery. Suggest probing in a vertical plane with extension steel drilling.

2/18/57 Incline at 51 feet. Work began in a thick pegmatite which pinched out. Continued sinking picked up another thick pegmatite, containing small scattered scrap mica. Long hole drilling again advised.

3/4/57 Heading of incline at 79.5 feet. In a thick pegmatite lens from the 41.5 foot point to present face. Body is feldspathic with scattered quartz and small books of fair quality mica. Instructions again given for long test hole drilling.

3/21/57 35 feet of drift from 68 foot level. One large 25 pound block and a few small books of mica recovered. Test hole drilling in progress and instructions given for continuation of drilling.

4/1/57 Heading of drift to the northwest at 59 foot point, all in a thick pegmatite lens, for the most part barren of mica. Test hole drilling to date has shown either pegmatite barren of mica or biotite gneiss. Opinion expressed that further long hole drilling is necessary to probe for mica-bearing structures.

4/16/57 Drifting totals 69 feet to the northwest and crosscut to northeast and southwest from the 15 foot point in the drift, totals 19 feet. All drifting in pegmatite with biotite gneiss in the back for the entire length. Scant mica observed. Further long hole drilling suggested to Operator. Concerning requested amendment for additional 100 feet of drift, it is suggested to either probe structures before drifting by long hole drilling, or drive the proposed crosscuts and drifts from the thicker portions of the pegmatite lenses.

5/10/57 All work of the contract completed. Drilling from several points in the drift and corsscut showed only barren pegmatite and mica gneiss. Recommend denial of Operator's request for further exploration work.

Operator's Reports

January 1957. Bulldozing and 19½ feet of incline. Recovered no mica.

February 1957. Shaft at 75 feet. Recovered no mica. Drilled 8 - 8 foot test holes. Shot and recovered 4 pounds small mica.

March 1957. 59 feet of drift. Recovered no mica except approximately 30 pounds at 18 feet from the shaft.

April 1957. Not yet submitted.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

WCAnderson:rsi 5/15/57
Copy to: Admr. R. File
Mr. Houk

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
D M E A
RECEIVED MAY 13 1957

DATE	NOTES	CODE
5/13	C	
	B	220
5/14		100
		600

May 10, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tenn.

Subject: DMEA-4448, Idm-E1046-Mica. Lewie Aldridge, et al. Johnson Mine, Avery County, N.C.

Enclosed are four copies of the last interim report on the subject project.

As there is no definite target for further exploration, and the work done under the contract produced no encouraging results, we do not recommend approval of the Operator's request for additional funds to do another 100 feet of drifting.

Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch, Member
Bureau of Mines

INTERIM REPORT

DMEA-4448, Idm-E1046 (Mica) JOHNSON MINE

Operator: Lewie Aldridge, Sam Brown and W. S. Flynnt, c/o W. S. Flynnt, Crossnore, N. C.

Location: 1.8 miles east of Plumtree, Avery Co., N. C.

Crosscutting has been in progress on this contract during the interim and all work as outlined in the contract has been completed. The northeast crosscut has been extended from 12 feet to 31 feet and has followed pegmatite to the present face. Scant mica recovery resulted from the work. Percussion test holes were drilled as follows:

(1) At 26 feet in the crosscut an 8 ft. hole was drilled in the back which cut 3.5 ft. of pegmatite and 4.5 feet of biotite gneiss. A hole was drilled in the floor at this same point which cut 3.5 feet of pegmatite and 0.5 ft. of biotite gneiss.

(2) At 31 feet in the crosscut horizontal 8 ft. holes were drilled in the northeast wall, southwest wall and in the face, and all cut biotite gneiss.

(3) At 69 feet in the northwest drift face a 12 ft. hole was drilled which cut 8 feet of biotite gneiss and 4 feet of pegmatite, barren of mica. In the northeast corner of the face an 8 ft. hole was drilled at +20° which cut 3 feet of pegmatite followed by 5 feet of gneiss. Holes were also drilled in the back and floor near this face at 30° angles from vertical which cut only biotite gneiss.

OFFICIAL FILE COPY
D M E A
RECEIVED MAY 13 1957
DATE INITIALS CODE

The Field Examiners are of the opinion that certification cannot be recommended on this contract because no reserves of strategic mica were outlined by the exploration completed. The pegmatites explored were essentially barren of mica and although mica-bearing structures may possibly exist above or below the work completed, no definite target for additional exploration can be defined. The operators were cooperative with the examiners throughout the project.

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

L. E. Shirley

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

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

May 2, 1957

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/13	Talbert	800
5/14	C	220
		~~225~~
		600

MAY 13 1957

Mrs. Helen R. Miller
Administrative Assistant
Bureau of Mines, Region V
P. O. Box 217
Norris, Tennessee

Registered Mail

Re: Docket No. DMFA-4448 (Mica)
Lewie Aldridge, Sam Brown,
and W. S. Flynt
Johnson Mine
Avery County, North Carolina
Contract No. Idm-F1046

Dear Mrs. Miller:

Returned herewith is the file, which was forwarded with your memorandum of May 6, 1957, requesting a Report of Review in lieu of a final audit of the referenced project.

The Report of Review has been drafted, but release thereof is being held in abeyance pending receipt from the Executive Officer, DMEA Field Team, Region V, of a communication furnishing the information specified in my letter of January 9, 1957, to all DMEA auditors, as promulgated by the Operating Committee's letter of January 17.

In order to reduce mailing costs of future submissions for audit review, it is suggested that:

(1) In the case of short form (fixed unit cost) contracts only the original copy of the unpaid voucher or vouchers be forwarded to this Division;

(2) In the case of long form (wholly or partially "actual" cost) contracts only the original copy of the unpaid voucher or vouchers plus the supporting cost documentation (invoices, payrolls, etc.) from all vouchers, both paid and unpaid be forwarded to this Division.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb 5-13-57
cc to: Docket, Admr. Reading File, Mr. R. A. Laurence, Mr. Chambers, Mr. Talbert

8623

4448

ACTION ON INTERIM
OR FINAL FIELD EXAM REPORT

Date 4-29

Referred to:

1. ~~Mr. Mitchelhurst~~
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. Possible amendment in offing
2. What do you suggest.
3. Walter Hand
4. Denial - WCA

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

INTERIM REPORT

DMEA-4448, Idm-E1046 (mica) JOHNSON MINE

Operator: Lewie Aldridge, Sam Brown, and W.S. Flynnt, c/o W. S. Flynnt, Crossnore, North Carolina

Location: 1.8 miles east of Plumtree, Avery Co., N. C.

Drifting and crosscutting is nearing completion on this contract; drift work to the northwest totals 69 feet, and crosscut to the northeast and southwest from the 15-foot point in the drift totals 19 feet. Instructions were given for continuing the northeast crosscut an additional 12 feet in order to follow pegmatite which has produced the scant mica observed during drifting. All of the drift work was conducted in pegmatite, containing biotite gneiss in the back portions of the level traceable for its entire length. A better view of the level workings was afforded the examiners after the operator washed down the drift walls, as requested just previous to this visit. It was again suggested to the operator that long percussion test holes be drilled from the now existing northeast crosscut and at previously designated intervals in the drift in an effort to locate mica-bearing structures east and west of the explored country. No definite answer could be given concerning the purchase of the necessary steel at this time. The operator did state that he intended going into the old workings and doing some limited level work before moving equipment from the site.

