DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE — Idm-E NO 835 — DMEA NO. 3813

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [x] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [x] Royalty Audits
- [x] Certification of Discovery 5-9-56
- [x] Closing Letter
- [x] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [x] Contract Amendments
- [x] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [x] Project summary (final)
- [x] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [x] Field Team Semi-Annual Report for Certified Project
- [x] Final Field Team Report (Tab) 2-24-56
- [x] Operator's Final Report (Tab) 1-23/56
- [x] Interim Field Team Reports
- [x] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [x] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-E835, Docket DMEA-3813 (mica), dated June 30, 1955, with

T. B. Vance
Plumtree, North Carolina

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Shuffle Vance, Red, or Charlie Burleson Mine located in Avery County, North Carolina, during the period November 2, 1960, through September 20, 1963.

A certification of discovery or development was issued on May 9, 1956, and, in accordance with Article 7 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 10 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. A Report of Review dated February 8, 1956, indicated accepted costs under the exploration contract amounting to $5,310.00 with the Government's contribution on a 75 percent basis being $3,982.50.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review found no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review which found the sales subject to the Government's royalty through November 1, 1960, to be $5,983.01. The royalty account as of November 1, 1960, was:

Total Royalty Payable	$299.15
Total Royalty Paid	299.15
Balance of Royalty Due	$ -0-

As of September 20, 1963, the royalty account of this project was found to be:

Total Royalty Payable	$299.15
Total Royalty Paid	299.15
Balance of Royalty Due	$ -0-

E. D. Talbert

E. D. Talbert, OMX Auditor

November 12, 1963

Idm-8835 T. B. Vance DMEA-3813

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

This contract provides that the Operator, as principal if the producer or as surety if not the producer, shall pay to the Government a percentage royalty on all minerals produced from the land thereunder. The land consists of a plot of about 26 acres on a spur of Doublehead Mountain about 1 mile N 61° W of Plumtree. At the time the contract was executed the Operator was the owner.

Exploration work under the contract was completed on January 6, 1956. Production during the exploration period by the Operator and intermittently thereafter by lessees (Dave Dellinger and William Stafford) and the Operator resulted in sales through November 6, 1958, to the G.S.A. Mica Purchase Depot at Spruce Pine, one sale to M. E. Burleson in August 1958, and a commercial sale of scrap during 1958. These sales, which aggregated 332.75 lbs. of trimmed, 5,925 lbs. of hand-cobbed, and 2,030 lbs. of scrap, are covered by Reports of Royalty Review dated March 18, 1958, and November 2, 1960.

Examinations of the property, checks of the Mica Purchase Depot's records, and inquiries by regional OME representatives indicated that the property was inactive from November 1958 through June 15, 1960. An examination of the Depot's records during June 1962 by a representative of this Division disclosed no unreported sales. By December 1962 and September 1963 replies to MME Form 63 inquiries the Operator has advised that neither production nor change in property status has occurred since June 15, 1960.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The files indicate that all sales of production have been accounted for and proper royalty thereon paid;
(2) The property has been inactive since 1958; and
(3) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Office of Minerals Exploration, Washington, D. C., pertaining to Contract No. Idm-8835, Docket No. DMEA-3813 (Mica), dated June 30, 1955, with

T. B. Vance
Plumtree, North Carolina

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Shuffle Vance Mine located in Avery County, North Carolina, during the period February 20, 1958, through November 1, 1960.

A certification of discovery or development was issued on May 9, 1956, and, in accordance with Article 7 of the contract, royalty is payable on all minerals mined or produced from the land described in Article 2 of the contract for a period of 10 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. A Report of Review in lieu of final audit dated February 8, 1956, indicated accepted costs under the exploration contract amounting to $5,310.00 with the Government's contribution, on a 75 percent basis, being $3,982.50.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established the total sales of mica for the period to be $977.22. Royalty due the Government at rates specified in the contract is $48.86.

A prior Report of Royalty Review found the sales subject to Government royalty through February 19, 1958, to be $5,005.79 which added to the sales for this subsequent period make a total of $5,983.01. The royalty account as of February 19, 1958, was:

Total Royalty Due	$250.29
Total Royalty Paid	204.58
Balance of Royalty Due	$ 45.71

At November 1, 1960, the royalty account of this project was found to be:

Total Royalty Due	$299.15
Total Royalty Paid	299.15
Balance of Royalty Due	$ -0-

November 2, 1960

C. E. Fisher, OME Auditor

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

Intermittent operations were conducted subsequent to the exploration period through the latter part of 1958. The last sale of production of record consisted of 9.25 pounds of trimmed mica being lot No. 335 sold to the Spruce Pine Depot on November 6, 1958.

My review included the recomputation and tabulation of settlement data in the Washington office files. A summary of sales and royalty receipts follows:

Type of mica	Pounds	Value	Royalty
Trimmed	332.75	$4,641.13	$232.06
Hand-cobbed	5,925	1,311.43	65.57
Scrap	2,030	30.45	1.52
Totals	8,287.75	$5,983.01	$299.15

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) Inspection reports by field representatives of the Government and correspondence in the Washington office files indicates that all production to date has been reported and proper royalty has been received; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Office of Minerals Exploration, Washington, D. C., pertaining to Contract No. Idm-8835, Docket No. DMEA-3813 (Mica), dated June 30, 1955, with

T. B. Vance
Plumtree, North Carolina

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Shuffle Vance Mine located in Avery County, North Carolina, during the period February 20, 1958, through November 1, 1960.

A certification of discovery or development was issued on May 9, 1956, and, in accordance with Article 7 of the contract, royalty is payable on all minerals mined or produced from the land described in Article 2 of the contract for a period of 10 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. A Report of Review in lieu of final audit dated February 8, 1956, indicated accepted costs under the exploration contract amounting to $5,310.00 with the Government's contribution, on a 75 percent basis, being $3,982.50.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established the total sales of mica for the period to be $977.22. Royalty due the Government at rates specified in the contract is $48.86.

A prior Report of Royalty Review found the sales subject to Government royalty through February 19, 1958, to be $5,005.79 which added to the sales for this subsequent period make a total of $5,983.01. The royalty account as of February 19, 1958, was:

Total Royalty Due	$250.29
Total Royalty Paid	204.58
Balance of Royalty Due	$ 45.71

At November 1, 1960, the royalty account of this project was found to be:

Total Royalty Due	$299.15
Total Royalty Paid	299.15
Balance of Royalty Due	$ -0-

November 2, 1960

C. E. Fisher, OME Auditor

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

Intermittent operations were conducted subsequent to the exploration period through the latter part of 1958. The last sale of production of record consisted of 9.25 pounds of trimmed mica being lot No. 535 sold to the Spruce Pine Depot on November 6, 1958.

My review included the recomputation and tabulation of settlement data in the Washington office files. A summary of sales and royalty receipts follows:

Type of mica	Pounds	Value	Royalty
Trimmed	332.75	$4,641.13	$232.06
Hand-cobbed	5,925	1,311.43	65.57
Scrap	2,030	30.45	1.52
Totals	8,287.75	$5,985.01	$299.15

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) Inspection reports by field representatives of the Government and correspondence in the Washington office files indicates that all production to date has been reported and proper royalty has been received; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

MME Form 22
April 59

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name T. B. Vance

Address Plumtree, North Carolina

Exploration Contract No. Idm-E835 Docket No. DMEA-3813

		Check One Yes	Check One No.
1.	(a) Does the Operator stockpile ore subject to royalty repayment?		X
	(b) If so, is segregation and identification procedure adequate?		
2.	(a) Does Operator commingle production subject to DMEA or OME royalties with exempt production?		X
	(b) If so, do you consider the allocation of the commingled production equitable?		
3.	(a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?		X
	(b) If so, are adequate records maintained on such material to protect the Government's interest?		
4.	Do you consider the assay controls in effect are adequate?	X	
5.	Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	X	
6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?	X	
7.	Does the Operator buy from or sell to other Operators?		X
8.	Comment on any item 2 (b) to 6 if answer is No.		

November 1, 1960
Date

George C. Selfridge
Mining Engineer

53362

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the records of the Executive Officer, DMEA Field Team, Region V, Knoxville, Tennessee, pertaining to Contract Idm-E835, Docket No. DMEA-3813 (Mica), dated June 30, 1955, with

T. B. Vance
Plumtree, North Carolina

for the purpose of determining the amount of royalty due the U. S. Government on sales of mica from property referred to as Shuffle Vance Mine, located in Avery County, North Carolina, during the period June 30, 1955, to February 19, 1958.

A certification of discovery or development was issued on May 9, 1956, and, in accordance with the contract, royalty is payable on the net proceeds realized from production as a result of such discovery or development during a period of 10 years from the date of the contract or until the amount of the Government's contribution to exploration costs has been repaid, without interest, whichever occurs first. A report of review in lieu of final audit dated February 8, 1956, indicated accepted costs under the exploration contract amounting to $5,310.00 with the Government's contribution, on a 75 percent basis, being $3,982.50. The scope of this royalty review and the reasons therefor are stated on Schedule "A" attached.

My review established the total sales of mica to be $5,005.79. Royalty due the Government at the 5 percent rate specified in the contract is $250.29. The royalty paid and balance due are as follows:

Total Royalty Due	$250.29
Total Royalty Paid	204.58
Balance of Royalty Due per Schedule "A"	$ 45.71

C. E. Fisher
C. E. Fisher, Auditor

March 18, 1958

Schedule "A"

Contract Idm-E835, Docket No. DMEA-3813 (Mica)
Report of Royalty Review

This review was limited to the listing of sales of sheet and hand-cobbed mica to the Mica Purchase Depot, Spruce Pine, North Carolina, shown by the records of the DMEA Region V office pertaining to production from Shuffle Vance Mine on which royalty was due the Government. This list, which is filed with my audit work papers, was checked with the purchase records of the Depot. A summary of the indicated production, sales, and royalty due and paid follows:

Item	Production (Pounds)	Sales
Sheet mica	261.07	$3,694.36
Hand-cobbed mica	5,925.00	1,311.43
Totals	6,186.07	$5,005.79
Royalty due @ 5%		$ 250.29
Royalty paid		204.58
Balance of Royalty Due*		$ 45.71

*Applicable to the following sales of sheet mica to the Depot:

Date Sold	Pounds	Proceeds
11-12-57	24.20	$411.88
11-19-57	11.19	128.45
12-17-57	18.07	373.77
Totals	53.46	$914.10

It is recommended that the regional office also ascertain the quantities and value of any scrap or punch mica on which royalty should be paid to the Government.

An on-site royalty audit was not made at this time because the administrative cost to the Government would be excessive in relation to the amount of possible additional royalty which might be disclosed.

Check Sheet of Examining Engineer

Operator's Name T. B. Vance

Address Plumtree, North Carolina

Shuffle Vance Mine

Exploration Contract No. Idm-E835 Docket No. DMEA-3813

	Check One Yes	No
1. (a) Does the Operator stockpile ore subject to royalty repayment?		X
(b) If so, is segregation and identification procedure adequate?		
2. (a) Does Operator commingle production subject to DMEA royalties with exempt production?		X
(b) If so, do you consider the allocation of the commingled production equitable?		
3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?	X	
(b) If so, are adequate records maintained on such material to protect the Government's interest?	X	
4. Do you consider the assay controls in effect are adequate?	X	
5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	X	
6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?		X
7. Does the Operator buy from or sell to other Operators?		X

8. Comment on any item 2 (b) to 6 if answer is No.

3.(a) Operator stockpiles mica sc rap until ~~88~~ a sufficient amount is obtained to make a sale.

6. Operator never reports his production or pays his royalty until called upon to do so by the Examining Engineer.

Date 2-19-58

Wm. A. Beckn W A Beck Mining Engineer

82448

DOCKET COPY
Surname:

Hopkins
Houk
Butin
Dunger
Appd. Sol. Off.
Chambers
Gehan
Nelson
Selfridge
Johnson

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

CERTIFICATION BY THE UNITED STATES OF AMERICA OF A DISCOVERY OR DEVELOPMENT UNDER AN EXPLORATION PROJECT CONTRACT

To: T. B. Vance

Plumtree, North Carolina

Pursuant to the provisions of Exploration Project Contract No. Idm-E835, dated June 30, 1955, Docket No. DMEA-3813, hereinafter called the "contract", between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows: The project work consisting of drifting and raising exposed strategic mica concentration in an unzoned, lenticular pegmatite that is conformable to the enclosing biotite gneiss. The discovery furnished sufficient data to enable the calculation of indicated and inferred reserves of strategic mica.

THE UNITED STATES OF AMERICA

By C O Mitteudorf
Administrator, Defense Minerals Exploration Administration

Dated MAY 9 1956

Certification File

Field Team, Region V
Finance Office
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File

Mr. Clarence A. Fredell, EPS, GSA

Operating Committee
Mr. Johnson
Mr. Chambers

JHopkins:ms 4/27/56
Copy to: Docket

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/20	Johnson	110
		220

Mr. T. B. Vance

Plumtree, North Carolina

Re: DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract Idm-E835

Dear Mr. Vance:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated May 9, 1956, all minerals mined or produced from June 30, 1955, to June 30, 1965, were subject to the Government's royalty as set forth in said contract.

As the period during which production was subject to royaltyhas now expired, the Government according to its present records 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 contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

(signed) FRANK E. JOHNSON (glc)

Frank E. Johnson
Chief, Office of
Minerals Exploration

MMerrithew/mm (10/20/65)
cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
Branch of Budget & Finance, Rm. 5408
C. Curtin
120M
R. A. Laurence, Knoxville, Tenn. w/cy of incoming 63

23263

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

T. B. Vance

Plumtree, North Carolina

pertaining to Exploration Project Contract No. Idm-E835, Docket No. DMEA-3813, including Amendment No. 1, for the months of July 1955, to January 1956, inclusive, covering a project for the exploration of mica on property, known as Shuffle Vance 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		$5,310.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$5,310.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Three thousand nine hundred eighty-two and 50/100 Dollars

$3,982.50

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.

C. E. Fisher

C. E. Fisher, Auditor

February 8, 1956

Docket Copy

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DEC 22 1955

UNITED STATES DEPARTMENT OF COMMERCE

AMENDMENT No. 1

DMEA-3013, Idm-2035 (Idca) SHUFFLE VALLEY MINE

Contract Idm-2035, DMEA-3013, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and T. B. Vance of Fluntree, North Carolina, dated June 30, 1955, is amended as follows:

1. Article 3 is amended to read...."and on or before February 29, 1956 shall complete the work" instead of December 15, 1955, as originally stated in contract.

Dated: December 13, 1955

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the cost which the Government may be obligated to pay, under the provisions of Article 5 of the contract form.

T. B. Vance, Operator

T B Vance

UNITED STATES OF AMERICA

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

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Docket copy

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MF-200A
(Revised June 1954)

Docket No. DMEA -3813

Commodity Mica

Contract No. Idm-E 835

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

It is agreed this 30th day of June, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] T. B. Vance,

whose mailing address is Plumtree, North Carolina,

hereinafter called the "Operator," as follows:

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

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

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

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] owner of [5] the entire interest in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] _____, [7] _____ recorded in Book _____, page _____, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: None

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

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

16—70618-1

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

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of mica. The work to be performed is described in Exhibit "A." The Operator on or before AUG 22 1955 shall commence the work, and on or before December 15, 1955 (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

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

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

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $5,310.00 The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $3,982.50: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

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

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

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

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

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

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

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

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

T. B. VANCE
(Operator)

By T. B. Vance

THE UNITED STATES OF AMERICA

By C. Mittendorf
Administrator, Defense Minerals Exploration Administration

Contrir

"Appd. Sol. Off."

Hoch

Chamberlain

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

[CORPORATE SEAL]

Selfridge

Johnson

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

EXPLORATION PROJECT CONTRACT
T. B. VANCE
DOCKET NO. DMEA-3813

ANNEX I

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

Beginning at a White Oak Tree on Corner of Houston & Vance line on west side of Doublehead Ridge and running south 800 feet to the mouth of Houston & Guy Tunnel, thence east 750 feet to an Ash Tree, thence north 1500 feet to a Sugar Tree in Avery & Vance line, thence west 850 feet to a Poplar Tree, thence south 600 feet to the beginning, the said Shuffle Vance Mine Portal being nearly centrally located in the above described plot of land.

EXPLORATION PROJECT CONTRACT
T. B. VANCE
DOCKET NO. DMEA-3813

EXHIBIT "A"

Description of the Work

The location of the exploration work is shown, in part, on the map entitled "Sketch of Shuffle Vance Mine, Avery Co., N. C. DMEA-3813 June 1, 1955," attached hereto and made a part hereof. The work consists of the following:

1. With a D-4 or equivalent bulldozer, clear muck from portal of adit.

2. Drive 150 feet of drift and/or raise having minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

All work shall be timbered as necessary.

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

Fixed Unit Costs

(The unit costs include all costs whatsoever necessary to complete the work.)

Bulldozing - clearing muck from portal of adit, 6 hours @ $10/hr.	$ 60.00	
150 feet of drifts and/or raises @ $35/ft.	5,250.00	
Estimated Total Cost of Project		$5,310.00
Government Participation @ 75%		$3,982.50

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

May 16, 1955

Memorandum

To: Operating Committee - DMEA- Washington

From: Acting Executive Officer, DMEA - Region 5, Knoxville

Subject: Application: T. B. Vance (Avery County) Plumtree, N. C.

Transmitted are three copies of the subject application. One copy has been retained for our files.

Wm. A. Beck

Wm. A. Beck

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
MAY 18 1955

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

C.I. *Not to be filled in by applicant*

Docket No. 3813
Metal or Mineral Mica
Date Received 5-18-55
Estimated Cost no est.
Participation (Government %) 25

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: T. B. Vance
Plumtree (Avery County) 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.

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 Is to be on property owned by the above named T.B. Vance and on a tract of land know as the L. S. Vance Field. the exploration project to cover a plot of land centrally located on Ridge in said Field and comprising a plot of land approximately Two Acres set off by stakes and more fully described by attached Sketch

(*b*) State any mine name by which the property is known. ~~Shuffle Vance Mine.~~ Shuffle Vance Mine

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

(*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 None

(*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, [illegible] etc. [illegible] your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

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

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

RECEIVED
MAY 16 1955
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

RECEIVED
MAY 11 1955
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

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

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

(*c*) The work will start within 10 days and be completed within Six months from the date of an exploration project contract.

See attached sheet for other answers.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated May 10, 1955, 195

T B Vance
(Applicant)

By

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

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

T. B. VANCE

PLUMTREE, N. C.

SUPPLIMENT ANSWERS TO FM 103 DMEA Order 1.

RECEIVED
MAY 18 1955

3- (a) All land owned by applicant and described in attached sketch.
(b) Shuffle Vance Mine
(c) Owner
(d) -
(e) No encumberances

4- (a) This project has been prospected by applicant who has run an open cut toward an old shaft made by hand thirty or forty years ago. It is reported that several hundreds of pounds of mica was taken from this shaft. In making the cut the applicant uncovered pegmatite rich enough to warrent further exploration. This proposed project is situated in a rich pegmatite section. The mine is accessible by two roads- by Jeep road the year around and by truck road for eight (8) or more months during the year.