OFFICIAL FILE COPY
D M E A
RECEIVED APR 29 1957

DATE	INITIALS	CODE
4-29	C	220
5/1	[illegible]	100
5/2	[illegible]	601

The Field Examiners are of the opinion that the amendment of 100 feet of drift and/or crosscut, recently requested by the Operator to continue exploration has merit if: (1) Mica-bearing structures can be encountered by the proposed percussion drilling, and, if encountered, crosscutting and/or drifting to that point or (2) crosscuts and/or drifts could be driven from the contract drift at its thicker sections as defined by the work already performed, to explore the lateral extensions of the body whose extent is unknown. It is requested that these points be considered, either separately or jointly if an amendment is prepared.

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

INTERIM REPORT

DMEA-4448, Idm-51046 (mica) JOHNSON MINE

Operator: Lewis Aldridge, Sam Brown, and W.S. Flynnt, c/o W. S. Flynnt, Crossnore, North Carolina

Location: 1.8 miles east of Plumtree, Avery Co., N. C.

Drifting and crosscutting is nearing completion on this contract; drift work to the northwest totals 69 feet, and crosscut to the northeast and southwest from the 15-foot point in the drift totals 19 feet. Instructions were given for continuing the northeast crosscut an additional 12 feet in order to follow pegmatite which has produced the scant mica observed during drifting. All of the drift work was conducted in pegmatite, containing biotite gneiss in the back portions of the level traceable for its entire length. A better view of the level workings was afforded the examiners after the operator washed down the drift walls, as requested just previous to this visit. It was again suggested to the operator that long percussion test holes be drilled from the now existing northeast crosscut and at previously designated intervals in the drift in an effort to locate mica-bearing structures east and west of the explored country. No definite answer could be given concerning the purchase of the necessary steel at this time. The operator did state that he intended going into the old workings and doing some limited level work before moving equipment from the site.

RECEIVED NOV 20 1951
DMEA
FILE COPY

The Field Examiners are of the opinion that the amendment of 100 feet of drift and/or crosscut, recently requested by the Operator to continue exploration has merit if: (1) Mica-bearing structures can be encountered by the proposed percussion drilling, and, if encountered, crosscutting and/or drifting to that point or (2) crosscuts and/or drifts could be driven from the contract drift at its thicker sections as defined by the work already performed, to explore the lateral extensions of the body whose extent is unknown. It is requested that these points be considered, either separately or jointly if an amendment is prepared.

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

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

April 16, 1957

April 30, 1957

Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Mr. Lewie Aldridge telephoned Mr. Houk about his request for an amendment and was told that we have not received a reply to our request for information from the Field Team.

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

OFFICIAL FILE COPY
DMEA
RECEIVED APR 17 1957

DATE	INITIALS	CODE
4/17	C	220
4/17	[illegible]	600

April 15, 1957

Memorandum

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

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

Subject: DMEA-4448, Idm-E1046 (Mica), Lewie Aldridge et al, Spruce Pine, N. C., Johnson Mine, Avery County, N. C.

Reference is made to our memorandum of April 5. The field examiners were divided in their opinion about the advisability of the proposed additional work, and prefer to wait until the next inspection (April 15) before making a definite recommendation. They will not be back in the office until April 22, and we will advise you soon after that.

The Operator's letter of April 4 certainly gives no justification for an amendment. He should be asked to submit a reason for thinking that another 100 feet of shaft and/or drift will "very probably pick up a sizeable column of mica" and a map or cross-section substantiating it. However, we know from repeated previous experience that it is futile to ask a mica Operator for that kind of information. The recent experience with the Arnold Young Mining Company is a typical case. If any progress is to be made, it is necessary to rely solely for our field examiners to provide all geologic and engineering information.

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

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

April 9, 1957

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina

Mr. Lewie Aldridge telephoned Mr. Houk to ask if his request for an amendment to do additional work at the subject property had been received and he was told that we had and that we are awaiting the recommendations of the engineers. He stated that he had two weeks more work and would like to have the answer by then. Advised him that we would process it as rapidly as possible.

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

OFFICIAL FILE COPY
DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE
4/8	C	220
		130
4/9	Wra	600

April 5, 1957

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4448, Idm-E1046 (Mica), Lewie Aldridge, Sam Brown and W. S. Flynt, Johnson Mine, Avery County, N. C.

Enclosed are three copies of a letter from the Operator requesting an amendment to the contract to provide for 100 feet additional inclined shaft and/or drift.

We will comment on this when Mr. Shirley and Mr. Boudette, who inspected the project this week, return to the office.

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

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

RAL/as
cc
Opr. Com. 2
Lynch
Shirley
Files

OFFICIAL FILE COPY
DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE

Spruce Pine, North Carolina
April 4, 1957

Mr. Robert A. Laurence, Executive Officer
D.M.E.A., Region V
Room 13, Post Office Building
Knoxville, Tennessee

Re: DMEA # 4448, Idm-E 1046 (Mica)
Johnson Mine, Avery County, N.C.

Dear Mr. Laurence:

We are desirous of doing further exploration on the above mentioned prospect. The mica we have recovered is of exceptionaly good quality and large, and we feel with an amendment to the above contract of 100' of inclined shaft and/or drift at $42.00 per foot we could very probably pick up a sizable column of mica.

As we have been to considerable expense in moving into this prospect and in the execution of the above contract we do not feel that the prospect has been thoroughly explored and we need this further help in giving this a thorough trial.

I believe your field team will concur with us on this.

Respectfully,

W.S. Flynt, Partner

F/b

RECEIVED
APR 5 - 1957
Knoxville, Tenn.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 15 1957

DATE	INITIALS	CODE
4/15	C	220
"	COM	100
4/17	Hud	

INTERIM REPORT

DMEA-4448, Idm-E1046 (mica) JOHNSON MINE

Operator: Lewie Aldridge, Sam Brown, and W. S. Flynnt, c/o W. S. Flynnt, Crossnore, N. C.

Location: 1.8 miles east of Plumtree, Avery Co., N. C.

Drifting continues to the northwest on this contract, and 59 feet of level work has been completed to date. All drift work has been conducted in a thick pegmatite lense or lenses, some of which show no vertical extent in limited test hole drilling completed to date. For the most part, the lenses are barren of mica. One large 25 lb. book was recovered at 15 feet from the incline in the drift, but the position of the book in relation to the body could not be determined. Instructions were given for driving exploratory crosscuts in that area before further extension of the drift in the present direction. Occasional small lenses of mica and quartz have been observed in the incline and drift. The last test hole drilling accomplished is as follows at the 39 foot point in the drift: an 8 foot hole horizontal was drilled in the NE wall in barren pegmatite; an 8 foot hole was drilled in the southwest wall in a N70°W direction in pegmatite; and an 8 foot hole was drilled in the back at +80° in biotite gneiss.

The Examiners are of the opinion that additional test hole drilling, preferably with extension steel is necessary to probe for mica-bearing structures. Further extension of the drift and some

stoping may be necessary to locate the producing horizons formerly explored to the east. The Operators have cooperated with the Examiners throughout this exploration and indicated that suggestions concerning the drilling would be carried out. Progress on this contract is satisfactory.

L. E. Shirley

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

E. D. Boudette

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

April 1, 1957

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- 60

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1957 Docket No. DMEA 4448 Contract No. Idm-E 1046
Operator's Name Lewis Aldridge, Sam Brown & W.S. Flynt Minerals Mica
Address Spruce Pine, N.C.
Contract Amount, $ 6,644.00 Government Participation: 75 % Amount, $ 4,983.00

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		178.00	178.00			
Crosscutting						
59' Drifting @ $32.00	1888.00		1888.00			
Shaft		3150.00	3150.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		76.00	76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Powder & Exploder Mags.		40.00	40.00			
(8) Contingencies (specify):						
TOTALS	1888.00	3444.00	5332.00	1,888.00	3,444.00	5,332.00

RECEIVED APR 8 1957 D.M.E.A.

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

Date 4-1-57 *Payee Lewis Aldrifge, Sam Brown, W.S. Flynt

Per W S Flynn Title Partners

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

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

(Instructions on reverse)

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

$ 1,416.00

Signature Helen R. Miller (Authorized Certifying Officer)

Date APR 3 1957 Vou. No. 161

(See other side)

$472.00

(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. Idm E 1046 in accordance with the terms of the contract.

Signature W. T. Beck Title Mining Engr USBM Date APR 2 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date APR 2 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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1957 Docket No. DMEA 4448 Contract No. Idm-E 1046
Operator's Name Lewis Aldridge, Sam Brown & W.S. Flynt Minerals Mica
Address Spruce Pine, N.C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	1888.00	59	1888.00	59	32.00	100	32.00
Crosscutting								
Raising								
Shafts				3150.00	75	42.00	75	42.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Cu.Yds.			178.00	889	0.20	889	0.20
TOTAL DISTRIBUTED COSTS		1888.00		5216.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				76.00				
Powder & Exploder Mags.				40.00				
TOTAL COSTS		1888.00		5332.00				

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

Date 4-1-57 Operator Lewis Aldridge, Sam Brown, & W.S. Flynt
Per W.S. Flynt Title Partners

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)

RECEIVED APR 3 1957 D.M.E.A.

W. T. Beck, Mining Engineer
U. S. Bureau of Mines
APR 2 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

OPERATOR'S

Monthly Progress Report

DMEA 4448, Idm-E 1046

Johnson Mine

Work Accomplished:

In this month we have completed 59' of Drift, and recovered approximately 30 pounds of mica about 18' from the Shaft. Drilled, Shot, and Mucked out waste daily.

Daily Notes:

1 - 8 : Shooting and mucking incline shaft, 3 hrs. delay drilling 2 test holes on Right 14' in Slate, 4 hrs. delay drilling 2 test holes on Right 6' hard pegmatite.

11 - 15 : Drilling and mucking in latteral, we recovered approximately 30# of mica.

18 - 22 : Mucking and drilling in pegmatite, finding no mica.

25 -29 : Drilled 4 test holes 8' depth on right, left top and bottom of latteral in pegmatite with exception that was 8' in slate in top hole.

5
5
5
15

EXTRA COPY
DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE

RECEIVED
APR 2 - 1957

EXTRA COPY
DNEA
RECEIVED
DATE

INTERIM REPORT

DMEA-4448, Idm-1046 (mica) JOHNSON MINE

Operator: Lewie Aldridge, Sam Brown, and W. S. Flynnt, c/o W. S. Flynnt
Crossnore, North Carolina

Location: 1.8 miles east of Plumtree, Avery Co., N. C.

Inclined shaft sinking has been completed on this contract. Level work is underway from the 68-foot level, and an advance of 35 feet of drift has been made in a N40°W direction. The work has been conducted to date principally in feldspathic pegmatite. At the 15 foot point in the drift one large 25 pound book of mica and a few smaller books were produced from the back area. Test hole drilling is in progress in the drift and completed holes are as follows: at 12 feet in the NE wall, horizontal hole in a N5°E direction, 8 feet long, cut 4 feet biotite gneiss and 4 feet of pegmatite; at 15 feet in the SW wall, 12 foot horizontal hole drilled in a N85°W direction, cut 12 feet of pegmatite; at 27 feet a +80° hole drilled in the back, cut 12 feet of pegmatite.

In the present heading a lense of pegmatite, containing small mica and added quartz, is exposed. Instructions were given for test hole drilling in this area and continued drifting.

Progress on this job has been very good, due to efficient management and use of experience personnel.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 2 1957

DATE	INITIALS	CODE
4/2	C	2/20
3	Com	100
4	H	6

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

S. C. Bergman and E. L. Boudotte, Geologists
U. S. Geological Survey

March 21, 1957

EXTRA COPY
DMEA
RECEIVED MAR 18 1957
DATE | INITIALS | CODE
3/21 | Mau | 600

INTERIM REPORT

DMEA-4448, Idm-E1046 (mica) JOHNSON MINE

Operator: Lewis Aldridge, Sam Brown, and W. S. Flynnt, c/o W. S. Flynnt, Crossnore, N. C.

Location: 1.8 miles east of Plumtree, Avery Co., N. C.

Inclined shaft sinking on a -20° to -25° slope continues on this contract and is now at 79.5 feet. Seventy-five feet of the incline was provided under terms of the contract, and the additional 4.5 feet have been driven at the Operator's own expense.

All of the incline completed during the interim has been in a thick pegmatite lense which has been followed from the 41.5 foot point to the present face. The body is primarily feldspathic with occasional scattered quartz and small books of fair quality muscovite. Instructions were given for long test hole drilling to be conducted in the vicinity of the present face, both vertically and horizontally. Previous test holes completed at intervals during incline sinking did not pick up mica producing bodies above or below the present work. Turnoff for level work will be to the northwest, if outlined drilling does not show the presence of mica-bearing structures.

Progress on this contract has been good due to efficient management and experienced personnel. Suggestions were made concerning future level work.

Mr. V. J. Lydon, Bureau member of the Field Team, Region V, accompanied the Field Examiner on this visit to the mine.

OFFICIAL FILE COPY
RECEIVED MAR 15 1957
DATE | INITIALS | CODE
3/18 | CMu | 100
3/18 | C | 220
3/21 | Wra | 600

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

March 4, 1957

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- 57

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Feb. 195 7 Docket No. DMEA 4448 Contract No. DMEA 1046
Operator's Name Lewie Aldridge, Sam Brown & W. S. Flynt Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $ 6644.00 Government Participation: 75 % Amount, $ 4983.00

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 @ 0.20		178.00	178.00			
Bulldozing						
Crosscutting						
55½' Shaft @ 42.00	2331.00	819.00	3150.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		76.00	76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Powder & Explod.		40.00	40.00			
(8) Contingencies (specify):						
TOTALS	2331.00	1113.00	3444.00	2331.00	1113.00	3444.00

RECEIVED MAR 22 1957

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-1-57 *Payee Lewie Aldridge, Sam Brown & W. S. Flynt
Per W. S. Flynt 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:
$ 1748.25
Signature Helen R. Miller (Authorized Certifying Officer)
Date MAR 22 1957 Vou. No. 154
(See other side)

582.75

(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-1046 in accordance with the terms of the contract.

Signature V. J. Lynch Title MINING ENGINEER ~~U. S. BUREAU OF MINES~~ Date MAR 12 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date MAR 12 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

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

Month of Feb. 195 7 Docket No. DMEA 4448 Contract No. Idm E 1046
Operator's Name Lewie Aldridge, Sam Brown & W. S. Flynt Minerals Mica
Address Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Feet	2331.00	55½	3150.00	75	42.00	75	42.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Cu.Yd.			178.00	889	0.20	889	0.20
TOTAL DISTRIBUTED COSTS		2331.00		3328.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				76.00				
Powder & Exploder Magz.				40.00				
TOTAL COSTS		2331.00		3444.00				

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

Date 3-1-57 Operator Lewie Aldridge, Sam Brown & W.S. Flynt

Per W S Flynn 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)

V. J. Lynch
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

OPERATORS
MONTHLY PROGRESS REPORT
FEBRUARY

EXTRA COPY
D M E A
RECEIVED MAR 25 1957
DATE | INITIALS | CODE

JOHNSON MINE

DMEA-4448, Rd-E 1046

~~Work Accomplished~~

Work Accomplished:

Feb. 4 to 8 Incl. Drilling and Mucking with 4 men- in the pegmatite- Had no delays and recovered no mica.

Feb. 10 to 15 Incl. Drilling and Mucking with 4 men-in the pegmatite- Had no delays and recovered no mica.