(b) This mine was worked by shaft made by hand without machinery but no record of production is available as work was done several years ago although large block mica was produced at that time. It is a good flat grade of Ruby Mica.

(c) This mine is situated on top of Ridge in which there is plenty of pegmatite exposed. It lays under a top slate but no side or bottom slate has been uncovered so far. The mine is in a a rich mica section and has the possibility of being developed into a a big mica production. There are no available geologic or engineering reports of this mine although there might be Government surveys of the section in which the mine is located.

(d) a dirt road from U.S. Highway 19 E just south of Plumtree, N.C. and goes west up the mountain about one mile. This road is accessible year round by Jeep, two other roads leading to field accessible by truck eight or more months out of the year. It is about a fifteen minute drive in Jeep from Plumtree, N. C. Plumtree is twelve miles north of Spruce Pine, N. C. nearest shipping, marketing and supply point.

(e) Plenty of expierenced mica miners available for man power. Materials, supplies, and equipment available in any amount needed at Spruce Pine, N. C. Electric Power line From Henson Creek Road within quarter of mile of mine.

5- (a) Wish to explore for MICA.

(b) Will need to hire Bulldozer to remove loose dirt and rock and to lower cut to bottom slate, then to cut tunnel into pegmatite to explore for mica.

(c) Could start witnin ten days and finish exploration project within six months or less.

(d) Applicant has had several years expierence in mica mining and will personally supervise all exploration operations.

6- (a) Would like for Field Representatives of DMEA to make estimate and determi operation Cost. See attached sheet on approximate cost of proposed project.

7- (a) Yes.

(b) Money- applicant also has all equipment necessary for operating mine and has Jeep for transportation to and from mine.

May 10, 1955-

T. B. VANCE, PLUMTREE, N. C.

T B Vance

T. B. Vance
Plumtree, N. C.

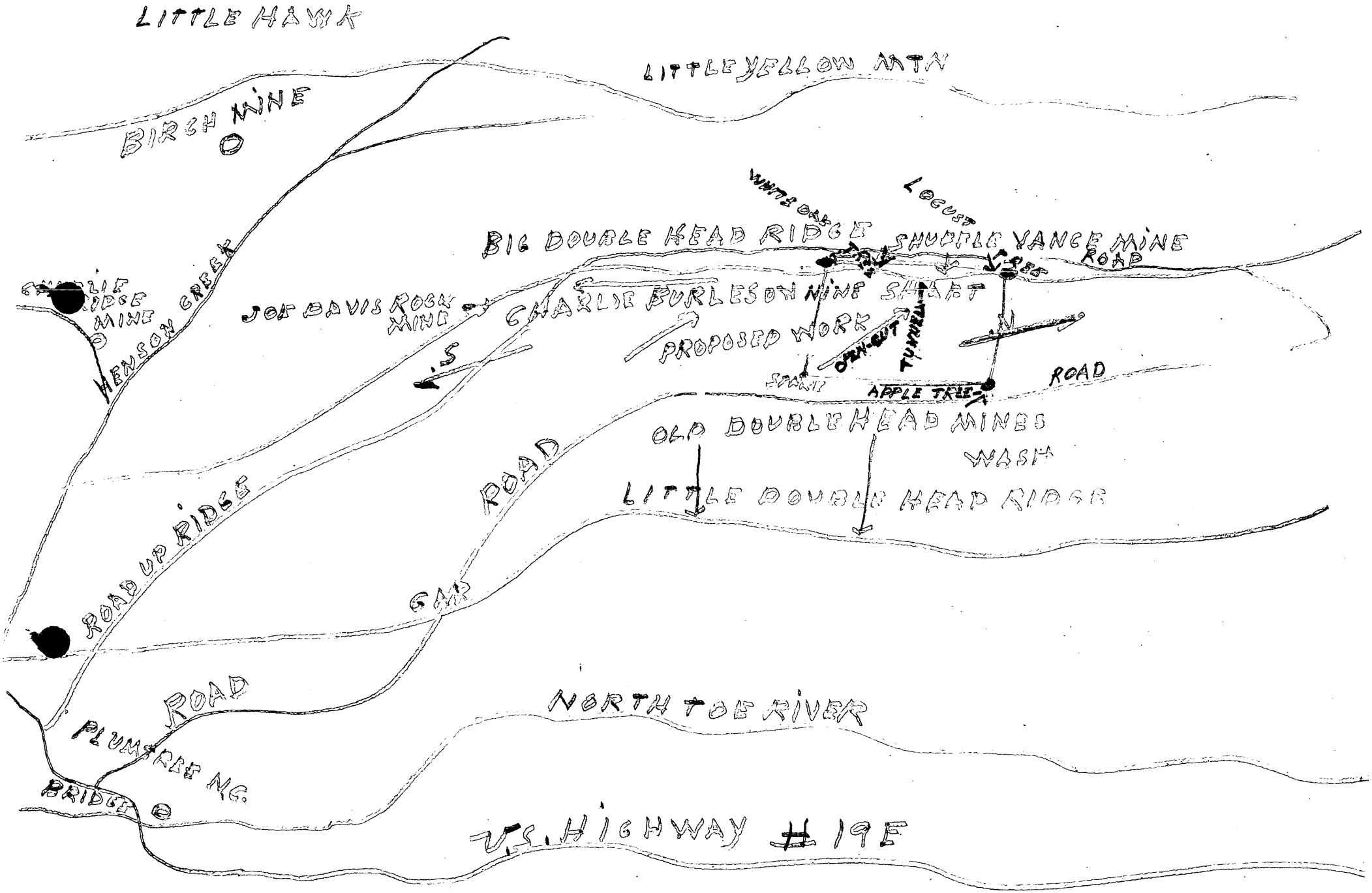
Re: DMEA Application
Shuffle Vance Mine (Mica)
Additional information to FM 103 DMEA Order 1.

Defense Minerals Administration
Region
MAY 1 8 1955

3 (a) Shuffle Vance Mine centerally located in plot as follows:

Begining at a Big Locust Tree (only Locust there) by side of road on top of Big Doublehead Ridge immediately above Old Shuffle Vance Shafts and running south 250 feet to White Oak Tree; thece, east 210 feet to a stake; thence, north 240 feet to an Apple Tree;,thence, west 225 feet to the begining. 218 x 245

6 (a) Would need $600.00 for Bulldozing surface and part of cut, $1400.00 to finish proposed cut and $2000.00 for Tunnel and exploration. Total estimated cost $4000.00.



SKETCH SHUFFLE YANCE MINE

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

Project Summary Report

April 30, 1956

By: James Hopkins

1. Docket No. DMEA-3813-mica - contract Idm-E 835
Shuffle Vance Mine
Avery County, North Carolina

Application: dated May 10, 1955
Operator: T. B. Vance
Plumtree, North Carolina
Operator's Property Rights:
owner of the entire interest

2. Contract: dated June 30, 1955
Work authorized:

1. Cleaning muck from portal of adit 6 hours @ $10.00/hr.	$ 60.00
2. Drifting and/or raising 150 feet @ $35.00/ft.	5,250.00
Estimated total cost of project	$5,310.00

Amendments: No. 1 dated December 13, 1955 changes completion date from December 15, 1955 to February 29, 1956.

Work completed:

Bulldozing 6 hrs. @ $10.00/hr.	$ 60.00
Drifting 112.5 feet @ $35.00/ft.	3937.50
Raising 37.5 feet @ $35.00/ft.	1312.50
Total Cost of the Project	$5310.00

Work under the contract began July 6, 1955 and was completed January 7, 1956.
About 2,500 pounds of "mine-run" block mica having an estimated value of $1,700.00 was recovered during the project work. Royalties have not yet been paid because the Spruce Pine Depot has not paid the Operator.
Payment was expected in April, 1956.

3. Audit:

Report of Review dated February 8, 1956	
Total Cost as billed by Operator	$5,310.00
Exceptions	None
Total accepted cost	$5,310.00
Government participation @ 75%	$3,982.50

4. Certification of Discovery issued May, 1956

Ore Reserves:

A conservative estimate of indicated and inferred reserves of mica which may sheet at 5% and be sold at an average price of $14.00 per pound would be as follows:

Indicated -	Mine-run block	17,500 pounds
	@ 5% (sheet)	875 pounds
	@ $14.00 per lb.	$12,250.00
Inferred -	Mine-run block	72,000 pounds
	@ 5% (sheet)	3,600 pounds
	@ $14.00 per lb.	$50,400.00
Totals -	Mine-run block	89,500 pounds
	Sheet	4,475 pounds
	Value @ $14.00 per lb.	$62,650.00

5. Comments:

The Operator conducted the project in a satisfactory workmanlike manner, and followed the directions of the field examiners closely.

No particular engineering work was required.

The project was very efficiently operated.

Geological Premise upon which work was based:

The project was established to explore extensions of a pegmatite on which three mica shoots had been previously mined. Because of previous production and the persistence of the pegmatite to the southwest of old workings, it was logically premised that other concentrations of mica would be discovered. This was found to be true.

Geological Criteria developed during the project:

Two overlapping pegmatites were encountered in the drifts. These are conformable to the country rock. Country rock enclosing the pegmatites is biotite gneiss. Material encountered was mostly feldspathic in first 75 feet of drift and raise but in last 75 feet of drift more quartz and considerably more muscovite were found.

No zoning is apparent

Some "graphic-granite" textures exist

Pegmatites are lenticular in shape and behavior

Future Possibilities:

Possibilities of existence of additional shoots are very good, but since a significant discovery has been made, no further exploration work is warranted until the present reserves are exhausted.

Recommendation:

The Field Team recommends that a certification of discovery be issued. The Nonmetallic Minerals Division concurs in the recommendation. The Commodity Divisions of Geological Survey and Bureau of Mines also concur in the recommendation.

James Hopkins
Nonmetallic Minerals Division

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

September 21, 1965

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. T. B. Vance

Plumtree, North Carolina

Re: DMBA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, N. C.
Contract Idm-2835

Dear Mr. Vance:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

While not required, record showing that it sent worthless information for signature. GCC

close

OFFICIAL
COPY
O. M. E.
RECEIVED
SEP 27 1965
INITIALS | CODE
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MME Form 63
Revised 7-65

REQUEST FOR INFORMATION ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

From July 1964 to June 30, 1965

1. ~~XXXX~~ , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

From July 1964 to June 30, 1965

2. ~~XXXX~~ , has there been any production from the land subject to the contract? Yes ☐ No ☒

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value
_____		
_____	_____	_____

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	_____ Tons	_____	_____
Concentrates	_____ Tons	_____	_____
Other	_____ Tons	_____	_____

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

3813

INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver *ONLY* to addressee

☐ Show address where delivered

(Additional charges required for these services)

RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

T. B. Vance

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

DATE DELIVERED	SHOW WHERE DELIVERED *(only if requested)*
9-23-65	—

C55—16—71548-5—F GPO

TO AVOID
300

POSTMARK OF
DELIVERING OFFICE

PLUMTREE, N.C.
SEP
23
A.M.
1965
28554

INSTRUCTIONS: Fill in items below and complete instructions on other side, if applicable. Moisten gummed ends, attach and hold firmly to back of article. Print on front of article RETURN RECEIPT REQUESTED.

RETURN TO

REGISTERED NO. 500068	NAME OF SENDER U. S. GEOLOGICAL SURVEY, OME
CERTIFIED NO.	STREET AND NO. OR P. O. BOX INTERIOR BLDG., RM. 4450
INSURED NO.	CITY, STATE, AND ZIP CODE WASHINGTON, D. C.

POD Form 3811 Sep. 1963

71548-6—T

DMEA 3813

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

July 14, 1964

Re: DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, N. C.
Contract Idm-E835

Mr. T. B. Vance

Plumtree, North Carolina

Dear Sir:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

George C. Selfridge

George C. Selfridge, Chief
Division of Exploration Operations

OFFICIAL FILE COPY
O. M. E
RECEIVED JUL 22 1964

DATE	INITIALS	CODE
7/22		800
		100
7/22	JE	~~110~~
		~~120~~
7/23		~~[illegible]~~

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since September 1963 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since September 1963 , has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name T B Vance Title Shuffle Vance Mine

Address Plum tree N C Date 7-20-64

4511

MME Form 7
(2/63)

NOV 2 9 1963

OFFICIAL FILE COPY

Date	Surname	Code
11/29	[illegible]	120
11/29	[illegible]	220

Memorandum

To: Chief, Fiscal Section, Division of Administrative Services, Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract Idm-E835

Enclosed for your files is the original of a Report of Royalty Review, dated November 12, 1963, on the subject contract.

George C. Selfridge (gla)

Enclosure

GCSelfridge/gla (11-29-63)
cc to: Director's Reading File
CA&A Division
Docket
G.C.Selfridge
R. A. Laurence, USGS, Reg. IV, w/cy of Report of Royalty Review dtd 11/12/63 & Orig. cy of memo dtd 11/26/63 to Chief, Div. of Field Operations from CA&A Division.
Avery Reed, USBM, Reg. IV, w/cy of each item sent to Mr. Laurence

23263

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/26	gB	220

NOV 26 1963

Memorandum

To: Chief, Division of Field Operations

From: E. D. Talbert, Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract Idm-E835

Enclosed are the original and two copies of a Report of Royalty Review covering the subject Region IV contract. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Division of Management Operations, Office of the Secretary; and

(b) Two copies to Region IV files.

This report is for OME record purposes only; therefore, no copy has been provided for the Operator.

As evidence of your concurrence, a copy of your memorandum transmitting the original of the report to the Department's Fiscal Section should be furnished this Division. If for any reason you do not concur, the original and both copies should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 11-26-63

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section

43683

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

September 11, 1963

Re: DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, N. C.
Contract Idm-E835

Mr. T. B. Vance

Plumtree, North Carolina

Dear Sir:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

F M Murphy

F. M. Murphy, Acting Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 23 1963
DATE
9/29
800
100
110
~~Murphy 500~~
220

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since December 1, 1962 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since December 1, 1962 , has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name T B Vance Title

Address Plumtree N. C. Date

4511

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/29	Murphy	500
11/29	Felbert	800
		~~200~~
	Selfridge	120
11/29	Johnson	110
11-29	Stromberg	100
		220

NOV 29 1962

Mr. T. B. Vance

Plumtree, North Carolina

Re: DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract Idm-E835

Dear Mr. Vance:

Thank you for the information submitted on our Form 63, Request for Information on Certified Project and Project under Royalty Agreement.

Since you inadvertently failed to sign these forms, it will be appreciated if you will sign and return them to us promptly.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Branch of Minerals

Enclosure

MMerrithew/mm
11-29-62
cc: Director's Reading
Docket
Code 500

43683

#1-INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver *ONLY* to addressee

☐ Show address where delivered

(Additional charges required for these services)

RETURN RECEIPT

Received the numbered article described on other side.

3

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

T B Vance

381

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

1

DATE DELIVERED	ADDRESS WHERE DELIVERED *(only if requested in item #1)*
11-26-62	

C55—16—71548-4 GPO

POST OFFICE DEPARTMENT
OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

POSTMARK OF DELIVERING OFFICE

NOV 26
1C 4PM
1962

INSTRUCTIONS: Fill in items below and complete #1 on other side, when applicable. Moisten gummed ends and attach to back of article. Print on front of article RETURN RECEIPT REQUESTED.

RETURN TO

REGISTERED NO.	NAME OF SENDER
598456	DEPT OF INTR (MIN EXPL)
CERTIFIED NO.	STREET AND NO. OR P. O. BOX
	18 th AND C ST.N.W.
INSURED NO.	CITY, ZONE AND STATE
	WASHINGTON 25 D.C.

POD Form 3811 Jan. 1958

C55—16—71548·4

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 28 1962

DATE	INITIALS	CODE
11/28	[illegible]	800
~~11/29~~	~~[illegible]~~	~~500~~
		220

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

November 21, 1962

Re: DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, N. C.
Contract Idm-E835

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. T. B. Vance

Plumtree, North Carolina

Dear Mr. Vance:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 28 1962

DATE		
12/2		800
	Ck balance	100
12/3		110
12/5		500
		220

MME Form 63
Revised 3-62

DMEA-3813
Idm-E835

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since June 15, 1960, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since June 15, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name T B Vance Title

Address Plumtree N.C. Date 12-1-62

4511

OME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Remarks	Code
6/26		800
		500
		120
		110
		100
		220

June 26, 1962

Memorandum

To: The File

From: C. E. Fisher, OME Auditor

Subject: Check of Spruce Pine Mica Purchase Depot Records, June 18 - 22, 1962

During the period of June 18 to 22, 1962, I examined the purchase records of the G.S.A. Mica Purchase Depot at Spruce Pine, North Carolina, for the purpose of ascertaining any unreported production under DMEA exploration project contracts. My examination did not disclose any unreported production subject to royalty under the following contracts:

Contract No.	Docket No.	Operator	Mine Names
T. 684	3244	Alex Teague	Old Denson (Denison)
687	3256	Glenn C. Rathburn	Fox, Busby Creek
692	3260	Sam L. Phillips	W. A. McKinney, McKinney No. 1
694	3199	W. B. Chrisawn	R. D. (W. H.) Westall
712	3410	Rock Mining Company	Rock
737	3469	A. Ward	Elmore
757	3559	T. R. Phillips, et al.	Sugar Dave, Ralph
762	3577	Keller Mining Co.	Hester
805	3710	Alvin White, et al.	Howard
830	3265	Mines and Mining, Inc.	Farlow Gap
835	3813	T. B. Vance	Shuffle Vance, Red, Charlie Burleson
840	3799	J. R. Beam	Bennett, Mica Field
865	3860	Ed Boone	Goog Rock
882	3924	J. R. Beam & John Phillips	Little Ray, Pat
891	3943	Buchanan Minerals, Inc.	Buchanan, Dream
900	3942	Sam G. Smith	Joe Hill, Sam Smith
962	4147	Sam L. Phillips	Old Buchanan
1005	4239	John Phillips	Bobby (Robby)
1008	4332	John Phillips	John (John's) Brown
1037	4268	Murphy Mining Co.	Murphy, Murphy Rock
1041	4449	Clifton D. Buchanan	Stone, Phillips
[illegible]	[illegible]	Sam L. Phillips	Black Mountain

cc: Docket
Director's Reading File
CA & A Division
Region IV Files (2)

CEFisher/ama
6-26-62

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 15 1960

DATE	INITIALS	CODE
11-15	gad	VVO
11/15	[illegible]	800
"	[illegible]	500
		VVO

NOV 15 1960

Mr. T. B. Vance

Plumtree, North Carolina

Re: Docket DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract Idm-2835

Dear Mr. Vance:

Enclosed for your information and records is a copy of a Report of Royalty Review prepared by the Office of Minerals Exploration which has succeeded the Defense Minerals Exploration Administration.