Feb. 18 to 22 Incl. Drilling and mucking with 4 men- in the pegmatite Had no delays and recovered no mica.

Feb. 25 to 27 Incl. Drilling and mucking with 4 Men- in the pegmatite- Had no delays and recovered no mica.

Feb. 28- 4 hours drilling 8-8' Test holes, findings were reported to the Field Team. We shot and recovered about 4 pounds small mica of good quality. The mica is laying next to a hanging wall of slate.

To date we have completed 75 feet of incline shaft.

5
5
5
3
1
19

INTERIM REPORT

DMEA-4448, Idm-E1046 (mica) JOHNSON MINE

Operator: Lewie Aldridge, Sam Brown, and W. S. Flynnt, c/o W. S. Flynnt
Crossnore, N. C.

Location: 1.8 miles east of Plumtree, Avery Co., N. C.

Inclined shaft sinking continues on this contract in a N10°W direction on a -20° slope, and 51 feet of shaft has been completed to date. The work began in a thick lense of pegmatite which pinched out, but continued sinking has picked up another lense of pegmatite of comparable thickness which contains considerably more quartz and small scattered mica in scrap sizes. Instructions were given for continued incline work. The operator was advised to obtain extension steel for long-hole percussion drilling to begin in the immediate future at points in the incline to be determined by the Field Examiners.

Progress on this contract has been good.

L. E. Shirley

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

S. C. Bergman

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

February 18, 1957

OFFICIAL-COPY

[redacted]

DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE
3/5	CEM	100
3-5	C	220
3/6	[illegible]	[illegible]

4448

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 2-18

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. ~~COO~~

Note comments in report regarding:

1.

2.

3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division: Statement by H. I. Noted.

Robert E. Adams

RECEIVED
FEB 18 1957
D.M.E.A.

INTERIM REPORT

DMEA-4448, Idm-E1046 (mica) JOHNSON MINE

Operator: Lewie Aldridge, Sam Brown, and W. S. Flynt, c/o W. S. Flynt, Crossnore, North Carolina

Location: 1.8 miles east of Plumtree, Avery County, North Carolina

The prospect was inspected and measured on February 5, 1957, at which time the Operator had completed 19½ feet of shallow inclined shaft in hard unweathered material. It is being driven due north in a large (at least 12' thick) lenticular feldspathic pegmatite. The incline is cut by a 6 to 12 inch thick inclusion of mica gneiss which trends N. 75° E. 35° NW.

After sufficient entry is gained into the hillside, exploration will have to be conducted in part by probing in the vertical plane with extension steel drilling since the pegmatites are a series of pinching and swelling lenticular structures which may or may not have continuity along any one plane of foliation but may be distributed over an unknown stratigraphic thickness. Exploration in such structures has been in the past conducted primarily along one plane of foliation, from the outcrop into the hillside. Little attention has been paid in the past to the third dimension and to lenticular structures which by limited strike and dip extent may not outcrop but be present above or below existing mine openings. The smaller pegmatitic lenses in this area appear to be generally rich in muscovite. If a certain density of such structures can be outlined in three dimensions partly by drifting and partly by drill probing, it is believed they can be mined fully as economically as a single large structure. ?

S. C. Bergman, Geologist, USGS
E. E. Boudette, Geologist, USGS
Wm. A. Beck, Mining Engineer, USBM

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- 45

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Jan., 1957 Docket No. DMEA 4448 Contract No. Idm-E 1046
Operator's Name Lewie Aldridge, Sam Brown, & W.S.Flynt Minerals Mica
Address Spruce Pine, N.C.
Contract Amount, $ 6,644.00 Government Participation: 75 % Amount, $ 4,983.00

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						
889 c.y. Bulldozing @ $ 0.20	178.00		178.00			
Crosscutting						
Drifting						
19½' Shaft @ $ 42.00	819.00		819.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	76.00		76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Powder & Exploder Mags.	40.00		40.00			
(8) Contingencies (specify):						
TOTALS	1113.00		1113.00	1113.00		1113.00

RECEIVED FEB 11 1957 D.M.E.A.

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

Date 2-6-57 *Payee Lewie Aldridge, Sam Brown, and W.S. Flynt

Per W S Flynt Title Partners

*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:

$ 834.75

Signature Helen R. Miller
(Authorized Certifying Officer)

Date FEB 8 1957 Vou. No. 126

(See other side)

278.25

(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-1046 in accordance with the terms of the contract.

Signature N. J. Lynch Title MINING ENGINEER U. S. BUREAU OF MINES Date FEB 7 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title EXECUTIVE OFFICER REG. ON W. Date FEB 7 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
FEB 11 1957
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Jan. 195 7 Docket No. DMEA 4448 Contract No. Idm-E 1046
Operator's Name Lewie Aldridge, Sam Brown, & W.S. Flynt Minerals Mica
Address Spruce Pine, N.C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	19½	819.00	19½	819.00	19½	42.00	75	42.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing Shaft Site	Cu.Yd.	178.00	889	178.00	889	0.20	889	0.20
Total Distributed Costs		997.00		997.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.		76.00		76.00				
Powder & Exploder Mags.		40.00		40.00				
Total Costs		1113.00		1113.00				

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

Date 2-6-57 Operator Lewie Aldridge, Sam Brown & W.S. Flynt

Per W S Flynt Title Partners

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)

W. J. Lynch
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

FEB 1 1957
D.M.E.A.

OPERATOR'S

MONTHLY PROGRESS REPORT

JANUARY

DMEA-4448, Idm-E 1046

JOHNSON MINE

Work accomplished:

We bulldozed shaft site, constructed toolhouse, sat up powder and exploder magazines, and have completed 19½' of shaft work to date. We have recovered no mic.

Daily Notes:

14 - 19 : We bulldozed shaft site, did not work part of the week, because of the rain.

21-22-23: Constructed toolhouse, sat up powder and exploder magazines.

24 - 25 : Drilled, shot and worked on Incline shaft.

28-29-30: Drilled, shot and worked on shaft, to date we have completed 1' of incline shaft.

2
3/5

RECEIVED
FEB 7 - 1957
U.S. ATOMIC ENERGY COMMISSION
Grand Junction
Knoxville, Tenn.

RECEIVED
FEB 7 - 1951

INTERIM REPORT

DMEA-4448, Idm-E1046 (mica) JOHNSON MINE

Operator: Lewie Aldridge, Sam Brown, and W. S. Flynnt, c/o W. S. Flynnt, Crossmore, N. C.

Location: 1.8 miles east of Plumtree, Avery Co., N. C.

The starting date on this contract is January 14, 1957. Preparation of shaft site consisting of rock and loose muck removal has been completed. Incline work has not begun because of bad weather, but is expected to start during the current week.

Equipment at the site consists of a double drum gasoline-powered hoist, air compressor, etc. A tool house, powder magazine, and exploder magazine have been built.

L. E. Shirley

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

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

January 23, 1957

Form 7
-56)

OFFICIAL FILE COPY

Date	Surname	Code
1-4 57	Anderson	600
1-4	Houk	600
1/7	Selfridge	130
1/7	FE Johnson	110
1/7	Dietrich	100
1-8	C	225

600

600

JAN 7 1957

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

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery County, North Carolina
Contract No. Idm-E1046

Dear Mr. Laurence:

Enclosed are copies of the subject contract for the Finance Office and the Field Team which were mailed by the Operator to this office.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (24B)

Approved:

Frank D. Lamb (24B)

Member, Bureau of Mines

Thor H. Kiilsgaard (24B)

Member, Geological Survey

Enclosures 2

WCAnderson:gad 1/3/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

Docket Copy
Surname:
Anderson
Houk
Chamberlin
Selfridge
Mathews

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

DEC 20 1956

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

Re: Docket No. DMEA-4448-Mica
Lewis Aldridge, et al.
Johnson Mine
Avery County, North Carolina

Dear Mr. Lawrence:

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 (1 page), Consent to Lien, Exhibit A (2 pages), and three maps. Also enclosed are two extra copies of Annex I, Exhibit A, and Figures 1 and 2, and one copy of Figure 3 for Field Team use.

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 accepted within your delegated authority, then the original and all copies of the contract and the two extra copies of Annex I, Exhibit A and Figures 1 and 2, and the single copy of Figure 3 are to be returned to this office, together with the proposed changes for consideration.

Copies of memoranda dated November 28 and December 3, 1956, by W. F. Dietrich, BSEM, and N. E. Nelson, USGS, respectively, relating to the project are enclosed.

Sincerely yours,

Approved:

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

N. E. Nelson (SAS)
Member, Geological Survey

George C. Selfridge
Chairman, Operating Committee (SAS) R.C.S.

Enclosures 12

WCAnderson:gad 12/14/56
Copy to: Admr. R. File Docket
Operating Committee
Mr. Kiilsgaard, 5222 Mr. Houk
Mr. Dietrich, 3061

Dec. 14, 1956

Memorandum

To: File

From: Walter C. Anderson, Nonmetallic Minerals Division

Subject: Evaluation of Application and Field Examination Report
Docket No. DMEA-4448-Mica
Lewis Aldridge, W. S. Hyatt, + Sam Brown
Johnson Mine
Avery County, North Carolina

A Contract is recommended

Mica: No detailed description given in report, however it is stated that mica of strategic grade has been produced from workings in the past. In one period of past production, mica production consisted of 26.6% clear sheet and 73.4% punch.

Pegmatite: Two types of flat pegmatite lenses. (1) 15 to 20 feet thick, fine grained and barren of mica (2) 1 to 8 feet thick, larger grained, sill-like elliptical lenses containing the richest zones of muscovite. These lenses are emplaced (generally conformable, locally disconformable) in hornblende gneiss. Pegmatite lens 10 feet thick exposed for 50 feet in shallow open cut. A large unexplored block of ground exists to the north + west of the open cut.

Old workings - extensive

Past production - Total figures not given in report.

Method of exploring:

1. Proposed by applicant: 100 feet of drifts and buildings @ $5,140.00.
2. Recommended by Field Team:

(a) Shaft site preparation	$178.00
(b) Buildings	115.00
(c) 75 feet inclined shaft @ $45.30/ft	3,398.00
(d) 100 feet of drifts @ $34.79/ft.	3,479.00
Total estimated by Field Team	$7,170.00

3. Contract as written by Nonmetallic Minerals Division

(a) Shaft site preparation	$178.00
(b) Buildings	116.00
(c) 75 feet inclined shaft @ $42.00/ft.	3,150.00
(d) 100 feet of drifts and/or crosscuts @ $32.00/ft.	3,200.00
Total	$6,644.00

The unit costs as used by the Nonmetallic Minerals Division in the contract are less than those used by the Field Team, because:

1. Equipment rental was reduced to $250/month.
2. Rate of advance per day was increased in the case of shaft sinking from 1.5 to 1.7 feet per day, and for drifting from 2.0 feet to 2.2 feet per day, which is in line with an agreed and established advance per day applying to unweathered rock.

Recommendation: The Nonmetallic Minerals Division concurs in the Field Team's recommendation to give the applicant a contract with revisions to the Field Team's unit costs as outlined above.

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

IN REPLY REFER TO:

RECEIVED DEC 4 1956 D.M.E.A.

December 3, 1956

Re: DMEA 4448
Lewie Aldridge et al.
Johnson Mine
Avery Co., N. C.
Appl. Est. $5,140.00 - Mica
Rec'd Est. $7,170.00

Memorandum

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

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

Subject: Review of Field Team Report.

The applicants requested assistance in exploring a pegmatite that appears to be somewhat similar to nearby pegmatites from which strategic mica has been produced.

The examiners and Field Team recommend that a flat incline be driven on the footwall of the pegmatite which may underly the pegmatite on which considerable mining has been done. Elevations are lacking on the Y-Y' section and the relative positions of pegmatites is not determinable.

The outcrop of the pegmatite contains little or no mica but the examiners conclude it may be mica-bearing down dip or mica-bearing lenses may be encountered in which case drifting, cross-cutting and raising may be done.

The work proposed appears to be warranted and I concur with the recommendation of the examiners and Field Team.

N. E. Nelson

N. E. Nelson

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

A

RECEIVED NOV 29 1956 D.M.E.A.

November 28, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA - 4448 (mica)

Applicant: Lewie Aldridge

Name and Location of Property: Johnson Mine
Avery Co., North Carolina

Date of Field Team Report: November 15, 1956

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: November 27, 1956

Field Team Recommendation: Recommend approval of a unit-cost contract.

Comments:

1. Strategic grade mica has been produced from underground workings at this location in the past.

2. The proposed program of exploration will determine value of ground in mine that previously has been reported as a producer of mica.

3. Proposed exploration outlined by the field team is consistent with good engineering practices and estimated costs are in line with other DMEA projects.

Recommendation:

I concur with the recommendation of the field team for approval of a unit-cost contract.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR

A

DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

WASHINGTON 25, D. C.

November 15, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Report - DMEA-4448 (mica)
Lewie Aldridge, et al. Spruce Pine, N.C.
Johnson Mine, Avery County, N.C.

Enclosed are four copies of the subject examination report, with nine extra copies of two maps.

Approval of a unit-cost contract, as outlined in the report is recommended.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. LYNCH
MEMBER, BUREAU OF MINES

RECEIVED
NOV 19 1956
D.M.E.A.

Reviewed by
DMEA OPERATING COMMITTEE
11-23-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT - FIELD TEAM REGION V

ON

DMEA-4448 (mica) JOHNSON MINE
Avery County, N. C.

By

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

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

Reviewed by
DMEA OPERATIONS COMMITTEE
11-23-56
(date)

Examined
October 17, 1956

Exam. Rpt.
(on site)

EXAMINATION REPORT - REGION V

On

DMEA-4448 (mica) JOHNSON MINE
Avery County, North Carolina

Applicant: Lewie Aldridge, Spruce Pine, N.C., Sam Brown and W. S. Flynt, Crossnore, N. C. (A partnership).

Summary

Strategic grade muscovite has been produced from thin elliptical lenses of pegmatite in the western half of the Johnson Mine. Other, barren, fine-grained pegmatite lenses that are sill-like occur as the thicker bodies in the eastern and northern parts of the mine workings. Future possibilities for the intersection of strategic muscovite bearing lenses of pegmatite appear to be good to the west of the old workings. A unit-cost exploration contract is recommended.

Introduction

Location

The Johnson mine is 1.8 miles east of Plumtree, Avery county, N. C., on a hillside north of Plumtree Creek, and about 0.26 miles south of the Slippery Elm mine on Elk Ridge.

Examination

The Johnson mica mine was examined October 17, 1956 in the company of Messrs. Lewie Aldridge and Robert Maclay, Geologist, USGS. Two hours were spent on the property. All accessible workings were inspected. Much back-filling has been done in the past; the large stope in the Goodman tunnel (cross-section E-F) has been back-filled to a large extent.

Competency of Applicants

The applicants are successful business men in the Spruce Pine area and have many years of mica mining experience. Mr. Aldridge, an automobile dealer in Spruce Pine, has been operating DMEA contracts. Mr. Flynt of Crossnore, N. C, worked the Birch mine during and after World War II and has recently operated several DMEA contracts. Both have been most cooperative with the Field Examiners.