Sincerely yours,

George C. Selfridge

George C. Selfridge
Chief, Division of
Field Operations

Enclosure

LGHouk:gad 11/14/60
Copy to: Wash. Off. (2)
Region IV (2)
Mr. Houk

OFFICIAL FILE COPY O. M. E RECEIVED NOV 15 1960		
DATE	INITIALS	CODE
11-15	gad	VVO
11/15	[illegible]	800
"	[illegible]	500
		VVO

November 14, 1960

Memorandum

To: Chief, Fiscal Section, Division of Administrative Services, Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract Idm-R835

Attached for your files is the original of a Report of Royalty Review on the subject contract.

George C. Selfridge

George C. Selfridge
Chief, Division of Field Operations

Attachment

LGHouk:gad 11/14/60
Copy to: Region IV (2)
Wash. Off. (2)
Mr. Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR

Memorandum

To: Chief, Division of Field Operations

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

Subject: Reports of Royalty Review

Attached are the original and two copies of each of the following Reports of Royalty Review:

Idm-8636	DMEA-3154	Byrd Mica Mineral
Idm-8765	DMEA-3522	Calumet & Hecla, Inc.
Idm-8835	DMEA-3813	T. B. Vance

If you concur in the facts stated in these reports distribution should be made as follows:

(a) Original of each report to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.
(b) One copy to the Operator; and
(c) One copy for the Region IV file.

As evidence of your concurrence, a copy of your letter transmitting the Operator's copy should be furnished to this Division. If for any reason you do not concur, the original and both copies of the report should be returned to this Division with your comments.

Attachments

[illegible] semi-annual report on inactive projects, North Carolina

[illegible] No.	Idnt	Operator	Date of Inspection
[illegible]452	734	Boone & Jarrett (Marsh Putnam)	June 13 thru 15, '60
[illegible]469	737	A. Ward (Elmore Mine)	
[illegible]	757	C. R. Phillips (Sugar Dave Mine)	
[illegible]577	762	Keller Mining Co. (Royster Mine)	
[illegible]	814	Roy Grindstaff (Conley Mine)	
[illegible]	835	T. B. Vance (Shuffle Vance Mine)	
[illegible]	865	Ed Boone (Goog Rock Mine)	
[illegible]	882	J. R. [illegible]	
[illegible]	900	[illegible] Smith (Doe Hill Mine) [illegible]	
[illegible]	[illegible]	Sam Phillips (Old [illegible])	
[illegible]	1005	John Phillips ([illegible])	
[illegible]	[illegible]	[illegible]	

[illegible]

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 23 1959

DATE	INITIALS	CODE
11-23	yad	
"	ZY	

DMEA SEMI-ANNUAL REPORT ON CERTIFIED [illegible]

Projects Inactive since last inspection

Reporting Period: January 1, 1959 to July 1, 1959

DMEA No.	Ids-E	Operator	Date of Inspection
act 2886	547	Duncan Mining Co. (Connolly Mine)	Nov. 4, 1959
act 2921	548	Taylor, Greene & Greene (Cow Camp Mine)	Nov. 4, 1959
act 3216	665	Sparks & Pareley (Hector Mine)	Nov. 12, 1959
act 3260	692	John Phillips, et al (McKinney Mine)	Nov. 4, 1959
act 3282	675	J. R. Beam & H. Boone (Ingram Mine)	Nov. 5, 1959
act 3843	835	T. H. Vance (Shuffle Vance Mine)	Nov. 5, 1959
act 3860	865	Ed Boone (Goog Rock Mine)	Nov. 12, 1959
act 3942	900	Sam Smith (Doe Hill Mine)	Nov. 3, 1959
act 4239	1005	John Phillips (Roby Mine)	November 3, 1959
act [illegible]	1008	John Phillips (John Prospect)	November 5, 1959
act 4449	1042	Clifton D. Buchanan (Bonne Prospect)	Nov. 5, 1959

* During an inspection of this property on November 12, it was definitely established that all production by the present lessee, Mr. Fred Young, is not coming from any part of the Contract area.

** There has been no production from this property since the last inspection. The Operator was again requested to pay up the royalties due on past production. He agreed to do this but to-date he has not complied.

V. J. Lynch, Mining Engineer
Bureau of Mines

44 3/4 T. mine run

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 18 1959

DATE	INITIALS	CODE
2-18	C	220
2/18	JHL	110
2/18	E.E.F	800
1-29-59.	Wah	600

DMEA EXPLORATION PROJECT

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

DMEA-3813

Reporting Period: 7-1-58 to 1-1-59. Date Examined: 1-29-59.

Operator: T. B. Vance, Jr., Plumtree, N. C.

Mine Name: Shuffle Vance (Charlie Burleson) County: Avery

State: North Carolina. Docket No. DMEA-3813, Idm-E835.

Commodity: Mica. Date of Contract: June 30, 1955.

Date Certified: May 9, 1956. Expiration of Royalty Payments: 6-30-65.

Total Amount of Contract: $5,310.00. Total Expended: $5,310.00.

Amount of Government Participation at 75%.....$3,982.50

Royalty Paid this Period: None. Previously Paid: $204.58.

Total Royalty Paid to date: $204.58.

Percent Gov't Participation Repaid....5.14%.

Royalty Due on Production to date--$94.57

Royalty Remarks: Mrs. T. B. Vance, Jr., told the writer they were not mining on the property at present. When asked about payment of royalty she stated they were broke, had lost everything they had in mica mining even had to give up their store because they could get no credit. She did not know when they could pay anything on the royalty due.

Original Estimate of DMEA Reserves (Field Team Final Report)

Indicated ---17,500 pounds "mine-run" block mica.
Inferred ----72,000 pounds "mine-run" block mica.

Production DMEA Ore(this period)	Type	Pounds	Amount
	Sheet	49.75	$619.06
Production DMEA ORE (Previous)	Sheet	283.00	4,022.07
	Hand cobbed	5,925.00	1,311.43
	Scrap	2,030.00	30.45
		8,238.00	$ 5,363.95

Production DMEA Ore (to date)	Type	Pounds	Amount
	Sheet	332.75	$4,641.13
	Hand cobbed	5,925.00	1,311.43
	Scrap	2,030.00	30.45
	Total.....	8,287.75	5,983.01

Remarks: The mine was operated intermittently during this period. Three sales totaling 23.94 pounds of sheet mica for which $360.94 was received were made to the Government Buying Depot and a sale of 25 pounds 13 ounces for which $258.12 was received was made to M. E. Burleson in the name of Mountain Mining Company of Spruce Pine, North Carolina.

Wm. A. Beck, Mining Engineer
Bureau of Mines - OME

February 16, 1959

z

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/3	Alley	800
12/3	Fisher	800
12/3	gad	220

DEC 3 1959

Memorandum

To: Executive Officer, OME Field Team, Region V

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: Docket No. DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-8835

Attached for deposit in the usual manner is a personal check from Mr. T. B. Vance in the amount of $94.57 representing royalty due on the above cited project. This collection resulted from the Acting Director's letter to Mr. Vance dated November 23, 1959, two copies of which were furnished you.

Attachment

AMAlley/ama
December 3, 1959

Copy to: Docket
Director's Reading File
CA & A Division
Mrs. Helen R. Miller

43683

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

NOV 23 1959

Mr. T. B. Vance

Plumtree, North Carolina

CERTIFIED MAIL

Re: Docket No. DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Dear Mr. Vance:

The records of the Office of Minerals Exploration indicate that you are indebted to the U. S. Government in the amount of $94.57 for royalty due on production and sale of mica from the Shuffle Vance Mine during the past two years. This obligation arises under Article 7 of the above referenced contract. The efforts of our field representatives to collect this past due royalty have proven unsuccessful and the matter has been referred to this office for appropriate action.

Demand is therefore made for payment of the amount of $94.57 within 60 days. If you are not in position to pay this amount within such time, a payment on account and assurance of regular periodic payments to liquidate the balance will be considered by this office.

An early reply to this letter is requested.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 2 1959

DATE	INITIALS	CODE
12-2	gad	220
		800

Rec'd. Check $94 v-7 enclosed.

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/20	Fisher	800
11/20	Talbut	800
11/23	WF	500
	[illegible]	500
11/23	Selfridge	120
		110
11-23	gad	220
		225

NOV 23 1959

Mr. T. B. Vance

Plumtree, North Carolina

CERTIFIED MAIL

Re: Docket No. DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Dear Mr. Vance:

The records of the Office of Minerals Exploration indicate that you are indebted to the U. S. Government in the amount of $94.57 for royalty due on production and sale of mica from the Shuffle Vance Mine during the past two years. This obligation arises under Article 7 of the above referenced contract. The efforts of our field representatives to collect this past due royalty have proven unsuccessful and the matter has been referred to this office for appropriate action.

Demand is therefore made for payment of the amount of $94.57 within 60 days. If you are not in position to pay this amount within such time, a payment on account and assurance of regular periodic payments to liquidate the balance will be considered by this office.

An early reply to this letter is requested.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

CEFisher/ama
November 20, 1959

Copy to: Docket
Director's Reading File
CA & A Division
OME Field Team, Region V (2)

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
ROOM 11 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

cy to Audit

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 12 1959

DATE	INITIALS	CODE
11-12	gad	220
~~11-12~~	~~[illegible]~~	~~500~~
		225

November 10, 1959

Memorandum

To: Operating Committee, OME - Washington

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

Subject: DMEA-3813, Idm-E835 (mica) T. B. Vance, Operator
Shuffle Vance Mine, Avery County, North Carolina
Your Memo of November 6, 1959

No progress has been made in collecting the $94.57 which is overdue. When Mr. Lynch was in Spruce Pine recently, he asked Mrs. Vance about this and was told that as a result of financial reverses, the Vances had lost everything they had and simply were unable to pay anything. It is doubtful if the situation will improve in the near future.

A letter from the Washington office might bring results but it is not likely.

Robert A. Laurence
Robert A. Laurence
Executive Officer, OME, Reg.V

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

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/5	Fisher	800
11/5	Talbot	800
	Armand	500
11/6	[illegible]	130
"	Johnson	110
11/10	RCie)	220
	[illegible]	500
11/10	[illegible]	225

NOV 6 1959

Memorandum

To: Executive Officer, OME Field Team, Region V

From: Chairman, Operating Committee

Subject: Docket No. DMEA-3813 (Mica)
T. E. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

The files of the Washington office include a copy of Mr. Lynch's letter dated February 16, 1959, requesting the operator to pay past due royalty under the subject contract amounting to $94.57. We have no record of any subsequent collection efforts.

Please make further attempts to collect this amount, together with any additional royalty which may be due on subsequent production and sales from the property. If your collection efforts should prove unsuccessful, the matter should be referred to the Washington office for appropriate action as provided by the Special Notice in Operating Committee Minutes No. 393, dated July 30, 1954, and reiterated by the Special Notice in Operating Committee Minutes No. 883, dated October 18, 1957.

/s/ George C. Selfridge

APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Harold Kirkemo
Member, Geological Survey

CEFisher/ama
November 5, 1959

Copy to: Docket
Director's Reading File
Operating Committee
CA & A Division
Mr. M. L. Skow, USBM
Mr. Harold Kirkemo, USGS

43683

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 18 1959

DATE	INITIALS	CODE
2-18	C	220
		600

February 16, 1959

Mr. T. B. Vance, Jr.

Plumtree, N. C.

Re: DMEA-3813, Idm-E835-mica.
Shuffle Vance Mine
Avery County, N.C.

Dear Mr. Vance:

Since this office wrote you on December 5, 1958 about royalty due the Government on sales of mica from production on the property covered by the subject contract, there has come to our attention that two additional sales not listed in that letter have been made. These sales are listed below:

Date	Lot	Pounds	Value
11-6-58	335	9.25	$132.89
August 1958, to M. E. Burleson (25 lbs, 13 oz.)			258.12
		Total...	$391.01

This brings the total value of sales of which we have record on which no royalty has been paid to $1,891.32. Royalty due the Government at 5 percent on this amount is $94.57. Please send this office your check in the above amount plus 5 percent of any punch or scrap sold.

Very truly yours,

V. J. Lynch, Acting
Executive Officer, OME
Region V

WAB
~~Uph/xmom~~-2
Lynch
Files

Operating Committee

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 8 1958

DATE	INITIALS	CODE
12/8	C	220
12/8	Hub	600

December 5, 1958

Mr. T. B. Vance, Jr.

Plumtree, N. C.

Re: DMEA-3813, Idn-E835-mica.
Shuffle Vance Mine
Avery County, N.C.

Dear Mr. Vance:

When Mr. Wm. A. Beck conferred with you on July 31, 1958, you told him that upon receipt of the final settlement on a sale of mica you made July 1 you would add more to it and pay the royalty owed the Government on production covered by the subject contract. You have received that final settlement and also made a sale on September 2, 1958 for which you received a total of $144.05. To this date we have not received the royalty promised. Total royalty due on production to date amounts to $75.02. For your information there is listed below the sales for which we have record and on which royalty has not been paid:

Date	Lot	Pounds	Value
11-12-57	451	24.20	$411.88
11-19-57	472	11.19	128.45
12-17-57	567	18.07	373.77
3-25-58	826	11.37	183.05
6-10-58	1044	10.56	144.66
7-1-58	4	7.82	84.00
9-2-58	162	6.87	144.05

Total sheet.... $1,469.86

Scrap mica, 2,030 pounds 30.45

Value of sales $1,500.31
Royalty due Government at 5%... 75.02

Please send me your check in the above amount, plus 5 percent of the value of any mica sold that is not listed above. If payment is not received within 30 days from the date of this letter, it will be necessary to again refer your delinquency to our Washington office for appropriate action.

Sincerely yours,
EXECUTIVE OFFICER
OME FIELD TEAM

TMEA - 3813
T. B. Vance

DMEA
RECEIVED AUG 14 1958

DATE	INITIALS	COST
8/14	H.g.	225
14	Cobb	100
2	[illegible]	110
8/15	C.E.P.	800
8/16	LGH.	600

DMEA EXPLORATION PROJECT

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting Period: March 26, 1958 to July 1, 1958.

Date of Examination: July 31, 1958.

Operator: T. B. Vance, Jr. Plumtree, North Carolina

DMEA No. 3813.; Contract No. Idm-E835. Commodity: Mica

Mine Name: Shuffle Vance. County: Avery. State: North Carolina.

Date of Contract: June 30, 1955. Date Certified: May 9, 1956

Expiration date of royalty Payments: June 30, 1965.

Total Amount of Contract: $5,310.00. Total Expended: $5,310.00

Government Participation at 75%....$3,982.50.

Royalty Paid this Period: None. Previously Paid: $204.58

Total Royalty paid to date: $204.58.

Percent Gov't Participation Repaid: 5.13%. Royalty Due Todate: $63.61

Royalty Remarks: A sale of 7.82 pounds of mica was made to the GSA depot July 1,1958. An initial payment of $48.76 was made to Mr. Vance. He told the writer when he receives the final payment on this sale he will add a little more to it and pay his arrears.

Original Estimate of DMEA Reserves (Field team final report)

Indicated ----17,500 lbs of "mine-run" block mica.
Inferred -----72,000 " " " " " "

	Type mica	Pounds	Value
Production DMEA Ore (this period)	Sheet	21.93	$327.71
	Scrap	2030.00	30.45
	Total..	2051.93	$358.16
Production DMEA ore (Previous)	Sheet	261.07	$3694.36
	Hand cobbed	5925.00	1311.43
	Total	6186.07	$5,005.79
Production DMEA Ore (to date)	Sheet	283.00	4,022.07
	Hand cobbed	5,925.00	1,311.43
	Scrap	2,030.00	30.45
	Total....	8,238.00	$5,363.95

Remarks: Mr. Vance has been operating off and on since the last inspection and has made three small sales to the Government Depot. He stated that he has lost so much money mica mining that he has decided to quit.

Wm. A. Beck, Mining Engineer
Bureau of Mines - (DMEA)

August 12, 1958

z

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/11	Fisher	800
6/11	Chambers	800
6/12	[illegible]	600
6/13	Jeffordy	120
"	Johnson	110
"	Mittendorf	100
6/13	[illegible]	220
		600

JUN 13 1958

Mr. T. B. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Dear Mr. Vance:

Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Knoxville, Tennessee, has advised me that you have not replied to his letter dated April 29, 1958, wherein request was made for the payment of $45.71 royalty due to the Government in connection with three sales of mica produced from the Shuffle Vance mine.

I am sure that you will wish to fulfill your royalty obligation under this contract and will forward the amount due at your earliest convenience. Will you please take care of this matter at once so that your account will again be on a current basis and we can close our file pertaining to this delinquency?

Sincerely yours,

C. O. Mittendorf (for)

Administrator

CEFisher/ama
June 11, 1958

Copy to: Docket
Administrator
Admr. Reading File
Field Team, Region V (2)
Mr. Chambers

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 2 1958

DATE	INITIALS	CODE
6/2	C	220
6/ ✓		600

cy to 800

May 29, 1958

Memorandum

To: Operating Committee, DMEA, Washington

From: Executive Officer, DMEA Field Team, Region V

Subject: DMEA-3813, Idm-E835 (Mica)
T. B. Vance, Plumtree, North Carolina
Shuffle Vance Mine, Avery County, N. C.

Mr. T. B. Vance has not replied to my letter of April 29, 1958, and the $45.71 royalty has not been paid.

Robert A. Laurence

Robert A. Laurence

DMEA
RECEIVED APR 23 1958

DATE		
4/23	C	2.21
23	Cem	1.00
16	3-26-58	1.10
"	6 EE	2.00
		6.00

DMEA EXPLORATION PROJECT

Semi-Annual Report of Certified project

Reporting Period: 10-25-57 to March 26, 1958. Examined:

Operator: T. B. Vance, Jr. Plumtree, N. C.

Docket: DMEA-3813. Contract: Idm-E835. Commodity: Mica

Contract Date: June 30, 1955. Date Certified: May 9, 1956

Expiration Date of Royalty Payments: June 30, 1965.

Total Amount of Contract: $5,310.00. Total Expended: $5,310.00

Government Participation at 75%..... $3,982.50

Royalty Paid this Period: $158.40. Previously Paid: $46.18

Total Royalty Paid to date: $204.58

Percent Gov't Participation Repaid: 5.13%. Royalty Due: $45.71 ✓

Royalty Remarks: The Operator has a small quantity of scrap mica on hand which will be sold shortly. Mr. Vance said all royalty due would be paid within a month.

Original Estimate of DMEA Reserves(Field TEam Final Report)

Indicated: 17,500 lbs.
Inferred : 72,000 "

	Type	Pounds	Value
Production DMEA Ore (this period)	Sheet	53.46	$914.10
Production DMEA Ore(Previous)	Sheet	207.61	2,780.26
	Hand cobbed	5,925 .00	1,311.43
	Total	6,132.61	4,091.69
Production DMEA Ore (todate)	Sheet	261.07	3,694.36
	Hand cobbed	5,925.00	1,311.43
	Total	6,186.07	$5,005.79

Remarks: No operation is being carried on at the property at present. The last sale of mica to the Government Depot was made December 17, 1957.