Facilities

No improvements exist at the site. Electricity is about 150 feet downslope near a graveled road. Water may be obtained from the nearby Plumtree Creek.

General Geology

The mine is characterized by two types of flat pegmatite lenses. One type, predominant on the eastern and northern parts of the mine is relatively thick (15 to 20 ft), fine-grained, barren pegmatite; the other, small (1 to 8 ft thick) is larger-grained, sill-like elliptical lenses contain the richest zones of muscovite. These lenses occur at about the same horizon in a northwesterly trending zone in the western section of the mine that seems to be aligned perpendicular to the long axes of the individual lenses. Olson' (1944), reports that the trend of the richest workings have been N 60° W.

The muscovite-bearing lenses consist of gray quartz, soda and potash feldspars, and muscovite, with some garnet, apatite, allanite (?) and pyrrhotite. Microcline is abundant in the thicker lenses and finer-grained lenses, while plagioclase is predominant with the muscovite-rich lenses.

The pegmatites have been emplaced in hornblende gneiss similar to the mode shown at the "A" and Elk mines. The lenses are generally conformable, but locally are disconformable to the country rock.

Muscovite production figures taken from Olson's 1944 report' are:

1928 and 1930..... 440 lbs. (26.6%) clear sheet. 1217 lbs. (73.4%) punch
Total of 1657 lbs.

The following size distribution was noted:

1-½ x 2,	27.1%
2 x 2,	22.5%
2 x 3,	20.7%
3 x 3,	10.5%
3 x 4,	8.9%
3 x 5,	8.9%
4 x 6,	1.6%

The mine was idle from 1936 to 1943. These figures do not represent all the work done, but is a good indication of the quality of the muscovite. A good percentage was in the larger sizes.

Geology of Pegmatite at Proposed Site of Exploration.

A pegmatite lens 10 feet + thick containing plagioclase, quartz, and small, clear, ruby muscovite is exposed for 50 feet in a shallow open cut on the western side of the mine. The cut trends N 80° W. The enclosing rock is essentially a hornblende gneiss with some schist along the contacts.

The lens has a low inferred dip to the northeast.

A large, unexplored block of ground exists to the north and west of the cut. This lens and possibly other smaller lenses may be found to contain good muscovite in quantity. Since the richest zones trend N 60° W, a shallow inclined shaft driven northward could be expected to intersect the zones at right angles, thus picking up more than one zone. These zones could then be followed with east-west drifts.

Conclusions and Recommendations

Mica of strategic grade has been produced from rather extensive underground workings at this location in the past. The Field Examiners believe that the following exploration program in hitherto unexplored ground west of the old workings will afford the possibility for outlining reserves and the production of strategic mica. The exploration program should consist of shaft site preparation by bulldozer, building toolhouse and magazines, sinking 75 feet of shallow incline shaft in pegmatite, and drifting 100 feet of drift and/or crosscut and/or raise at those points where mica-bearing pegmatite is intercepted or at those points most beneficial to the program.

Estimated Costs:

Shaft site preparation, including removal of loose muck from an existing open cut. 60' x 40' x 10' = 889 cu.yds @ 20¢ per yd.....$178.00

Toolhouse	$75.00	
Powder Magazine	25.00	
Exploder "	15.00	115.00

Sink 75 feet of inclined shaft 5' x 7' in cross-section (50 shifts) - (1.5 ft per shift)

Labor: Use 1.7 ft/sh. = 45 shifts

Labor-cont'd

1 - Miner-foreman @ $1.75/hr.	$700.00	630.00
1 - Hoistman @ $1.50/hr	600.00	540.00
1 - Mucker @ $1.00/hr	400.00	360.00
	1700.00	1530.00

Equipment (rental)

1 - Compressor with hose @ $150/Mo. (105 c.f.m.)	375.00	250/mo.
1 - Hoist (gasoline) $50/Mo.	125.00	563.00
1 - Sump Pump @ $45/Mo.	112.50	
1 - Air rock hammer @ $45/Mo.	112.50	
	725.00	

Supplies:

Explosives	325.00
Drill Steel	135.00
Gasoline and oil	150.00
Small tools, pipe, etc.	150.00
Sales Tax	23.00
Liability Ins. & Soc.Sec.	190.00
	973.00

Total estimated cost of shaft sinking..... $3,398.00 45.30/ft → $3066.00

Drive 100 feet of drift and/or crosscut and/or raise, 5' x 7' in cross-section and timber where necessary (50 shifts) (2.0/ft.) use $42.00/ft.

Labor: Use 2.2 ft/shift = 45 shifts.

1 - Miner - foreman @ $1.75/hr.	$700.00	630.00
1 - Hoistman @ $1.50/hr.	600.00	540.00
1 - Mucker @ $1.00/hr.	400.00	360.00
	1700.00	1530.00

Equipment (rental)

1 - Air Compressor with hose @ $150/Mo.	375.00	250/mo
1 - Hoist @ $50/Mo.	125.00	563.00
1 - Rock hammer @ $45/Mo.	112.50	
1 - Sump Pump @ $45/Mo.	112.50	
1 - Jackleg @ $35/Mo.	88.00	
	813.00	

Supplies:

Gasoline and oil	185.00
Explosives	275.00
Drill steel	150.00
Timber- 500 b.f. @ $65/M	28.00
Small tools and pipe,etc.	115.00
Sales Tax	23.00
Liability Ins & Soc.Sec.	190.00
	966.00

Total estimated cost of drift $3,479.00 → $3059.00 use $32/ft.

Total estimated cost of project $7,170.00

($34.79/ft)

Ref.

1. Olson, J.C., 1944, The Johnson Mica Mine
Avery County, N.C. USGS report

A. R. Taylor, Geologist
Geological Survey

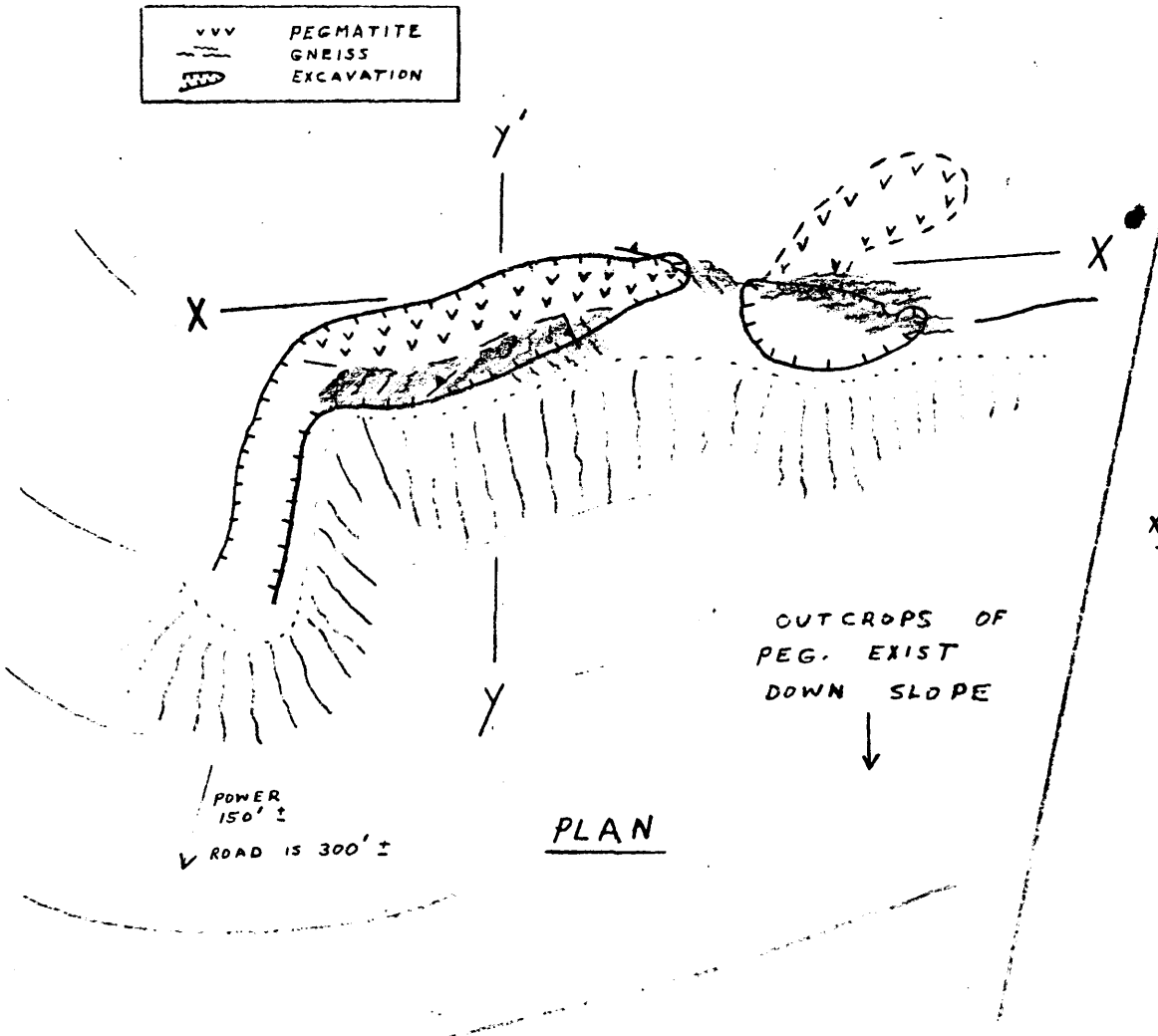
L. E. Shirley, Mining Engineer
Bureau of Mines

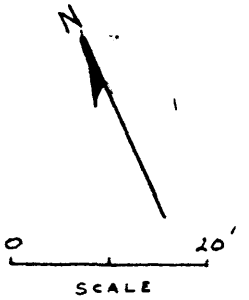
z

Nov.15, 1956

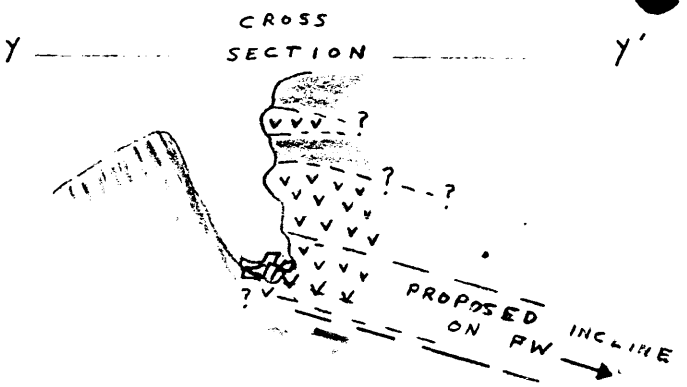
DMEA - 4448 - MICA
JOHNSON MINE
AVERY CO., N.C.

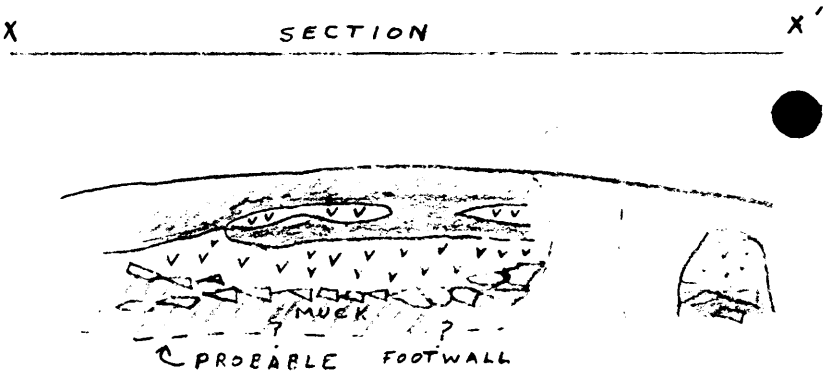
2





SECTIONS --- NO SCALE





EXAMINED: 10-17-56 BY
L.E. SHIRLEY, USBM
A.R. TAYLOR, USGS

10-23-56

Docket Copy
Surname:
Anderson
Hpc
Kiilsgaard
Labrb
Selfridge
KJohnson

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

SEP 24 1956

Messrs. Lewie Aldridge, Sam Brown
and W. S. Flynt
C/O Mr. Lewie Aldridge
Spruce Pine, North Carolina

Re: Docket No. DMEA-4448-Mica
Lewie Aldridge, et al.
Johnson Mine
Avery 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. Lawrence, 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. Mittendorf
(Sgd.)
Administrator

WCAnderson:gad 9/21/56
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.S.

Docket Copy
Surname:
Anderson
Hoyt
Selfridge
Johnson

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

600

SEP 24 1956

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

Subject: Docket No. DMEA-4448-Mica
Lewis Aldridge, et al.
Johnson Mine
Avery 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 September 6 and 20, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (SVS)

Approved:

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

Thor H. Kiilsgaard
Member, Geological Survey (SVS)

Enclosures 4

WCAnderson:gad 9/21/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

RCB

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

RECEIVED

September 20, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4448 (mica)

Applicant: L. Aldridge, S. Brown, W. S. Flynt

Name and Location of Property: Johnson Mine, _____, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 9/4/56

Comments:

1. From the limited information presented, it is difficult to determine if an exploration program is justified or if the proposed plan would be the best method of exploration.

2. It appears a field examination is necessary to determine the feasibility of a project.

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

Attachment

IN REPLY REFER TO:

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

RECEIVED
SEP 7 1956

Sept. 6, 1956

Re: DMEA 4448
Lewie Aldridge, et al
Johnson Mine
Mitchell Co., N. C.
$5,140 - 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 pegmatite by 100 feet of drifting. They claim mica has been exposed where the pegmatite has been cleaned off, and mica was produced by another operator.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

September 4, 1956

Johnson Mine
c/o Mr. Lewie Aldridge
Spruce Pine, N. C.

Subject: DMEA-4448
Re: Exploration Assistance
Johnson Mine

Dear Mr. Aldridge

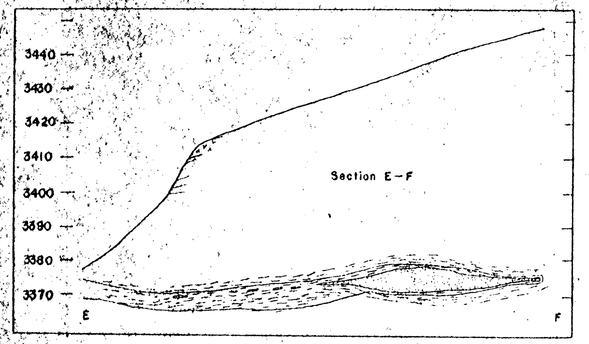
The receipt of your application dated August 25, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

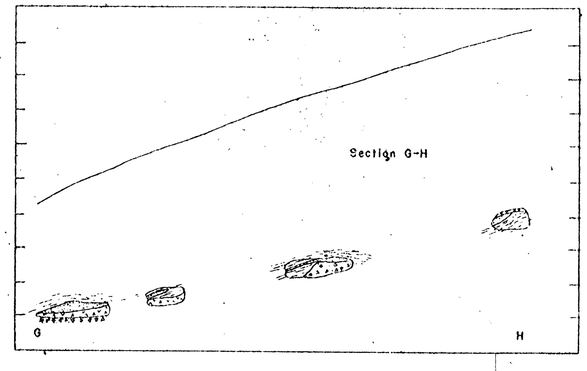
Your application has been assigned Docket Number DMEA-4448 and referred to the Nonmetallic Minerals Division.