8.3 2.0

Wm. A. Beck, Mining Engineer
Bureau of Mines (DMEA)

April 21, 1958

Operating Committee

5/6 220 800 600

April 29, 1958

Mr. T. B. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3813 (Mica)
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Dear Mr. Vance:

On March 26, Mr. W. A. Beck discussed with you the production records of the Shuffle Vance mine and pointed out that $45.71 is due the Government as royalty. This is explained in the Report of Royalty Review dated March 18, which was sent to you on March 24.

Please send me your check for that amount, plus 5 percent of the value of any mica which has been sold since March 18. If payment is not received within 30 days from the date of this letter, it will be necessary to refer the matter to our Washington office for appropriate action.

Sincerely yours,

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

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

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/19	Fisher	800
3/19	C	220
		600

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

Re: Docket No. DMEA-3813 (Mica)
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Dear Mr. Laurence:

I am enclosing the original and two copies of Mr. Fisher's report of royalty review dated March 18, 1958, pertaining to the subject contract.

If you concur with the findings, the original should be forwarded to the Regional Finance Officer, a copy should be retained in your files, and a copy should be sent to the Operator.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosures

CEFisher/ama
March 19, 1958

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

8623

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

EXTRA COPY
DMEA
RECEIVED DEC 11 1957

DATE	[illegible]	CODE
12/11	Hook	600

December 9, 1957

Memorandum

To: Finance Officer, Region V - (DMEA)

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty Payment - Idm-E835, DMEA-3813-mica.
T. B. Vance, Plumtree, N. C. Shuffle Vance Mine.

Transmitted is a check No. 11107, dated Dec. 6, 1957, in the amount of $158.40 for royalty due on mica sold from the subject mine. No settlement sheets accompanied the check.

Robert A. Laurence

P. S. Please see semi-annual report by W. A. Beck, dated Nov. 14, 1957

zm

Mittendorf
Lynch
Files

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

ORIGINAL FILE COPY
DMEA
RECEIVED

11/15 gb 220
1/15 600
Hand 600

November 13, 1957

Mr. T. B. Vance, Jr.

Plumtree, North Carolina

Re: DMEA-3813, Idm-E835-mica
Shuffle Vance Mine
Avery County, N. C.

Dear Mr. Vance:

It has come to our attention that considerable mica has been mined on property covered by the subject contract since the first of the year. According to Mr. William A. Beck, of our office, who visited you on April 23 and October 25, you are aware of your obligation to pay the Government royalty on any production from the land covered by the contract.

Our records show that sales on which no royalty has been paid amounting to $3300.70 has been made this year. The last sale on our record was made by you September 25, 1957. The royalty on these sales amount to $165.03. As you made an overpayment of $6.63 in May 1956, the royalty now due is $158.40. The Government is also entitled to royalty on sales of scrap and punch mica that was recovered in processing the above mica.

We cannot indefinitely postpone collection of these long overdue royalties and if settlement is not made within thirty (30) days we will refer this matter to our Washington office for further action.

Very truly yours,

V. J. Lynch, Acting Executive Officer
Bureau of Mines

WAB/zm
cc
Opr. Com-2
Lynch
Laurence

DMEA
RECEIVED NOV 18 1957
DATE | INITIALS | CODE
11-18 | C | 220
18 | Conv | 100

DMEA EXPLORATION PROJECT

Semi-Annual Report of Certified Project

Reporting: 1-1-57 to Oct. 25, 1957. Inspected: 10-25-57

Operator : T. B. Vance, Plumtree, North Carolina

Mine Name: Shuffle Vance. County: Avery. State: North Carolina

Docket No: DMEA-3813, Idm-E835. Commodity: Mica

Contract Date: June 30, 1955. Date Certified: May 9, 1956

Expiration of Royalty Date: June 30, 1965

Total of Contract: $5,310.00. Total Expended: $5,310.00

Gov't Participation at 75%--$3,982.50

Royalty Paid this Period: None. Previously Paid: $46.18

Total Royalty Paid: $46.18. Royalty Due todate: $158.40

Percent Gov't Participation Repaid: 1.16%

Royalty Remarks: The records at the GSA Depot show sales amounting to $3,300.70 on which royalty has not been paid. The Operator, however, overpaid the Gov't $6.63 on royalty in May 1956. Mr. T. B. Vance told the writer October 25, 1957 he would pay the royalty due when he receives payment on his next sale.

Original Estimate of DMEA Reserves (Field Team Exam. Final Report)
Indicated---17,500 lbs. "mine-run" block mica.
Inferred--- 72,000 " " " " " " .

Production DMEA Ore (this period)	Type	Pounds	Amount
	Sheet	179.92	$2,560.56
	Hand cobbed	4580.00	740.14
	Total	4759.92	$3,300.70
Production DMEA Ore(previous)	Sheet	27.69	219.70
	Hand cobbed	1,345.00	571.29
	Total	1,372.69	790.99
Production DMEA Ore (todate)	Sheet	207.61	$2,780.26
	Hand cobbed	5,925.00	1,311.43
	Total	6,132.61	$4,091.69

REmarks: The part of the property covered by this contract known as the Charlie Burleson mine was operated in February of this year by Dave Dellinger; in March, April and May by Mr. Vance and in July and August by William Stafford. Mr. Vance is operating the mine presently and has been since September. All the production reported for this period has been from the Charlie Burleson Mine.

Wm. A. Beck, Mining Engineer
Bureau of Mines

November 14, 1957.

SEMI-ANNUAL REPORT ON CERTIFIED PROJECT

Reporting Period: 7-1-56 to 1-1-57. Date of Examination: 4-23-57

Operator: T. B. Vance, Plumtree, North Carolina

Mine Name: Shuffle Vance. County: Avery. State: North Carolina

Docket No. DMEA-3813. Idm-E835. Commodity: Mica

Contract Date: 6-30,1955. **Date of Certification: 5-9-56**

Expiration date for royalty payments: June 30, 1965

Total Amount of Contract: $5310.00

Total Expenditures under contract; $5310.00

Amount of Government participation at 75%--$3,982.50

Royalty Payments thisPeriod: None

Previous Royalty Payments: $46.18

Total Royalty paid to date: $46.18

Percent Government Participation Repaid: 1.16%

Royalty Due - None

Royalty Remarks: Operator has overpaid the Government $6.63 on the $790.99 that he claims to have received on production from the mine.

Original Estimate ofDMEA Reserves (Field Examination final report)

Indicated - 17,500 lbs. "mine-run" block mica
Inferred - 72,000 lbs. " " " "

Production DMEA ore (this period) None

Previous Production:

Sheet mica	27.69 lbs	$219.70
Hand cobbed mica	1345.00 lbs	571.29
Total	1372.69 lbs	$790.99

Production DMEA Ore to date(same as above).

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 29 1957

DATE	INITIALS	CODE
5/29	FWH	220
"	Comm	100

Remarks: The writer talked with T. B. and Joe Vance, April 23, 1957, about activities at the Shuffle Vance Mine. They stated they were not operating there at the present time, but were operating at the Charlie Burleson Mine which they said is on the same property covered by Contract Idm-E835, DMEA-3813. They are cognizant of the fact that any mica produced there is subject to Government royalty.

W. A. Beck

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

RECEIVED
JUN 18 1956

June 13, 1956

Memorandum

To: Helen Miller, Ass't Administrative Officer, Region V

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

Subject: Royalty payment - Idm-E835, DMEA-3813 (mica) Shuffle Vance Mine.

Transmitted herewith are bills of sale for $790.99 and check for $46.18 royalty for the subject certified project.

The Operator overpaid $6.63, and we have advised him that he may deduct that amount from his next payment.

Robert A. Laurence

RAL/am
cc:
Wittendorf
DMEA
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUN 18 1956

June 14, 1956

Mr. T. B. Vance

Plumtree, North Carolina

Re: DMEA-3813, Idm-2835 (mica)
Shuffle Vance Mine, Avery County,
North Carolina

Dear Mr. Vance:

Your check for $46.18, received here on May 24 included an overpayment of $6.63 (5% of 132.68, which should have been deducted from the total amount of the sale). Therefore, on your next royalty payment, you may deduct $6.63 from the amount due. We have forwarded the check for deposit.

Please note that royalty is due on sales of scrap and punch as well as on sheet mica.

Very truly yours,

Robert A. Lawrence
Executive Officer, DMEA
Region V

RAL/wm
cc:
Lynch
Finance Office
Mittenderf
Files

Copy copy Copy

GENERAL SERVICES ADMINISTRATION
MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE: 4-26-56

Acceptance No. BR-4-264(a)

Certificate of Authorization No. EPS-4-2693

LOT No. 264(a)

RUBY [X] NON-RUBY [ ]	TOTAL LBS.	Lbs of G.S. & Better	Lbs. Stained Mica	TOTAL VALUE
TOTAL PAYMENT	1345.00	15.44	43.81 S 32.25 HS	703.97
LESS INITIAL PAYMENT			10.00 S 10.00 H.S	148.30
AMT DUE Gov [ ] SELLER [ ]	~~Less cost of refining + Drying~~			132.68 422.99

DMEA-3813 IDm-E 835

Seller:

MINE; Shuffle Vance Address

Copy

GENERAL SERVICES ADMINISTRATION, REGION IV
MICA PURCHASE DEPOT, Spruce Pine, N. C.

Authorization No. EPS-4-358A Acceptance No. 642 Date: 12-14-55

Seller: J. B. Vance, Jr. Plumtree, N. C.

Mine: Shuffle Vance DMEA No. 3813- Idm E 835

Avery County, N. C.

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb.	Amount
Good Stained & Better Grades No. 3 & larger					$70.00	
No. 4 and 5				1.20	$40.00	48.00
No. 5½ and 6				5.98 7.18	$15.00	89.70
Stained No. 3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00		6.00	$ 8.00	48.00
No. 5½ and 6		$ 3.00		19.17	$ 5.00	95.85
Heavy Stained No. 3 & larger		$ 8.00			$13.00	
No. 4 and 5		$ 4.00		1.11	$ 6.00	6.66
No. 5½ and 6		$ 2.00		2.23	$ 3.00	6.69
LOT TOTALS		//////			//////	
TOTAL		/////		35.69	/////	294.90
				16.00		75.00
				19.69		219.90

copy

GENERAL SERVICES ADMINISTRATION, REGION IV
MICA PURCHASE DEPOT, Spruce Pine, N. C.

Authorization No. _____ Acceptance No. _____ Date: _____

Seller J. B. Vance, Jr.

Mine (Various mines) DMEA No. 3813 - Idm 835

Should specify

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb.	Amount
Good Stained & Better Grades No. 3 & larger					$70.00	
No. 4 and 5					$40.00	
No. 5½ and 6				3.52	$15.00	52.80
Stained No. 3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00			$ 8.00	
No. 5½ and 6		$ 3.00		4.48	$ 5.00	22.40
Heavy Stained No. 3 & larger		$ 8.00		00	$13.00	
No. 4 and 5		$ 4.00			$ 6.00	
No. 5½ and 6		$ 2.00			$ 3.00	
LOT TOTALS		//////		8.00	//////	
TOTAL		/////		16.00	/////	75.20

Mr. Laurence, this is the mica that I had to buy in order to sell this mica, therefore, I will not be obligated to pay royalty on this invoice. Which : $75.20

omit

DOCKET COPY
Surname:

Mr. Geehan
Nelson
Selfridge
Johnson

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

MAY 10 1956

Mr. T. B. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3813-mina
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Dear Mr. Vance:

Transmitted herewith is a certification of discovery or development under Contract No. Idm-E835 on the Shuffle Vance Mine, Avery County, North Carolina.

By the terms of the Exploration Project Contract and of the certification, all production from the date of the Exploration Project Contract, June 30, 1955, is subject to the Government's percentage royalty as set forth in the contract until the sum of $3,982.50 is paid or until June 30, 1965, whichever occurs first.

Payments should be made to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville, 2, Tennessee. Checks should be drawn payable to the Defense Minerals Exploration Administration. The purchaser should be advised to deduct royalties from the amount due on each shipment and forward the checks to the Executive Officer.

Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of ore sold, the name of the purchaser, and the price and charges certified to be correct by the purchaser.

You are requested to notify Mr. Laurence of any changes in ownership or production rights that may have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for any extended period, please notify Mr. Laurence at six-month intervals that no production has been made.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

JHopkins:ms 5/7/56
Copy to: Docket
Operating Committee
Mr. Johnson
Mr. Chambers
Field Team, Region V
Mr. Killsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File
Certification File

R.C.

DOCKET COPY
Surname:
Hopkins
Houk
Rubin
Sawyer
Chambers

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

Mr. T. B. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3813-Mica
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Dear Mr. Vance:

Transmitted herewith is a certification of discovery or development under Contract No. Idm-E835 on the Shuffle Vance Mine, Avery County, North Carolina.

By the terms of the Exploration Project Contract and of the certification, all production from the date of the Exploration Project Contract, June 30, 1955, is subject to the Government's percentage royalty as set forth in the contract until the sum of $3,982.50 is paid or until June 30, 1965, whichever occurs first.

You should continue to make royalty payments to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville, 2, Tennessee, as you have in the past and checks should be drawn payable to the Defense Minerals Exploration Administration.

Also, royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets showing quantity and grade of ore sold, the name of the purchaser, and the price and charges certified to be correct by the purchaser.

You are requested to notify Mr. Laurence of any changes in ownership or production rights that may have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for any extended period, please notify Mr. Laurence at six-month intervals that no production has been made.

Sincerely yours,

Administrator

Enclosure

Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File
Certification File

JHopkins:ms 4/26/56
Copy to: Docket
Operating Committee
Mr. Johnson
Mr. Chambers
Field Team, Region V

DOCKET COPY
Surname:
Hopkins
Houk
Chambers
Gehan
Nelson
Selfridge
Johnson

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

Mr. Clarence A. Fredell, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
7th and D Streets, S. W.
Washington, 25, D. C.

MAY 10 1956

Re: Docket No. DMEA-3813-mica
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Dear Mr. Fredell:

I am enclosing one copy of a certification of discovery or development relating to the subject contract.

The exploration contract was signed on June 30, 1955, with the Government participating to the extent of 75 percent of $5,310.00 or $3,982.50. The project was started on July 6, 1955 and completed on January 7, 1956, after the expenditure of $5,310.00, which is the total net accepted cost according to the Audit Review. The Government paid 75 percent of the total accepted cost or $3,982.50.

The work performed on this project consisted of cleaning out the portal of a tunnel, drifting 112.5 feet and raising 37.5 feet on a pegmatite.

About 2,500 pounds of "mine-run" block mica was produced during the operation. The project work furnished sufficient data to calculate the following types of strategic mica reserves:

Indicated - 17,500 pounds "mine-run" block mica
Inferred - 72,000 pounds "mine-run" block mica

The DMEA is of the opinion that the project work was of definite benefit to the property and, therefore, we have certified that a discovery or development resulted from the work.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

Mr. Kilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Certification File
Admr. R. File

JHopkins:ms 4/27/56
Copy to: Docket
Operating Committee
Mr. Johnson
Mr. Chambers
Field Team, Region V

R.C.S.

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

RECEIVED
MAY 2 - 1956

April 30, 1956

Memorandum

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

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

Subject: DMEA-3813, Idm-E835 (mica), T. B. Vance, Operator
Shuffle Vance Mine, Avery County, North Carolina

As requested in your letter of April 20, 1956, there is attached a copy of a map showing the indicated and inferred ore reserve blocks for the subject mine.

The ore reserves were calculated as follows:

A. Indicated reserves
55' x 35' x 10' = 19,250 cubic feet of pegmatite less contract drift volume,
40' x 7' x 5' = 1,400 cubic feet
= 17,850 cubic feet remaining in indicated reserve

An arbitrary 60% of the total recovered block muscovite (1500 lbs), was estimated as having come from the drift in the calculated reserve area. No actual distribution figures were kept by the operator or measured during the infrequent inspections by the examiners. A recovery factor of 1.1 pounds of mine run block per cubic foot of pegmatite was calculated from the estimated recovery and volume of pegmatite removed under the contract (1,500 lbs. of block muscovite/1,400 cubic feet of pegmatite removed).

A total of 19,635 pounds of mine run block was calculated in the indicated reserve area. This figure was depreciated by approximately 1/8 to 17,500 pounds in the interests of conservatism and uncertainty.

B. Inferred Reserves

An inferred reserve block was calculated to be
110' x 135' x 5' = 74,250 cubic feet

The inferred reserves were similarly calculated and depreciated from 81,975 pounds to 72,000 pounds of mine run block muscovite.

V. J. Lynch

V. J. Lynch, Acting
Executive Officer, DMEA
Region V

S. C. Bergman

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

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

DOCKET COPY
Surname:

Hopkins
Houk
Selfridge
Johnson
Mattendorf

APR 20

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

Re: Docket No. DMEA-3813-Mica
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-M835

Dear Mr. Laurence:

Reference is made to the map that accompanied the Final Field Team Report, dated February 24, 1956, on the subject property.

We are unable to check the estimate of "indicated" and "inferred" ore reserves on this property because the lines delineating the ore blocks on our copy of the map are so faint. Please send us another copy of the map that shows these lines more distinctly and include the dimensions of the ore blocks and estimated percentage of mica.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

JHopkins:ms 4/19/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File

R.E.K.

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

RECEIVED
MAR 14 1956

March 14, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3813 (mica)

Applicant: T. B. Vance

Name and Location of Property: Shuffle Vance Mine, Avery Co., N. C.

Contract Number: Idm-E 835

Date of Field Team Report: 2/24/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 3/5/56

Field Team Recommendation: Recommend certification of discovery.

Comments:

1. About 2,500 pounds of strategic "mine run" black mica was recovered in driving 150 feet of drift and raise.
2. Reserves are estimated at:
   Indicated 17,500 lbs. of mine run block
   Inferred 72,000 lbs. of mine run block
3. Expenditures

Total approved	$5310.00
Total cost	5310.00
Gov't. share of the cost	3982.00
Value of production during operation	1700.00

Recommendation: I concur with the field team's recommendation.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
MAR - 6 1956

March 6, 1956

Re: DMEA 3813, Idm-E835
T. B. Vance
Shuffle Vance Mine
Avery Co., N. C.
$5,310.00 - Mica

Memorandum

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

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

Subject: Review of Final Field Team report.

Approval was given for the expenditure of $5,310.00. The work done consists of drifting and raising. The work took a roundabout course and finished about fifty feet from an old incline and about 20 feet below the surface.

Considerable work had been done and $14,000 worth of mica was recovered from a large pit.