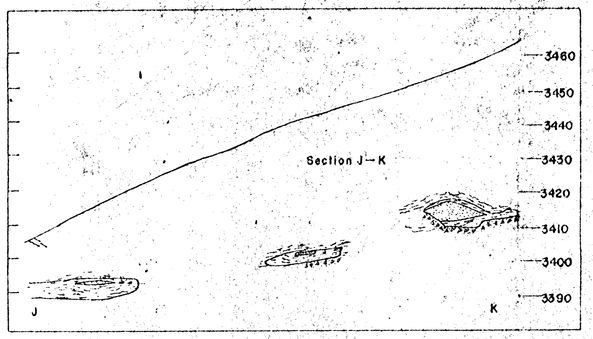
Kindly identify all future correspondence relating to your application by this docket number.

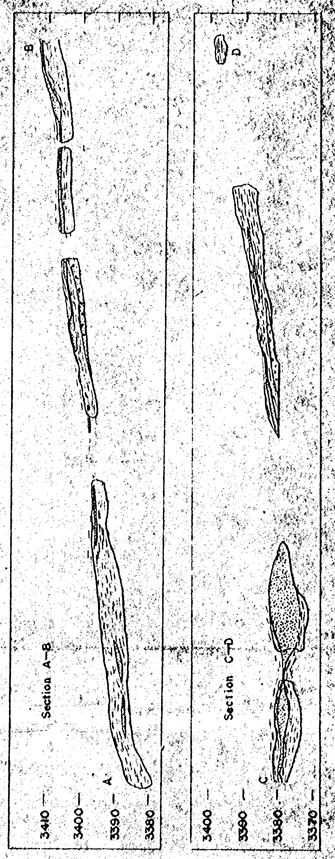
Sincerely yours,

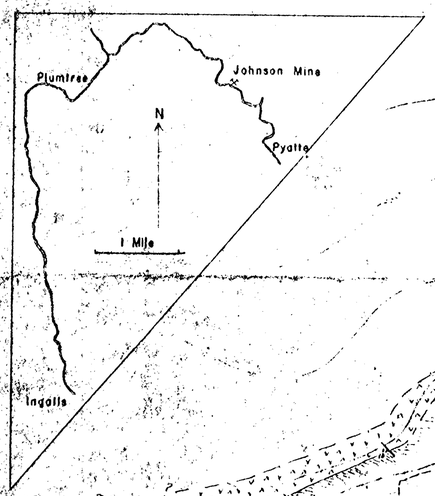
Allen S. Dakan
~~XXXXXXXXXXXXXX~~, Chief
Operations Control and
Statistics Division

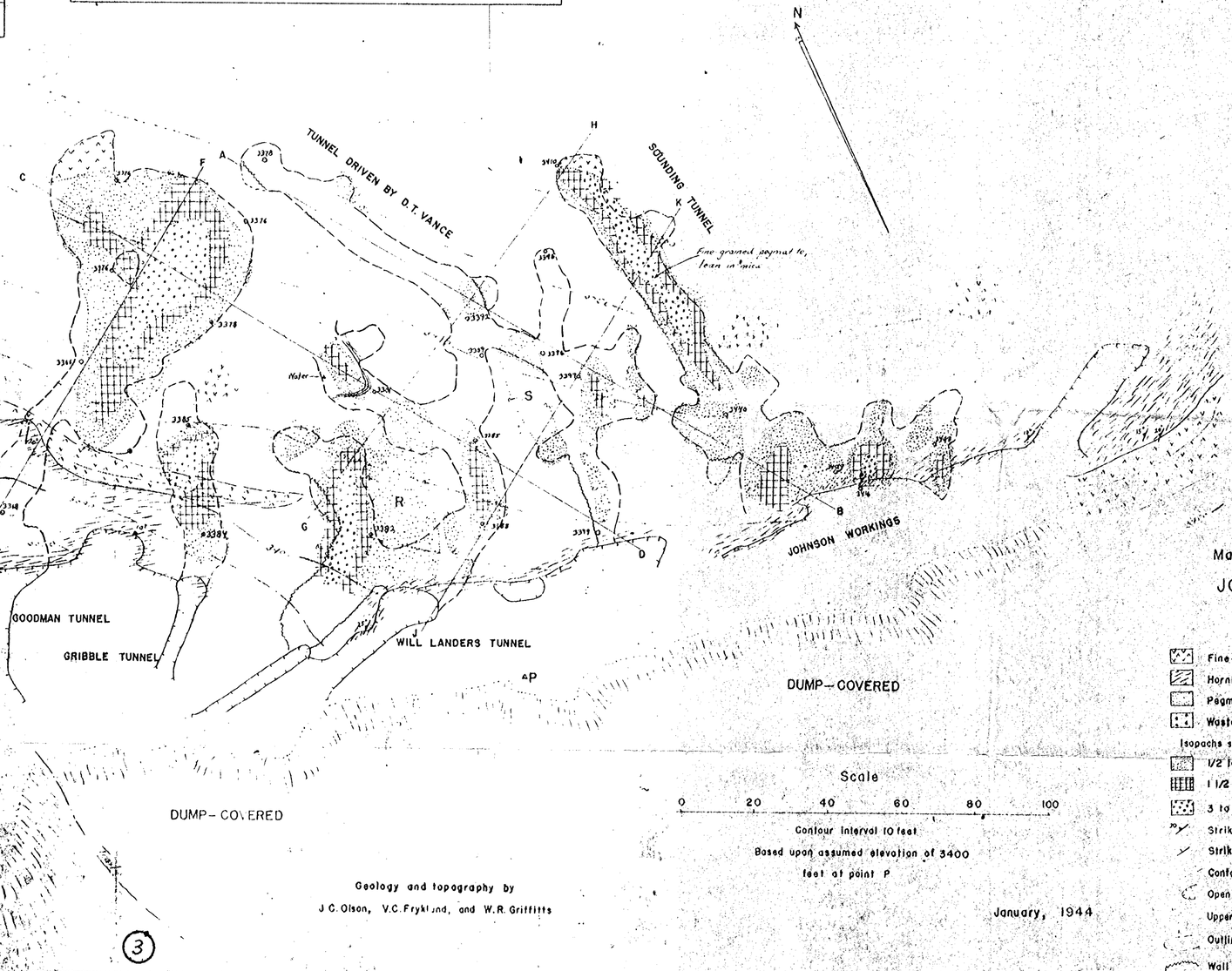












Map and sections of the

JOHNSON MINE

EXPLANATION

- Fine-grained barren pegmatite
- Hornblende gneiss
- Pegmatite in sections
- Waste rock in sections

Isopachs showing thickness of mica-bearing pegmatite

- 1/2 to 1 1/2 feet
- 1 1/2 to 3 feet
- 3 to 8 feet
- Strike and dip of foliation of gneiss
- Strike and dip of contact
- Contact
- Open cut
- Upper edge of dump (dumps not completely mapped)
- Outline of underground workings
- Wall obscured by waste rock

Scale

0 20 40 60 80 100

Contour interval 10 feet

Based upon assumed elevation of 3400 feet at point P

January, 1944

Prepared in cooperation with the North Carolina Department of Conservation and Development

Geology and topography by

J.C. Olson, V.C. Frykland, and W.R. Griffitts

3

JOHNSON MICA MINE, AVERY COUNTY, N.C.