The last ten feet of nearly flat raise is in a flat pegmatite estimated to bear about 20% mica at the face. The examiners estimate indicated and inferred reserves as:--

Indicated Mine-run-block	=	17,500 lbs.
at 5% (sheet)		875 lbs.
at $14.00/lb.		$12,250.00
Inferred Mine-run-block	=	72,000 lbs.
at 5% (sheet)		3,600 lbs.
at $14.00/lb.		$50,400.00
Total value		$62,650.00
Total inferred royalty		$ 3,132.50 (est.)

The total cost of the work was the amount allotted

	$ 5,310.00
Government share	$ 3,982.00
Estimated production	$ 1,700.00
Estimated royalty due	$ 85.00

The examiners and the Field Team recommend certification.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

3813

ACTION ON INFORMATION

Date 3-5

Referred to:

1. Mr. ~~[illegible]~~
2. Mr. ~~[illegible]~~
3. ~~Mr. [illegible]~~
4. Docket Control Mails and Files
5. Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Certificates

2.

3.

4.

and take appropriate action.

- - - - - -

Action taken by Division:

ROBERT E. ADAMS

Initials

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

RECEIVED
FEB 29 1956

February 28, 1956

Memorandum

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

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

Subject: Field Team Final Report, DMEA-3813, Idm-E835 (Mica)
T. B. Vance, Plumtree, North Carolina
Shuffle Vance Mine, Avery County, North Carolina

Enclosed are four copies of the subject final report.

We recommend certification of discovery.

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

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

Enclosures 4

Reviewed by
DMEA OPERATING COMMITTEE
3-5-56
(date)

Final Flotation Report

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
FEB 29 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

DMEA FIELD TEAM- REGION V

On

DMEA-3813, Idm-E835, SHUFFLE VANCE MINE
Avery County, N. C. (mica)

By

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

and

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

February 24, 1956

Reviewed by
DMEA OPERATING COMMITTEE
3-5-56
(date).

FINAL REPORT

On

DMEA-3813, Idm-E835, SHUFFLE VANCE MINE
(mica)

RECEIVED
FEB 29 1956

Operator: T. B. Vance, Plumtree, North Carolina

Location: On the nose and the southeast flank of a spur of Doublehead mountain, 1 airline miles N 61° W of Plumtree, Avery County, N. C.

Summary

About 2500 pounds of strategic "mine-run" block mica was recovered while driving 150 ft of drifts and raise. Reserves of strategic mica are indicated. No further exploration is warranted. The field examiners recommend that the mine be certified as a discovery.

Introduction

The Shuffle Vance is an old mine with several adits, cuts, and stopes. It apparently has been worked at intervals over a considerable period of time. Three mica shoots have been mined previously. Both mica and feldspar have been mined.

The Operator sold about $14,000 worth of mica from the largest cut before the present contract with DMEA. That mica was hard, flat, relatively large, ruby colored, and free splitting. Some was slightly stained by a brown mottling (examination report, June 1, 1955).

New Work:

Work under contract began July 6, 1955 and was completed January 7, 1956.

Muck was removed from the existing adit which extended 65 feet in a S 65° W direction. That drift was extended for 49 feet. From the 65 ft point a +20 to 25° raise was driven 37.5 feet N 70° W, and a drift was driven due north for 22 ft and N 5° W for an additional 42 ft (total 150.5 feet).

Small mica recovery resulted from the first drift and raise, but in the last few feet of drift to the north, an abundance of good mica was recovered.

No surface facilities were provided for in Exhibit "A" of the contract, nor were any constructed. No equipment was purchased.

Geology

Pegmatite:

Two overlapping pegmatites were encountered in the drifts. Material encountered was mostly feldspathic in the first 75 ft of drift and raise, but in the last 75 ft of drift more quartz, and considerably more strategic muscovite were found. All work was performed in the pegmatite.

The trends are irregular, ranging from northwest to east-west, to northeast. Dips are to the southwest, south, and southeast 15 - 35 degrees. The lenticular pegmatites are conformable to the country rock.

Minerals in order of abundance are soda-plagioclase (occasionally kaolinized), quartz (disseminated), perthite, muscovite, and sericite. No zoning is apparent. Some "graphic-granite" textures exist.

Country Rock:

Country rock enclosing the pegmatite consists of biotite gneiss. In the cut it is weathered and soft, but in the drifts it is unweathered, and extremely hard. Small inclusions of gneiss occurred sporadically around the 20 ft point from the top of the raise due north. At the 64 ft point in the north drift from the top of the raise, euhedral, dodecahedrons of garnet crystals appear disseminated. The foliation in the cut dips generally 16° SE and strikes about N 20° E.

Muscovite:

About 2,500 pounds of strategic,"run-of mine block" muscovite was produced from the 150 ft of drifts and raise, most of which came from the last 75 ft of drift to the north and northwest.

Ruby muscovite was unstained flat up to 7" x 10" x 2" and free splitting. Some wide ruling and bending occurred, probably as a result of the blasting. At the 20 ft point in the north-trending drift from the top of the raise, the muscovite occurs in books 1 1/2 to 2 inches thick and 7 by 10 inches wide. Three by three inch pieces may be trimmed from the mica sheets. At the 31 ft point, the mica is up to 5 in. wide. At 58 ft the mica is abundant, flat, clear ruby, unstained, cracked and 2 1/2 inches thick by 6 to 10 inches wide. The best muscovite at the 58 ft point was on the east wall (about 15% of the pegmatite was muscovite). At the 64 ft point in the present heading the face exhibits abundant (3-6" wide) disseminated muscovite books that show the pseudo-hexagonal crystal outline. Here the books appear without orientation in the 5 ft thick unzoned pegmatite (about 20% of pegmatite is muscovite at this point).

Reserves

A conservative estimate of indicated and inferred reserves, which may sheet at 5%, and be sold at the average price of $14.00 per pound at the Government Purchasing Depot, Spruce Pine, N. C., would be as follows: (see map)

<u>Indicated</u>:	"Mine-run-block"	=	17,500 lbs
	@ 5%(sheet)	=	875 lbs
	@ $14.00/lb	=	$12,250.00

Inferred:	"Mine-run-block"	=	72,000 lbs.
	@ 5% (sheet)	=	3,600 lbs.
	@ $14.00/lb	=	$50,400.00

Total reserves (indicated and infered)

"Mine-run-block"	=	89,500.00 lbs
"sheet"		4,475.00 lbs
Total value of sheet	=	$62,650.00

The Operator is mining now, and reports mica recovery up, percentage-wise, over the past month. He intends to continue mining.

Conclusions and Recommendations

The Operator conducted the project in a satisfactory, workmanlike manner, and followed the directions of the field examiners closely. He had trouble with a lack of air at one time, but he installed a blower with a wooden pipe. No further exploration is warranted. The field examiners recommend that the mine be certified as a discovery.

Expenditures:

(a)	Total approved	$5310.00
(b)	Total cost of project	5310.00
(c)	Government's share of cost	3982.00
(e)	Value of production (estimated)	1700.00
(f)	Royalty paid	None*

* Mr. Vance states in his final report that his mica has been sold, but it will be April before he will know its value. Royalty will be paid at that time.

February 24, 1956

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

and

L. E. Shirley, Mining Engineer
Bureau of Mines

z

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

February 9, 1956

RECEIVED
FEB 13 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Operator's Final Report - DMEA-3813, Idm-E835 (mica)
T. B. Vance, Plumtree, N. C. Shuffle Vance Mine, Avery Co., N.C.

Enclosed herewith are 4 copies of the Operator's final report on the subject contract.

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

V. J. Lynch By: zm
V. J. Lynch, Member
Bureau of Mines

Plumtree. N.C.
Jan 23 1956

RECEIVED
JAN 25 1956
U. S. Survey
Geologic Division
Knoxville, Tenn.

RECEIVED
FEB 13 1956

Operator's Final Report

Exploration Of Shuffle Vance Mica Mine.

Drove Tunnel Direct West In Fine Granite Fifty Four Feet, No Mica It Seemed To Be Too Hard And Rock Was Too Fine Grain To Produce Mica.

Field Men Came And Changedto A Differnt Course, Going North 70 west With A Tunnel Twenty Five Feet Back From Head Of First Tunnel on North Side Of Tunnel This Vein Was Some Flint And Feldspar And Seemed To Be A Coarse And Bigger Grain Rock. This Was Driven Thirty Three Feet . When We Drove Twehty Five Feet It Showed Some Signs f Mica By The Time I Finished The Thirty Three Feet I Had Went Up Five Feet Above The Tunnel Bottom I Had Started From. The Air Had Began To Get Bad, And The Smoke Abd Fumes Would Not Come Out Of Head Of Mine.

On This Thirty Three Feet I Run In To A Slate Sitting Up And Down .

Field Men Came and LookedThings Out. I Turned Direct North Getting Some Mica Vein Pinching In And Out With Puffy Mica, But I Stayed On About The Same Level As Was When I Started North, The Air And Fumes As Bad As Could Be . So I Put In A Blower Carrying Fresh Air To The Men. Pulled This About Thirty Feet Vein Built Up Three To Five Feet Thick And Went To Giving Better Mica.

On The Finish Of Foot On Contract It Changed To North 5 West With Back Wall Looking The Best It Had Seemedto Me., But The Working ConditionsWas Poor And The Air Forced Me To Have To Give Up Working. On The Tunnel Runing Thirty Three Feet It Was Poor Didnt et But Seven Hundred Lbs Of Mica Scraps And All I Worked this up Sold it To Goverment Received $19500 I Sold Today Thirteen Hundred Fifty Lbs Of Block Mica To The Goverment On A.B.Progam To Be Worked By Goverment And Processed .

It Will Be April Before We Hear What This Mica Valueis. I Will Mail The Goverment Invoices On What Was Sold And Check For Amount Owed Goverment.

Hope This Information Will Help . I Enjoyed Working With The Field Team.

T. B. Vance

RECEIVED
FEB - 3 1956

P. O. Box 217
February 1, 1956

Memorandum

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

From: Administrative Assistant, Electrotechnical Experiment Station, Region V, Bureau of Mines, Morris, Tennessee

Subject: Monthly reports and vouchers

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

Icm-E-835 T. B. Vanne
Docket No. DMEA-3813
6th and final payment - months of December & January
Completion Date: 1-7-56
Amount $997.50

Helen R. Miller

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

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

Final Report

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED
FEB - 3 1956

Month of Dec. & Jan., 195 5-56 Docket No. DMEA 3813 Contract No. Idn-B 835
Operator's Name T. B. VANCE Minerals MICA
Address PORTER, N. C.
Contract Amount, $ 5310.00 Government Participation: 75 % Amount, $ 3982.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		60.00	60.00			
Crosscutting						
Drifting Feet	1330.00	3980.00	5250.00			
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1330.00	3980.00	5310.00	1330.00	3980.00	5310.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Jan. 13-56 *Payee T. B. VANCE

Per T B Vance Title OPERATOR

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

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

(Instructions on reverse)

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

$ 997.50

Signature Helen R. Mellen
(Authorized Certifying Officer)

Date FEB 1 1956 Vou. No.

(See other side)

332.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E835 in accordance with the terms of the contract.

Signature [illegible] Title Mining Eng. Date 1/31/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title EXECUTIVE OFFICER DMEA ~~REGION V~~ Date JAN 31 1956

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

RECEIVED
FEB - 3 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Dec. & Jan. 1955 & 56 Docket No. DMEA 3813 Contract No. 16a-E 835
Operator's Name T. B. VANCE Minerals MICA
Address [illegible], 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	Feet	1350.00	30	5250.00	150	5250.	150	5250.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
BLASTING				60.00	1	60.	1	60.00
TOTAL DISTRIBUTED COSTS		1350.00		5310.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1350.00		5310.00				

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 Jan. 13, 1956 Operator T. B. Vance

Per T B Vance Title Operator

REMARKS: This report includes all work accomplished in December and five days work in January which finished the project.

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. J. Lynch
Bureau of Mines
1/31/56

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

MONTHLY REPORT OF PROGRESS

T. S. VANCE
Pickens, S. C.

MICA
Contract No. Ki-R 855

CONE ACCOMPLISHED BEGUN OF DECEMBER AND FINISHED UP IN JANUARY

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Dec. 5 - Moved equipment for fan from Powder Mill to mine.

" 6 - Set up fan and connected up pipes and tested blower. It worked.

" 7 - Mucked out, drilled and shot.

" 8 - Mucked out-got one block mica weighed 15#.

" 12 - Drilled one round, shot & mucked.

" 13 - Drilled, mucked, shot & got one back mica.

" 14 - Drilled, shot, slate showing on both sides.

" 15 - Mucked out, vein looked good, got about 50# mica, mostly scraps.

" 16 - Drilled, shot and got some mica but it was damaged with powder burn.

" 19 - Mucked out clean, about two feet vein next slate. Drilled.

" 20 - Drilled & shot. Mucked, recovered dynamite box mica very puffy.

" 21 - Drilled, Shot, Mucked. Vein looked good.

" 22 - Mucked out clean, drilled shot & shot out all the vein.

" 23 - Mucked, Drilled & shot. Vein built up to one to four feet. some mica showing.

" 26 - Mucked out. drilled, shot, got some mica.

" 27 - Mucked, Drilled, Shot, 2 foot slate showing in heading of mine.

" 28 - Slate had a white streak all through it. Drilled, shot, about all vein showing again.

" 29 - Mucked, drilled, shot. got about 25 # good mica.

Jan. 2 - Worked on Air Blower Fan and lines.

" 3 - Drilled, shot, got some mica.

" 4 - Visited by field team. They looked over all works and instructed me to finish up the project before sending in report. Drilled.

" 5 - Worked most of day widing out tunnel and mucking.

" 6 - Drilled, shot, mucked, got some of the best mica recovered so far.

This finished my footage on the project and it looks like I just got to the mica bearing pegmatite. The mica that I have out will be sold under the "A" & "B" program to the U.S.Govm. Mica Depot in Spruce Pine, N. C. Upon receipt of the Government check I will pay the 5% due to the U.S. Treasury.

/ for the mica.

RECEIVED
JAN 27 1956

INTERIM REPORT

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, N. C.

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

This contract has been completed. All work as outlined under Exhibit "A" of the contract has been expended, and no additional exploration at government expense is recommended by the Field Examiners.

Work completed under contract consisted of clearing muck from the adit portal by bulldozer, which required 6 hours machine time, and driving a total of 150 feet of drifts and raise as follows: A drift was driven S65°W for 49 feet, a raise was driven from the northwest wall of the previous drift in a N70°W direction for a distance of 37.5 feet on a +20-25° incline, and a drift was driven due north for a distance of 32 feet and N5°W for an additional 42 feet. Scant mica recovery resulted from the first drift and raise work, but considerable mica has been recovered from the last drift work. Previous interim reports have covered locations where mica was recovered. Material encountered was primarily feldspathic for the first 75 feet of drift and raise completed, but additional quartz and added mica began to show up in the last 75 feet of drift. At least two overlapping pegmatites were encountered in the drifts.

This project was conducted satisfactorily, and the Operator accepted all suggestions freely. The Examiners are of the opinion that the upper drift work was beneficial in the production of strategic mica

and that the Operator will continue the drift to the northwest, and possibly work at other locations in the leased area. Certification will be recommended.

L. E. Shirley

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

S. C. Bergman

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

January 17, 1956

January 25, 1956

Mr. Robert A. Laurence calling Mr. L. G. Houk

H

Re: Docket No. DMEA-3813 - Mica
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

Mr. Laurence: We have the final on the Shuffle Vance Mine (DMEA-3813)

Mr. Houk: Mrs. Vance called yesterday, they have cleaned out to the bottom and they want to go deeper. We could give them a deal to try to locate a new shoot.

Mr. Laurence: If they have good showing they dont need any exploration. The question on the Shuffle Vance is holding the final voucher for royalties. Reads letter: "On the tunnel run 30 feet was poor. I received 900 lbs. $195. I sold 1350 lbs. today of block and it will be April until I hear what the miva value is." Shall I hold up the voucher until April?

Mr. Houk: Will he actually get 278½ $28.90. Why dont you hold out $50.

Mr. Laurence: The question is is it worth it. It will make a lot of bookkeeping. Should we release his last voucher and trust him. I think he will pay us.

Mr. Houk: It isnt much but we will start ~~xxxxxxx~~ writing letters on it.

Mr. Laurence: Which is cheaper write letters or go through the bookkeeping involved.

Mr. Houk: Say you pay the man his final voucher. The Treasury Dept. pays them direct.

Mr. Laurence: Yes we send it to the Bureau of Mines Fiscal Divn., and they send to the Treasury Dept. and they pay direct.

Mr. Houk: When he pays us they will have to write another check.

Mr. Laurence: Yes they would have to pay him another check.

Mr. Houk: Then we would have to give him a check for the difference which would be two checks. I was trying to think of a simple way to handle it. He doesnt expect to be told the value of that mica until April. Are they that far behind? How much is the voucher for? Is it a matter of $200? As much as $400?

Mr. Laurence: Yes $400.

Mr. Houk: How has the history been of the Vances. Go ahead and pay that one.
Mr. Laurence: I havnt had any trouble with the Vances.
Mr. Laurence: That is what I think go ahead and pay and trust him to come through. We are going to recommend certification. We will release the voucher here and remind him we will want royalty payments as soon as possible.

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

RECEIVED
JAN 19 1956

January 17, 1956

Mr. T. B. Vance

Spruce Pine, North Carolina

Re: Contract No. Idm-E835
Docket No. DMEA-3813 (mica)
Shuffle Vance Mine, Avery County, N. C.

Dear Mr. Vance:

It will be necessary for us to withhold payment on the final voucher for the subject contract until we have received your final report as required in Article 6c of the contract form. This report should give an evaluation of the work accomplished under the contract, an estimate of ore reserve resulting from the work, the amount of mica produced and the amount and value of any mica sold.

Please submit your final report as soon as possible so that the final voucher may be processed for payment.

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

VJL/rm
cc:

Lynch
Shirley
Files

Cpr. Com.-2

INTERIM REPORT

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

RECEIVED
JAN 13 1956

OPERATOR: T. B. Vance, Plumtree, N. C.

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Drifting to the north continues on this contract; 22 feet have been driven due north, and 36 feet have been driven N5°W. Total drift and raise completed to date is now at 144 feet, and only 6 feet remains to be driven under contract. About 1500 pounds of "mine-run" block mica has been recovered from last 27 feet of drift work. About 500 pounds of this mica has been processed, and a small sale has been made recently to the G.S.A. Mica Depot, Spruce Pine, N. C. About 1,000 pounds of "mine-run" block is on hand at this time.

The Operator was advised to continue the drift in the present direction. Medium to large-sized blocks of mica was showing in the present face, and there were concentrations in the roof area. The Operator indicated that some raise work would be accomplished in this area after the contract was completed. Progress on this contract is satisfactory.

L. E. Shirley

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

S. C. Bergman

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

January 4, 1956

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

January 4, 1956

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3813 - Mica
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina
Contract No. Idm-E835

The Nonmetallic Minerals Division concurs in Amendment No. 1 to the subject contract as written and executed in the field. This amendment changes the completion date from December 15, 1955, to February 29, 1956.

Amendment No. 1 is necessary because weather conditions prevented completion of the project work by the scheduled date, and it is in the interest of the Government to provide additional time for completion.

James Hopkins
Nonmetallic Minerals Division

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

RECEIVED
DEC 22 1955

December 20, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: DMEA-3813, Idm-E835 (Mica)
T. B. Vance, Plumtree, North Carolina
Shuffle Vance Mine, Avery County, North Carolina

Enclosed are three copies of Amendment No. 1 to the subject contract extending the time for completion. Weather conditions prevented completion by the scheduled date, and it is in the interest of the Government to provide additional time for completion.

Robert A. Laurence

Robert A. Laurence

Enclosures 3

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED DEC 12 1955

Month of Nov., 1955 Docket No. DMEA 3813 Contract No. IDM-E 835
Operator's Name T. B. VANCE Minerals MICA
Address PLUMTREE, N. C.
Contract Amount, $ 5310.00 Government Participation: 75% Amount, $ 3982.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		60.00	60.00			
Crosscutting						
Drifting Feet	385.00	3535.00	3920.00			
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	385.00	3595.00	3980.00	385.00	3539.00	3980.00

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

Date 12-1-55 *Payee T. B. VANCE

Per T B Vance Title OPERATOR

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

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

(Instructions on reverse)

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

$ 288 25

Signature Helen R. Mulin
(Authorized Certifying Officer)

Date DEC 8 1955 Vou. No.
(See other side)

96.25

(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. 1835 in accordance with the terms of the contract.

Signature Sheldon C. Bergman Title Geologist USGS Date DEC 7 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Laurence Title EXECUTIVE OFFICER DMEA REGION V Date DEC 7 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
DEC 12 1955

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

Month of Nov. 1955 Docket No. DMEA 3813 Contract No. IDM-E 835
Operator's Name T. B. VANCE Minerals MICA
Address PLUMTREE, 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	Feet	385.00	11	3920.00	112	3920.	150	5250.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				60.00	1	60.	1	60.00
TOTAL DISTRIBUTED COSTS		385.00		3980.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		385.00		3980.00				

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 12-1-55 Operator T. B. Vance

Per Title Operator

REMARKS:

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

(Instructions on reverse)

(For Government use only)

Sheldon C. Bergman
12/7/55

INSTRUCTIONS

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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

RECEIVED
DEC 12 1955

OPERATORS MONTHLY REPORT OF PROGRESS

T. B. VANCE
PLUMTREE, N.C.

DMEA 3813 MICA
CONTRACT NO. IDM-E-835

WORK ACCOMPLISHED MONTH OF NOVEMBER WORK CONTINUED

Nov. 1- Drilled, shot, mucked out. Recovered 2 small blocks mica.

" 2- Drilled, shot, mucked out. Recovered 25lbs. mica mostly scraps.

" 3- Drilled, shot, micked out. " 100 lbs. soft puffey mica.

" 4- Started to widen tunnell, shot & mucked, recovered some mica.

Nov. 7- Drilled, shot, mucked out, moved water line. Vein looked good.

" 8- Drilled, shot, mucked out. Vein looked dull, no mica.

" 9- Drilled, shot, mucked. vien bad, no mica.

" 10- Mucked, drilled, shot. recovered about 25 lbs. mica.

" 11- Drilled, shot, mucked. Vien 12" thick, 24" across, 1 block mica showing

Nov.14- Drilled, shot, mucked. 50 lbs. mica, mostly puffy & stained.

" 15- Drilled and shot, mucked. No Mica. Visited by Field Team.

" 16- Drilled and shot, mucked. No mica. Air getting bad.

" 17- Mucked and shaped up heading, vien looked bad, air in mine getting bad.

" 18- Drilled and shot- smoke stayed in mine all day.

Nov.21- Mucked out and found the air still bad. Drilled.

" 22- Shot and had to leave as air & smoke too bad to work.

I am getting a Fan rigged up and will got it set up at mine next month.
Nov. 29-Field team went up to mine. Measured number of feet pulled this month. Smoke slowed progress. Will improve with Fan.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D. C.~~
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
DEC 15 1955

December 12, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: DMEA-3813, Idm-E835 (Mica)
T. B. Vance, Plumtree, North Carolina
Shuffle Vance Mine, Avery County, North Carolina

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

We are preparing an amendment to extend the time on this contract from December 15 to February 29, as the Operator can not complete it within the time limit set by the contract.

Robert A. Laurence
Robert A. Laurence

Enclosures 4

INTERIM REPORT

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

RECEIVED
DEC 15 1955

OPERATOR: T. B. Vance, Plumtree, North Carolina

LOCATION: On the nose and thesoutheast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Drifting continues to the north from the head of the northwest raise and is now at 31.5 feet. Total drift and raise completed to date is 117.5 feet. Progress during the past month has been hampered by improper ventilation in the north drift. The operator was advised to install a blower and airline to this area before attempting any additional work. Material encountered in the last 11 feet of drift is pegmatite containing numerous inclusions of country rock. The present face exhibits pegmatite separated by gneiss with pegmatite in the roof and reported in the floor. Added mica recovery in larger sizes, though sporadic, is encouraging for continuing work to the north. The operator was instructed to also conduct some exploration to the south from the head of the raise as soon as a blower is installed.

Considerable muck had been left in the drift floor from the last round pulled. The operator stated that this muck would be moved before another visit so that the pegmatite in the floor area could be observed.

L. E. Shirley

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

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

November 29, 1955

C

INTERIM REPORT

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, N. C.

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Raise work, which has been in progress from the main drift level, has been completed to the northwest for a distance of 37.5 feet. Drifting is in progress, and 20 feet have been driven due north. A total of 106.5 feet of drift and raise combined has been accomplished to date in pegmatite. Material encountered in last 9.5 feet of drift is pegmatite, with scattered inclusions of biotite gneiss, composed of feldspar, minor amounts of quartz, and added amounts of muscovite mica. Some of the mica examined appeared to be of good quality. The operator was advised to lessen blasting of the mica. Recommendations were made for continuing the drift to the north. Progress on this contract is satisfactory.

L. E. Shirley

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

S. C. Bergman

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

November 15, 1955

RECEIVED
NOV 25 1955

C

INTERIM REPORT

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, North Carolina

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Raising continues from the main adit level and is now at 47.5 feet. Thirty-seven feet have been driven N70°W, and 10.5 feet have been driven due north. Material encountered is feldspar with scattered quartz, accessory garnet, and occasional blocks of muscovite mica. The country rock is biotite gneiss and inclusions of this material are frequent. The work is following the inclination of the body and is altered to conform with the changes. Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague S. C. Bergman A. R. Taylor

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

November 1, 1955

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NOV 14 1955

9

P. O. Box 217
November 7, 1955

Memorandum

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

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

Subject: Monthly reports and vouchers

We are enclosing two copies each of the following monthly reports and vouchers:

Idm-E-835 — T. B. Vance
Docket No. DMEA-3813
4th payment - month of October
Amount $787.50

Idm-E-845 — Buchanan and Snyder
Docket No. DMEA-3821
3rd payment - month of October
Amount $930.00

Idm-E-849 — Thomas-Willis-Portner-Willis
Docket No. #3822
2nd payment - month of October
Amount $1012.50

Idm-F-863 — A. Ward
Docket No. DMEA-3856
2nd payment - month of October
Amount $1470.00

Idm-E-881 — Branch Mining Company
Docket No. DMEA-3926
1st payment - month of October
Starting Date: 10/17/55
Amount $180.00

Helen R. Miller

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

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED NOV - 9 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1955 Docket No. DMEA 3813 Contract No. Idm-E 835
Operator's Name T. B. VANCE Minerals Mica
Address PINTHIRA, N. C.
Contract Amount, $ 5,310.00 Government Participation: 75 % Amount, $ 3,982.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		60.00	60.00			
Crosscutting						
Drifting Feet	1050.	2485.00	3535.00			
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1050.00	2545.00	3595.00	1050.00	2545.00	3595.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 11-1-55 *Payee T. B. Vance

Per T B Vance Title Operator

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

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

(Instructions on reverse)

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

$ 787.50

Signature Helen R. Miller (Authorized Certifying Officer)

Date NOV 7 1955 Vou. No. 00

(See other side)

262.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 835 in accordance with the terms of the contract.

Signature [illegible] Title Mining Eng Date 11/24/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title EXECUTIVE OFFICER DMEA REGION V Date NOV 7 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED NOV - 5 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Oct. 1955 Docket No. DMEA 3813 Contract No. Idm-3 835
Operator's Name T. B. VANCE Minerals Mica
Address PIEDMONT, 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	Feet	1050.00	30'	3535.00	101	35.35.	150	5250.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	1			60.00	1	60.	1	60.00
Total Distributed Costs		1050.00		3595.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1050.00		3595.00				

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

Date ~~Nov~~ 11-1-55 Operator T. B. Vance

Per T B Vance Title Operator

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

(Instructions on reverse)

Remarks:

(For Government use only)

V. J. Lynch
Mining Eng.
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 REPORT OF PROGRESS

RECEIVED Nov -

T. B. VANCE
PINETREE, N. C.

DMEA 3815 MICA
CONTRACT NO. Idm-1 835

WORK ACCOMPLISHED MONTH OF OCTOBER WORK CONTINUED

Oct. 3 - Drilled & mucked morning shift, Shot, drilled afternoon, shot.

" 4 - Mucked, Visited by field team, told to pull north 30 degrees west, drilled and shot in afternoon.

" 5 - Mucked morning, extended air line and drilled afternoon, shot.

" 6 - Mucked out clean, pegmatite shows some small mica. Drilled.

" 7 - Drilled, shot and mucked.

" 10 - Cleaned out mine, drilled 7 rounds, shot.

" 11 - Mucked, adjusted Air Compressor, drilled.

" 12 - Drilled and shot, mucked out afternoon.

" 13 - Drilled shot and mucked.

" 14 - Extended water line and drilled and shot.

" 17 - Mucked mine out clean, pegmatite changed. Drilled into slate.

" 18- Visited by Field Team, told to drive north. Mucked-

" 19 - Drilled through slate back into pegmatite, shot and mucked.

" 20 - Mucked and drilled and shot.

" 21 - Mucked, drilled and shot one round.

" 24 - Mucked, extended water line and air line, drilled. Pegmatite contains small mica.

" 25 - Drilled, shot and mucked

" 26 - Mucked, found small books of mica in muck. Drilled.

" 27 - Drilled, shot and mucked.

" 28 - Drilled, shot and mucked.

" 31 - Mucked Mine out clean.

RECEIVED
OCT 27 1955

INTERIM REPORT

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, North Carolina

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Drifting continues in a N70°W direction from the main adit, and 85 feet of total drift has been completed to date. Material encountered is pegmatite composed of feldspar, scattered quartz, small blocks of muscovite mica, and an occasional inclusion of biotite gneiss. Mica recovery has not increased and remains scant. About 100 pounds of fair quality mica has been recovered in the last 10 feet of drift. The operator was advised to continue the drift in the present direction until another visit can be made. Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague

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

October 18, 1955

RECEIVED
OCT 17 1955

INTERIM REPORT

DMFA-3812, Idn-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, N. C.

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Drifting continues on this contract from a point along the northwest wall in the main adit, and all drift work totals 68 feet. From the new location, the drift has been driven 19 feet in a N70°W direction. Material encountered consists of pegmatite, primarily feldspathic, and scattered inclusions of wallrock, a biotite gneiss. Very little mica has been produced to date from total driftwork completed. The operator was advised to continue drifting to the northwest, raising the floor gradually and following the body up dip. Recent progress on this contract is satisfactory.

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

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

October 5, 1955

Mr Hoopes
Mr Hopkins

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

25

Month of September, 1955 Docket No. DMEA 3[illegible] Contract No. 835
Operator's Name T. R. Vance Minerals Mica
Address Plantrac, N.C.
Contract Amount, $ 5,310.00 Government Participation: 75% Amount, $ 3,982.50

RECEIVED OCT 7 - 1955

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		60.00	60.00			
Crosscutting						
Drifting	700.00	1785.00	2485.00			
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	700.00	1845.00	2545.00	700.00	1845.00	2545.00

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

Date Oct. 1, 1955 Payee T. R. Vance

Per T R Vance Title Operator

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

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

(Instructions on reverse)

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

$ 525.00

Signature Helen R. Muller
(Authorized Certifying Officer)

Date OCT 5 1955 Vou. No. 67

(See other side)

1750.00

(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. E835 in accordance with the terms of the contract.

Signature V. J. Lynch Title Mining Eng. Date 10/3/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert T. A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date OCT 3 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 7 - 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1955 Docket No. DMEA 3813 Contract No. 030
Operator's Name T. B. Vance Minerals Mica
Address Plumtree, 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	Foot	700.00	20	2485.00	71	2485.	150	5250.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	1			60.00	1	60.0	1	60.00
TOTAL DISTRIBUTED COSTS		700.00		2545.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		700.00		2545.00				

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

Date Oct. 1, 1955 Operator T. B. Vance

Per T B Vance Title Operator

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

(Instructions on reverse)

REMARKS:

(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

September Monthly Report of Progress DMEA 3813 Mica
Contract No. 885

T. B. Vance, Plumtree, N. C.

RECEIVED
OCT 7 - 1955

Work accomplished

Due to a change over in labor did not operate the first half of month.

Sept. 19 Drilled morning, shot and mucked out, drilled afternoon.

" 20 Visited by field Team, mucked out clean, drilled and mucked.

" 21 Drilled morning shift, mucked and worked on air line.

" 22 Equipped mine with new drill, stool, hose and jack-log, drilled and mucked morning shift, drilled and mucked afternoon shift.

" 23 Mucked out and drilled.

" 26 Drilled, shot and mucked.

" 27 Drilled morning shift, shot, mucked and drilled afternoon, shot.

" 28 Mucked and drilled morning, mucked afternoon.

" 29 Drilled, shot, and mucked. Drilled afternoon. Shot.

" 30 Mucked and drilled, shot, mucked, drilled and shot afternoon.

INTERIM REPORT

DMEA-3813, Idn-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, North Carolina

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Drifting continues to the northwest on this contract, and now totals 52 feet. An advance of 3 feet has been made at this new location on the northwest wall of the previous drift. Material encountered consists of pegmatite separated by 3 feet of wall rock in the center of the face. The body is primarily feldspathic, but contains some scattered blocks of mica. The operator was advised to continue the drift in a N60°W direction until another visit can be made. Recent progress has been hampered because a new mining crew had to be hired.

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

L. E. Shirley

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

K. H. Teague

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

September 20, 1955

RECEIVED
SEP 16 1955

INTERIM REPORT

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, North Carolina

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery County, North Carolina

Drifting continues on this contract, and work in new ground now totals 49 feet. Recent drift advance to the southwest has been in fine-grained pegmatite, barren of mica. The operator was advised to start driving a drift in a N60°W direction at a point on the northwest wall 32 feet back from the present face. At this point, the pegmatite is considerably coarser, and most of the mica produced from previous work came from this general area. Another visit to the mine will be made in the near future to ascertain whether additional exploration is justified.

L. E. Shirley

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

Kepton H. Teague

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

SEP 6 1955
1955

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

Budget Bureau No. 42-R1036.5

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

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 18

RECEIVED SEP - 9 1955

Month of August 1955 Docket No. DMEA 3813 Contract No. 835
Operator's Name T. B. Vance Minerals Mica
Address Washington, N. C.
Contract Amount, $ 5,310.00 Government Participation: 75 % Amount, $ 3,982.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	—	60.00	60.00			
Bulldozing						
Crosscutting						
Drifting	1,085.00	700.00	1,785.00			
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,085.00	760.00	1,845.00	1085.00	760.00	1845.00

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

Date 9-2-55 *Payee T. B. Vance

Per T B Vance Title Operator

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

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

(Instructions on reverse)

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

$ 813.75

Signature Helen R. Miller
(Authorized Certifying Officer)

Date SEP 7 1955 Vou. No. 48

(See other side)

271.25

(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. Idm E835 in accordance with the terms of the contract.

Signature Henry H. Amos Title Geologist-USGS Date Sept. 6, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date SEP 6 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP - 9 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 5 1955 Docket No. DMEA 3813 Contract No. 635
Operator's Name T. B. VANCE Minerals MICA
Address KINGS, 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	Feet	1085.00	31	1,785.00	51'	35.00 ~~1785.00~~	150	35.00 ~~5250.00~~
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Prospecting Trails				60.00	1	60.00	1	60.00
Total Distributed Costs		1085.00		1,845.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1085.00		1,845.00				

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 9-2-55 Operator T. B. Vance

Per T B Vance Title Operator

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

Remarks:

(Instructions on reverse)

(For Government use only) Henry H. Amos
Geologist, USGS
Sept. 6, 1955

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

DPA NO. 2813

E-5 835

RECEIVED
SEP - 9 1935

Month of August

Work Accomplished

August 1- Morning worked on water line. Drilled in slate, exposed some pegmatite in bottom.
2- Mucked out, drilled in afternoon and shot.
3- Mucked out, exposed 2' vein in bottom.
4- Drilled, shot mucked out. Got 10 pounds small block mica.
5- Mucked out, drilled, shot.

6- Drilled all day, shot and exposed more vein in bottom.
9- Inspected by Field Men. They thought mine looked better.
10- Mucked out, Drilled fouled up, worked only 2 hours, set back up.
11- Mucked and drilled. Shot.
12- Drilled and exposed more vein. Slate all disappeared except on north side. Slate 2' thick on north side.

15- Mucked out drilled, shot
16- Mucked out, extended air line.
17- Drilled 2 rounds, shot, mucked.
18- Mucked morning shift. Drilled afternoon shift. Shot.
19- Worked 1 hour on machinery, mucked.

22- Drilled, pegmatite looked much better for mica.
23- Mucked Morning, drilled and visited by Field Men in afternoon.
24- Mucked and drilled.
25- Worked on Air Compressor, drilled in afternoon and shot.
26- Mucked out and drilled.

29- Mucked out, drilled, shot. Pegmatite showing all over head of tunnel.
30- Mucked out morning, drilled and shot in afternoon.
31- Laid more air line, mucked and drilled one round.

INTERIM REPORT

RECEIVED
SEP - 2 1955

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, N. C.

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Drifting continues on this contract and is now at 41 feet. The adit has been driven in a S65°W direction in pegmatite material composed of fine- to coarse-grained feldspar, scattered quartz, garnet, and occasional blocks of muscovite mica. The operator was directed to make a slight turn from the original direction in order to work in coarser pegmatite.

Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

August 23, 1955

INTERIM REPORT

DMEA-3813, ldm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, N. C.

LOCATION: On the nose and the southeast flank of a spur of Double-head Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N.C.

Drifting continues to the southwest on this contract and is now at 26 feet. About 8 feet of pegmatite is exposed vertically in the present face, which contacts biotite gneiss in the roof. The body is predominantly feldspathic and contains scattered blocks of mica, which were observed along the drift walls associated with quartz, and considerable garnet and sericite as accessory minerals. The operator was advised to continue drifting in the present direction until another visit can be made.

Considerable muck now in the drift will be moved as soon as a track and mine car can be installed. Progress on this contract is satisfactory.

L. E. Shirley

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

RECEIVED
AUG 2 1955

K. H. Teague D. H. Amos

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

August 9, 1955

MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED 8
AUG - 5 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1955 Docket No. DMEA 3813 Contract No. 835
Operator's Name T. B. Vance Minerals Mica
Address Flintree, North Carolina
Contract Amount, $ 6,310.00 Government Participation: 75 % Amount, $ 3,932.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing	60.00	0	60.00			
Crosscutting						
Drifting	700.00	0	700.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	760.00	0	760.00	760.00		760.00

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

Date 8-1-55 *Payee T. B. Vance

Per T. B. Vance Title Operator

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

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

(Instructions on reverse)

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

$570.00

Signature Helen R. Mellin
(Authorized Certifying Officer)

Date AUG 8 1955 Vou. No.
(See other side)

190.00

(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. E835 in accordance with the terms of the contract.

Signature Kepton H. Teague Title Geologist, U.S.G.S. Date 8/2/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date AUG 2 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]F-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1955 Docket No. DMEA 3813 Contract No. ~~832~~ 835
Operator's Name T. B. Vance Minerals Mica
Address Plumtree, North Carolina

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	700.00	20'	700.00	~~700.00~~ 20'	700.00	150	5250.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	1	60.00	1	60.00	1	60.00	1	60.00
TOTAL DISTRIBUTED COSTS		760.00		760.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		760.00		760.00				

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

Date 8-1-55 Operator T.B. Vance

Per T. B. Vance Title Operator

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

(Instructions on reverse)

REMARKS:

(For Government use only) Kepton H. Teague, Geologist

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

DFA No. 3113

EMB 835

RECEIVED
AUG - 5 1955

Month of July

Date work began July 7, 1955

Work accomplished

July 7- Moved machinery to the mine

6- Drilled ~~mtx~~ slate at entrance of mine.

9- Bulldozed 10 hours at entrance to mine and on road.

10- Drilled balance of slate at entrance of mine and mucked out.

12- Not able to work because of heavy rain.

13- Began to drill in head of mine.

14- Drilled two rounds and mucked out.

15- Drilled all morning, blasted and mucked afternoon.

16- Mucked morning and drilled evening.

19- Extend air & water line, mucked.

20- Drilled one round, mucked afternoon.

21- Drilled morning shift-some small block mica showing.

22- Mucked morning and drilled afternoon.

25- Worked on air line, mucked out -clean-.

26- Drilled morning, blasted and shoved one block mica, mucked out.

27- Mucked out morning, moved air-compressor, Visited by Shield Men.

28- Drilled two rounds.

29- Mucked out, extended air & water line.

H

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

RECEIVED
AUG - 1 1955

July 29, 1955

Memorandum

To: Helen Miller, Asst Administrative Officer, DMEA -Region V

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty payment - Idm-E495, DMEA-2793, Burns & Spangler, N. C. Lee Cornwell Mine (mica)

Transmitted is a bill of sales in the amount of $270.48, and a check for 5% royalty in the amount of $13.52 to be credited to the subject contract.

Robert A. Laurence

dorf

v. 70.48
5-010
13.5-240

Copy

GENERAL SERVICES ADMINISTRATION, REGION IV
MICA PURCHASE DEPOT, Spruce Pine, N. C.

Authorization No. EPS-4-1544A Acceptance No. AP4-1750 Date: 3-21-55

Seller: Burns & Spangler Const Co.
600 Peach St, Shelby, N.C

Mine: Lee Cornwell

DMEA No. 2793, Idm-E495

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb	Amount
Good Stained & Better Grades No. 3 & larger				.03	$70.00	2.10
No. 4 and 5				3.05	$40.00	122.00
No. 5½ and 6				8.28	$15.00	124.20
Stained No.3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00		.76	$ 8.00	6.08
No. 5½ and 6		$ 3.00		3.22	$ 5.00	16.10
Heavy Stained No. 3 & larger		$ 8.00			$13.00	
No. 4 and 5		$ 4.00			$ 6.00	
No. 5½ and 6		$ 2.00			$ 3.00	
LOT TOTALS		//////			//////	
TOTAL		/////		15.34	/////	270.48

RECEIVED
AUG - 8 1955

INTERIM REPORT

DMEA-3813, Idm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, N. C.

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

Drifting is underway to the southwest on this contract and is now at 17 feet. Material encountered to date is feldspathic pegmatite containing small blocks of mica. The lower 3 feet of the present face is biotite gneiss, and the upper section extending into the roof is pegmatite, which is 4 to 5 feet in thickness. The operator was advised to continue driving in the same general direction until another visit can be made. There has been only scant mica production from drift work performed, and no mica was observed on hand. Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

July 27, 1955

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

July 14, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Signed Contract: DMEA-3813, Idm-E835 (mica) T. B. Vance, Plumtree, North Carolina. Shuffle Vance Mine, Avery County.

Transmitted are the Government, Division and Docket copies of the subject contract signed by Mr. Vance. The distribution of the other copies has been made by this office.

Mr. Vance began work immediately after signing the contract.

V. J. Lynch

V. J. Lynch

RECEIVED
JUL 25 1955

INTERIM REPORT

DMEA-3813 Idm-E835 (mica) SHUFFLE VANCE MINE

OPERATOR: T. B. Vance, Plumtree, N. C.

LOCATION: On the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N61°W of Plumtree, Avery Co., N. C.

The starting date on this contract is July 6, 1955. Removal of muck from the adit portal has been completed. Rehabilitation of the adit, including necessary timber work, will be completed within the current week, and drifting will commence. Another visit will be made in the near future.

The foreman was advised to scale loose rock at the portal and in roof areas before shooting begins.

Mr. R. A. Laurence, Executive Officer of DMEA, Region V, accompanied the examiners on this visit to the mine.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

July 13, 1955

Docket File
Surname:

Hopkins
Houk
Chamberlin
Jefferson
Mattheeley

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

JUN 30 1955

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

Subject: Docket No. DMEA-3813 - Miss T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina

Dear Mr. Laurence:

Please find herewith the original and five copies of a contract covering the subject exploration project which have been signed by the Government with register number and effective date as shown.

If the contract meets with your approval present it to the Operator for his approval and signature. Please explain to the Operator that the contract, when executed, is a firm commitment under the terms of which he is obligated to complete the work outlined at the agreed unit cost. If any part of this contract does not have either your approval or that of the Operator and cannot be amended within your delegated authority, then the original and all copies of the contract are to be returned to this office, together with the proposed changes for consideration.

After execution of the contract, the copies are to be distributed in the usual manner. Copies of memoranda from W. F. Dietrich of the Bureau of Mines, dated June 27, 1955, and from N. E. Nelson of the Geological Survey, dated June 23, 1955, are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Approved:

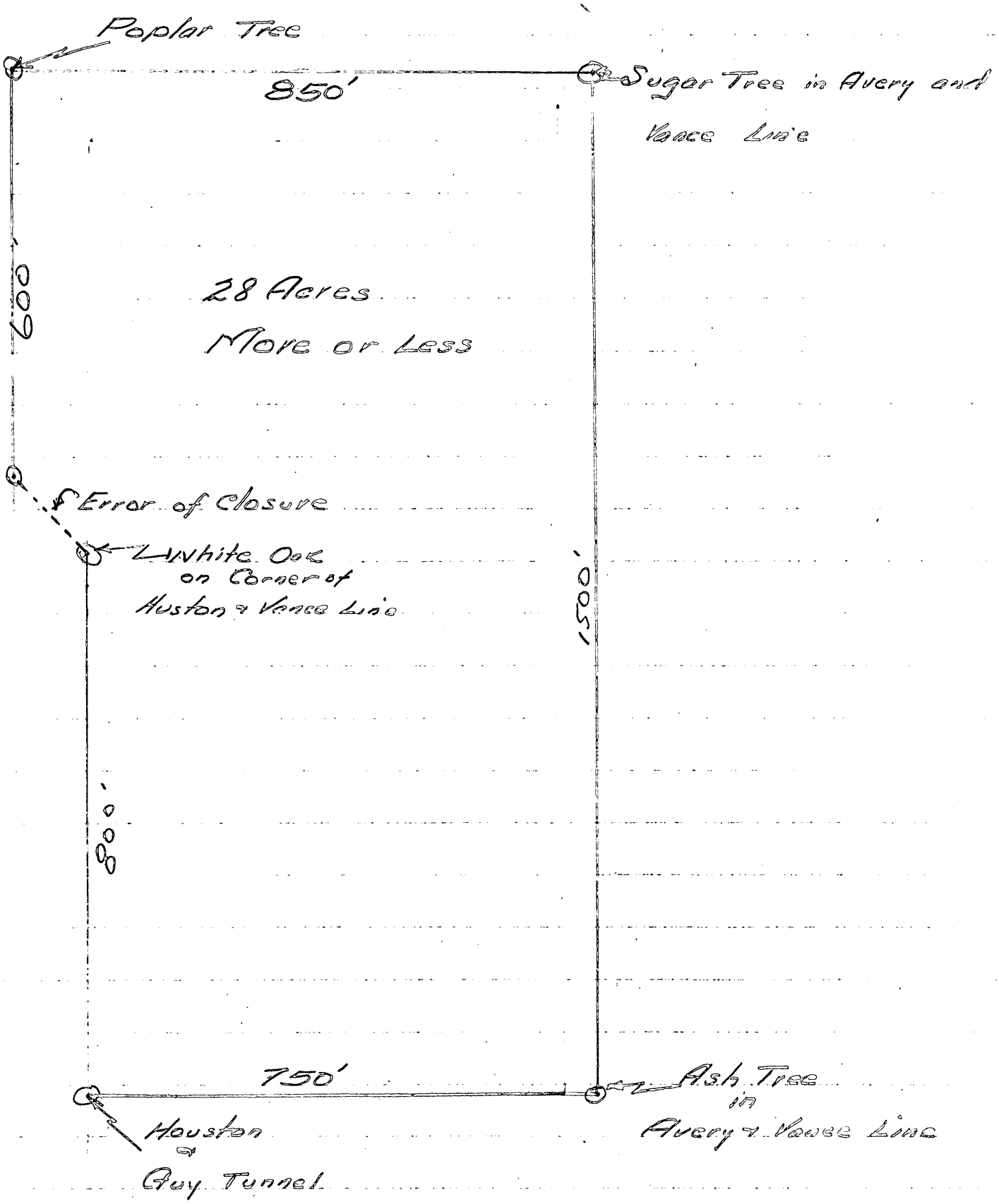
J. H. Hedges (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

JHopkins:pk 6/29/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Enclosures 10

Plot of Shuffle Vance property.
DMEA-3813



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

RECEIVED
JUN 28 1955

June 27, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 3813 (mica)

Applicant: T. B. Vance

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

Date of Field Team Report: June 13, 1955

Date Rec'd by Br. of Ceramic & Fertilizer Materials: June 23, 1955

Field Team Recommendation: Exploration program at a cost of $5,310

Comments:

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

2. 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 field team's recommendations.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
JUN 24 1955

June 23, 1955

Re: DMEA-3813
T. B. Vance
Shuffle Vance Mine
Avery Co., N. C.

Memorandum

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

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

Subject: Review of Field Team report

Low dipping structures are difficult to map in plan. In this case, judging by the sketch map, the outer pegmatite west of the southeast pit should be explored by stripping (and mined) for some distance down dip by open cut methods, since with the slopes shown and the 20° dip, the pegmatite is just under cover. If such stripping is possible, the drifting is not immediately necessary and could await the completion of a stripping stage.

Perhaps conditions are not as they appear on the sketch map and in case they are somewhat as given in the text of the report, I concur with the recommendations of the Field Team.

N. E. Nelson

N. E. Nelson

Memorandum

To: Files

From: James Hopkins

Subject: Evaluation of Application and Field Team Report.

Docket No. DMEA 3813

J. B. Vance, Plumtree, North Carolina

Sheffield-Vance Mica, Avery County, N.C.

This is an old mine which has been worked at various intervals over a considerable period of time although there are no reports on it

Mica:

The mica is hard, flat, relatively large, ruby colored and free splitting. A small percentage is slightly stained by a brown mottling.

Three mica shoots have been mined from this (Outer) pegmatite over a strike length of about 120 feet. Apparently these three mica concentrations were in the thicker portions of the pegmatite. These rake parallel to the dip.

Pegmatite:

Several overlapping pegmatites occur at this place. All have irregular trends. All are generally conformable to mica gneiss wall rock altho locally they are crosscutting.

The outer pegmatite is the only one

of

which has produced any appreciable mica. This pegmatite is from 3 to 10 feet thick. It pinches and swells along both strike and dip. Plagioclase is the dominant mineral with lesser amounts of perthite and quartz.

Old Workings:

Present workings consist of two large open cuts from which inclines, drifts and raises have been driven. The northeastern open cut and inclines from it have been made for feldspar whereas the other cut has been made for the recovery of book muscovite. Numerous caved and filled openings have been covered by dump material.

Method of Exploring:

The method of driving tunnel on the Outer pegmatite as proposed by the applicant and concurred in by the Field Team appears to be sound exploration work. All work - tunnel and raises - will be in pegmatite. The tunnel is now 65 feet long.

The target will be an area southwest and west of the area mined where the Field Team states, "There is no reason why other mica shoots should not be present."

Economics:

The applicant has sold approximately $14,000.00 worth of mica from the shoot mined from the cut in the last three years. There is no record of quantity of material moved so that the relation between footage returned and dollar values returned can not be estimated.

Remarks:

All evidence points to the project being worthwhile and the property warranting the exploration work recommended by the Field Team

Docket File
Surname:

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

JUN 16 1955

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

Subject: Docket No. DMEA-3813 - Mica
T. B. Vance
Shuffle Vance 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 from N. E. Nelson of the Geological Survey, dated May 19, 1955, and from W. F. Dietrich of the Bureau of Mines, dated May 19, 1955, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Approved:

J. H. Hedges (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

Enclosures 4

Mr. J. Hopkins:pk 6/13/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

R.C.L.

Docket File
Surname:
Hopkins
Houk
Kilsgaard
Hedges
Selbridge
F E Johnson

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

JUN 16 1955

Mr. T. B. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3813 - Mica
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina

Dear Mr. Vance:

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

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

Sincerely yours,

Frank E. Johnson

ACTING Administrator

JHopkins:pk 6/13/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V (2)
Mr. Dietrich, 3061
Mr. Kilsgaard, 5222
Mr. Houk

R.C.H.

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

June 13, 1955

RECEIVED
JUN 15 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Report, DMEA-3813 (mica) T. B. Vance, Plumtree, N. C. Shuffle Vance Mine, Avery County, N. C.

Enclosed are four copies of the subject examination report and six extra copies of the sketch map.

We recommend approval of a unit-cost contract, as outlined in the report. The second item under estimated costs should be "Drift and/or raise" instead of "drift or raise", if a contract is prepared.

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

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

Reviewed by
DMEA OPERATING COMMITTEE
6-20-55
(date)

ON-SITE Report

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
JUN 15 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT BY FIELD TEAM

REGION V

On

DMEA-3813, (mica) SHUFFLE VANCE MINE
Avery County, North Carolina

BY

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

June 1, 1955

Approved by
DMEA OPERATING COMMITTEE
6-20-55
(Date)

FIELD EXAMINATION REPORT
On

DMEA-3613 (mica) SHUFFLE VANCE MINE

Applicant: T. B. Vance, Plumtree, North Carolina

This is an old mine which has been worked at various intervals over a considerable period of time, although there are no reports on it. Both mica and feldspar have been produced. It appears that several overlapping pegmatites occur at this place, the outer one being the only one that contains worthwhile mica. Three mica shoots have been mined previously. Each appear to have had considerable length down dip and are reported to have been relatively rich in book mica of strategic quality. Additional "mica shoots" should occur southwest of those previously mined as the pegmatite persists in that direction. The Examiners recommend that an existing adit be lengthened to the southwest to explore for additional mica concentrations in that direction.

The deposit was examined on June 1, 1955. Messrs. T. B. Vance, and Joe Vance accompanied the examiners on the inspection which required three hours.

T he Shuffle Vance (Red) Mine is on the nose and the southeast flank of a spur of Doublehead Mountain, 1 airline mile N. 61° W. of Plumtree, Avery County, North Carolina. Access is possible at all times by jeep over two miles of narrow, steep mountain road.

The applicant is competent to conduct the proposed work. The examiners have not seen the amended legal description of the area covered by the application; however, the corners were pointed out by the applicant and one corner is shown in the northwest part of the attached sketch map. The area is adequate for the proposed project. Surface facilities on the property are adequate for the proposed work. Storage and magazine facilities are present.

Present workings on the deposit consist of two large open cuts from which inclines, drifts and raises have been driven. The northwestern open cut and inclines from it have been made for feldspar, whereas the other cut has been made for the recovery of book muscovite. The ground east of the southeast cut has been moved and most of the mica-bearing pegmatite removed from it. Numerous caved and filled openings have been covered by dump material.

Several overlapping pegmatites occur at this place. They appear to have an irregular trend. In the western part they strike to the northwest; in the central part, east-west; and in the eastern part, to the northeast. Dips are to the southwest, south, and southeast from 15° to 35°. All of the pegmatites are generally conformable to the mica gneiss wall rock, although locally, they are corsscutting.

Reviewed by
DMEA OPERATING COMMITTEE
6-20-55
(date)

The inner pegmatite is as much as 30 feet thick. It is poorly zoned, containing a core of coarse perthite which at some places is as much as 15 feet thick. On both contacts, a mixture of finer-grained pegmatite occurs which contains perthite, plagioclase, and scattered small mica. No work is warranted on this pegmatite.

The middle pegmatite is similar in character to the inner pegmatite; however, it is thinner and has not been extensively prospected. It does not appear to contain commercial mica, therefore, no work is recommended.

The outer pegmatite is the only one on the deposit which has produced any appreciable mica. It is 10 - 20 feet above the middle one and is very different in mineral composition, especially the ratio of various minerals. Plagioclase is the dominant mineral, with lesser amounts of perthite and quartz. Three mica shoots have been mined from this pegmatite over a strike length of about 120 feet. The two largest shoots were, one northeast and one southwest of the southeastern open cut. Also a smaller one was mined in the cut.

This pegmatite is from 3 to 10 feet thick. It pinches and swells along both strike and dip. Apparently the three mica concentrations located and mined to date were in the thicker portions of the pegmatite. These "shoots" appear to rake parallel to the dip.

The mica is hard, flat, relatively large, ruby colored, and free splitting. A small percentage is slightly stained by a brown mottling. The applicant has sold approximately $14,000 worth of mica from the shoot mined from the cut in the last three years.

The examiners believe that exploration assistance is warranted on the outer pegmatite. There is no reason why other mica shoots should not be present southwest and west of those previously mined. We believe that the most logical and economical approach to exploration for additional mica shoots is to continue the lowest adit, which is now 65 feet long, for an additional 150 feet on the strike. If this adit is continued on the strike it will probably curve to the west and northwest. If "mica shoots" are cut, short raises should be driven on them (not to exceed 15 feet).

Estimated Cost:

Clear muck from portal of adit Bulldozer (D-4 or equivalent), 6 hrs. @ $10/hr.	$60.00
Drive 150 feet of drift or raise (70 shifts)	
Labor:	
1 - Miners @ $1.50/hr.	$840.00
3 - Laborers @ $1.00/hr.	$1,680.00

Equipment (rental)

Compressor, drill and jackleg @ $230/mo,	$805.00	
Mine car @ $10.00/Mo.	35.00	

Supplies:

Explosives	500.00	
Gasoline and oil	225.00	
Drill steel	200.00	
Rail and pipe	225.00	
Small tools	150.00	
Miscellaneous	200.00	
Insurance and Social Security	390.00	$5,250.00
Estimated Total Cost of Project.....		$5,310.00

Examined: June 1, 1955

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

z

Suppliment as requested in letter dated May 26, 1955

Re: Docket No. DMEA-3813- Mica
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina

RECEIVED
JUN - 6 1955

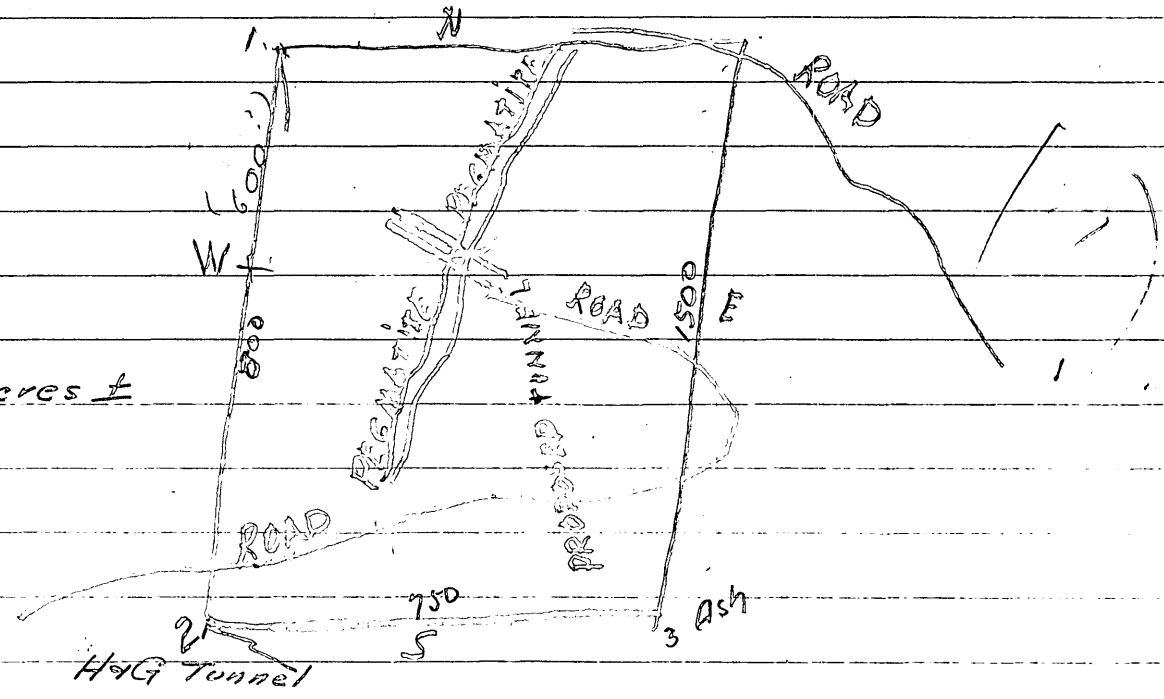
Plot of land to be covered by above exploration project:

Begining at a White Oak Tree on Corner of Houston & Vance line on west side of Doublehead Ridge and running south 800 feet to the mouth of Houston & Guy Tunnel, thence east 750 feet to an Ash Tree, thence north 1500 feet to a Sugar Tree in Avery & Vance line, thence west 850 feet to a Poplar Tree, thence south 600 feet to the begining, the said Shuffle Vance Mine Portal being nearly centrally located in the above described plot of land.

The proposed exploration work will consist:

Bulldozing Mouth of Tunnel- 6 hours work @ $10.00	$ 60.00
Cutting Tunnel through pegmatite 150 feet @ $35.00	5250.00
Total cost of proposed work	$5310.00

Sketch below of plot of land and proposed working.



DOCKET COPY
Surname:

Hopkins
Houk
Wattenberg

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

MAY 26 1955

Mr. T. B. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3813 - Mica
T. B. Vance
Shuffle Vance Mine
Avery County, North Carolina

Dear Mr. Vance:

Reference is made to your application dated May 10, 1955, for exploration assistance at the Shuffle Vance Mine.

It is noted that the area of land where you propose to explore for mica comprises approximately two acres. This acreage is inadequate for an exploration project. The smallest area acceptable to DMEA would be the area benefited by the exploration work, the minimum being five acres.

If you will increase the acreage to our minimum requirements, please advise us in writing and submit an adequate legal description referenced to a permanent landmark. You have stated that your proposed work will consist of bulldozing (surface and open cut) and driving a tunnel. Please give us in detail the extent of the bulldozing work and length of proposed tunnel together with costs of each.

Upon receipt of the above information we will continue processing your application.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

JHopkins:ad 5/25/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

RCR.

Mr. Hopkins

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

May 19, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3813 (mica)

Applicant: T. B. Vance

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

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 5-18-55

Comments:

1. The applicant reports that several hundred pounds of mica was produced from a shaft sunk 30 or 40 years ago, and that recent trenching has exposed a pegmatite that justifies further exploration.

2. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

Hopkins

IN REPLY REFER TO:

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

May 19, 1955

Re: DMEA-3813
T. B. Vance
Shuffle Vance Mine
Plumtree, N. C.
$4,000 - Mica

Memorandum

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

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

Subject: Review of application

We are not told so but this prospect may be near that of Joe C. Vance, DMEA-3811. At any rate the area, rich in mica-bearing pegmatite, needs judging by the Field Team and such is here recommended.

N. E. Nelson

N. E. Nelson

May 18, 1955

Subject: DMEA-3813
Re: Exploration Assistance
Shuffle Vance Mine

Mr. T.B. Vance
Plumtree, North Carolina

Dear Sir:

The receipt of your application dated May 10, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3813 and referred to the Non-Metallic Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

May 18, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region V

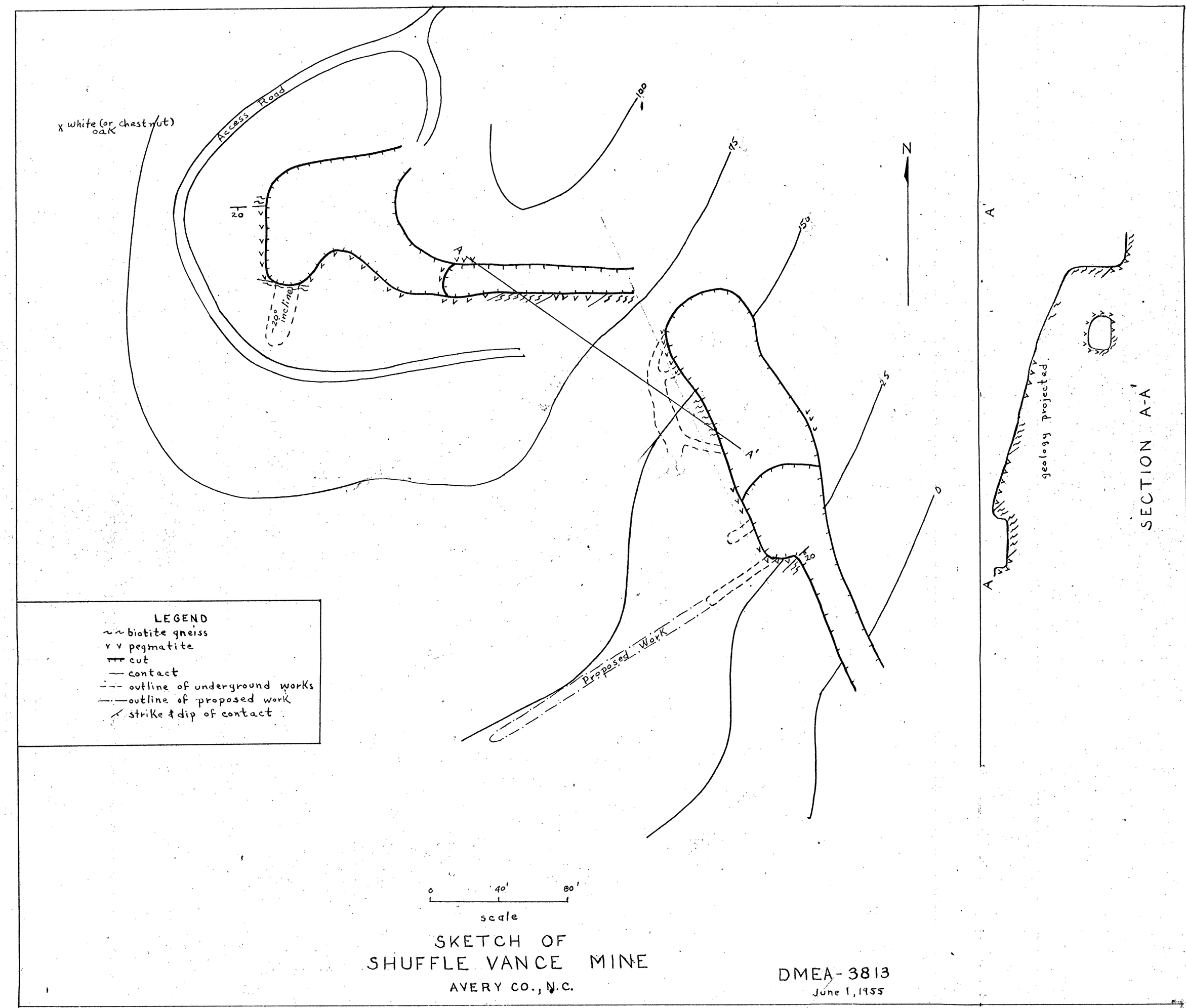
From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region

DMEA-3813 T.B. Vance

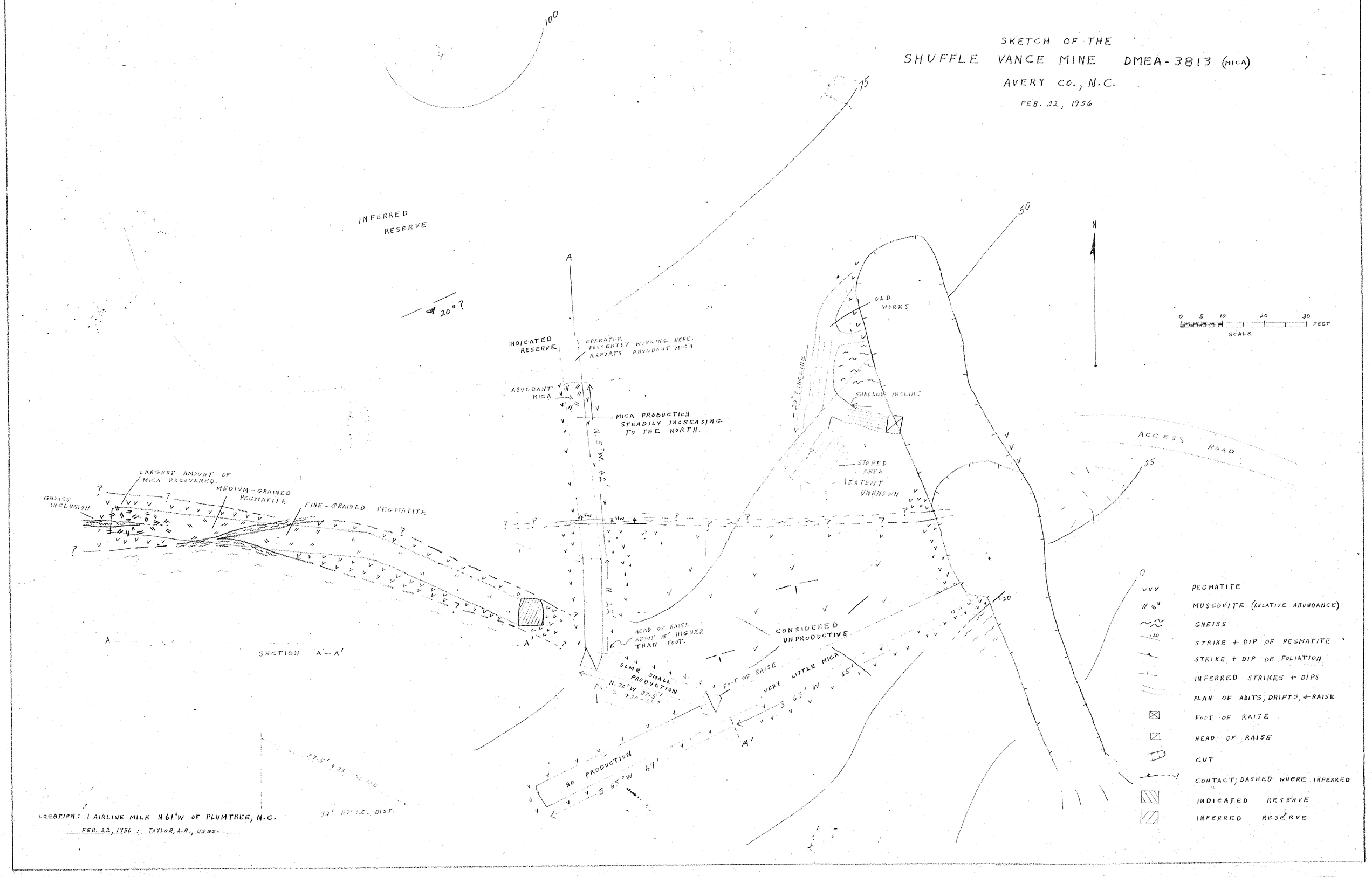
Robert E. Adams,
Chief, Operation's Control
and Statistics Division



SKETCH OF
SHUFFLE VANCE MINE
AVERY CO., N.C.

DMEA-3813
June 1, 1955

SKETCH OF THE
SHUFFLE VANCE MINE DMEA-3813 (MICA)
AVERY CO., N.C.
FEB. 22, 1956



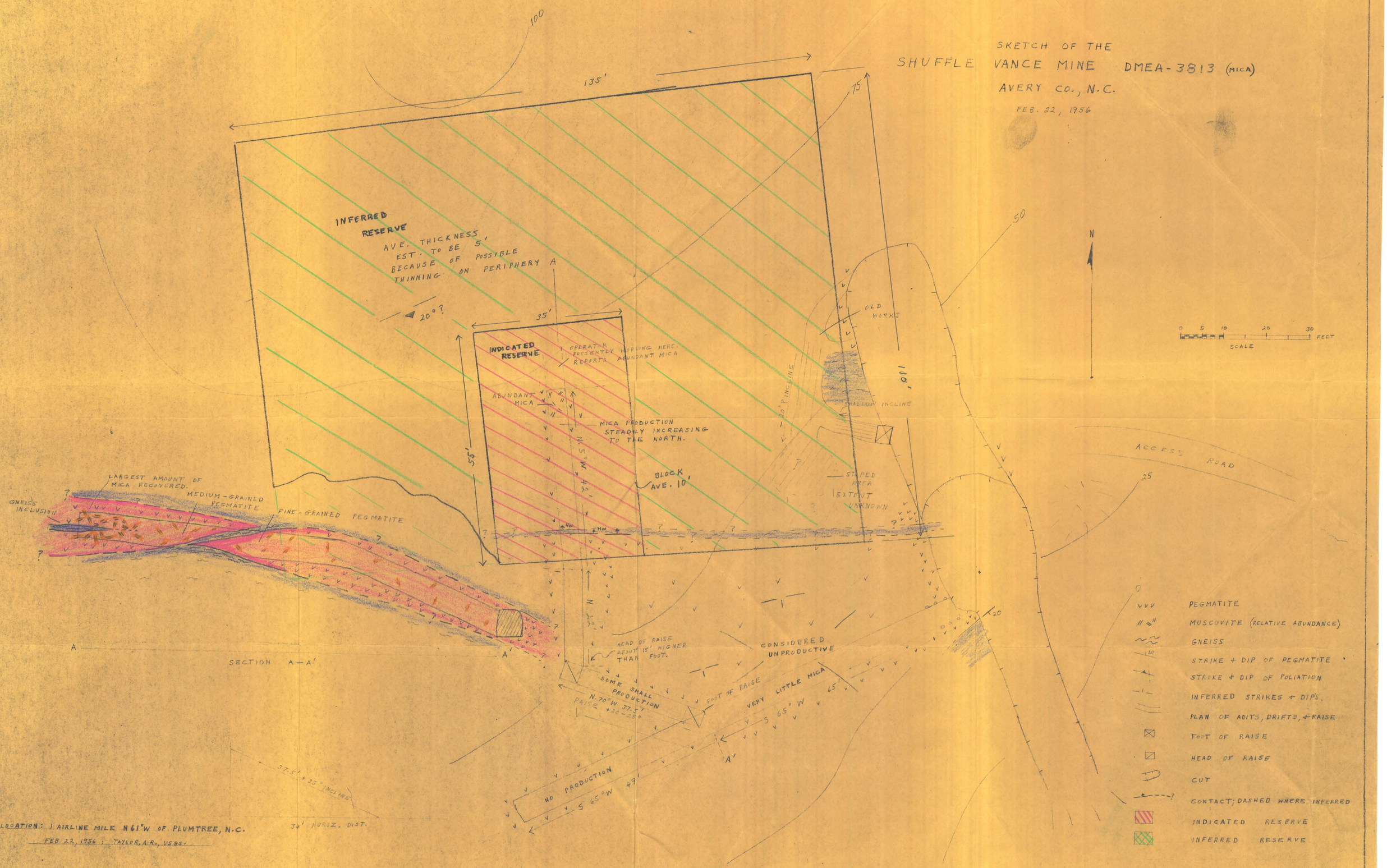
LOCATION: 1 AIRLINE MILE N 61°W OF PLUMTREE, N.C.
FEB. 22, 1956 : TAYLOR, A.R., USGS.

SKETCH OF THE

SHUFFLE VANCE MINE DMEA-3813 (MICA)

AVERY CO., N.C.

FEB. 22, 1956



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