☑ Audited Sept 2, 54 WORK ANALYSIS SHEET - DMEA PROJECT ☐ Actual Cost

☐ Certified Analysis as of 12/1/54 ☑ Agreed Unit Costs

Incl. Voucher for

Name Sam K. Vance & Sam H. Odom d/b/a Vance & Odom Mining Co. Docket No. 3222

State N.C Commodity Mica Idn-E No. 663

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	150	$5250	136	$4760	$4760.00
Raising					
Shafts					
Winzes					
Drilling (Specify)					
Surface Excavation Trench		540		$540	$540
Underground Excavation					
Roads and Trails		$200		$200	$200
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc. (3)		$275		$275	$275
Other (Specify)					
Totals		$6265.00		$5775.00	5775.00

Prepared by L. G. H.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Sam K. Vance and Sam H. Odom
d/b/a Vance & Odom Mining Co.
Plumtree, North Carolina

pertaining to Exploration Project Contract No. Idm-E663, Docket No. DMEA-3222, for the months of April 1954 to June 1954, inclusive, covering a project for the exploration of mica on property, known as the Gardner Prospect, 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 reports of Field Team representatives, and a determination of the reasonableness and propriety of the costs.

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

all of the costs incurred were under a contract provision for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor:		$5,775.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$5,775.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Four thousand three hundred thirty-one and 25/100 Dollars,

$4,331.25

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

E. D. Talbert

E. D. Talbert, Auditor

September 2, 1954

Division Copy

TERMINATION AGREEMENT

It is agreed this 9th. day of August, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Vance and Odom Mining Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E663 (Docket No. DMEA-3222), dated March 12, 1954, hereinafter called the "Contract," that:

1. Effective July 1, 1954, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

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

3. Any work or operations prosecuted or costs incurred by the Operator beginning with said effective date, except as otherwise provided in this termination agreement, shall be for the sole account of the Operator without contribution by the Government.

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

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

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

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

THE UNITED STATES OF AMERICA

By W. A. Beck
Executive Officer, DMEA
Field Team, Region VII

VANCE AND ODOM
MINING COMPANY

By Sam W. Vance
ACTING

Sam W. Odom

Potter
Hoffland
Chamberlin
Hook

RECEIVED
AUG 18 1954
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

MF-200 (A)
(February 1952)

DOCKET NO. I[redacted]222

COMMODITY Mica

IDM - E 663
Division Copy

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 12 day of March, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Sam K. Vance and Sam H. Odom, doing business as Vance and Odom Mining Company Plumtree, North Carolina

hereinafter called the "Operator," as follows: and as set forth in Annexes I and II attached hereto and made a part hereof.

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Avery, described as ~~follows:~~ set forth in Annex I,

the Operator represents and undertakes:[4]

(*a*) [redacted]

(*b*) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within Sixty (60) days from the date of this contract shall commence work on a project of exploration for[5] Mica

in or upon the described land; and shall bring the project to completion within a period of Seven (7) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 75 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $4,695.75, which is 75 percent of $6,261.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or 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 ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon c[illegible]ion of the exploration work or termination o[illegible]he contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

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

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

See Annex II, substituted for Article 6

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided*, that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

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

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C. Mittendorf
Administrator, Defense Minerals Exploration Administration

VANCE AND COOM MINING COMPANY
(Operator)

By Samuel Vance (Partner)

By Sara H. Coom (Partner)

Witness: Hoffman, Shook, Chandler

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

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

EXPLORATION PROJECT CONTRACT
VANCE AND ODOM MINING COMPANY
DOCKET NO. DMEA-3222

ANNEX I

The land referred to in Article 2 of the cont form is known as the Gardner Mine (Prospect) and was leas for mining purposes to Sam K. Vance and Sam H. Odom, doing business as Vance and Odom Mining Company, for a period of ten years by D. T. Vance, by an instrument dated November 20, 1953, and recorded in Book No. 50, Page No. 25, official records of Avery County, North Carolina. It is located on the west side of a south-trending spur of Little Buck Hill 7,000 airline feet south of Plumtree, Avery County, North Carolina, and is bounded as follows:

"Beginning on 12" locust; thence N. 35° W. 225 feet to 24" chestnut oak; thence N. 30° E. 300 feet to 6" white oak; thence N. 72° E. 225 feet to 24" red oak; thence S. 40° E. 150 feet to a stake; thence S. 20° E. 150 feet to a stake; thence S. 55° W. 450 feet to the beginning, containing approximately 3-4/10 acres."

EXPLORATION PROJECT CONTRACT
V[illegible]CE AND ODOM MINING COMPAN[illegible]
DOCKET NO. DMEA-3222

Defense Minerals Administration
RECEIVED
MAR 29 1954

ANNEX II

The following provisions are in lieu of Article 6 :

Repayment by Operator.--a. Certification.--If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. Percentage royalty.--The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2,--(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 of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by this contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other amounts realized from the sale or other disposition of any such production (including any bonuses, premiums, allowances, or other benefits), in whatever form disposed of, including ore, concentrates, or metal, as follows:

(a) One and one-half ($1\frac{1}{2}$) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(b) One and one-half ($1\frac{1}{2}$) percent of any such net amounts, plus one-half ($\frac{1}{2}$) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half ($1\frac{1}{2}$) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half ($3\frac{1}{2}$) percent.)

c. Definitions.--As here used, "net smelter returns", "net concentrator returns", and "other amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

d. Lien for Payment.--To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

e. Notice to Purchasers.--The Operator shall notify any purchaser of the production of the Government's royalty interest, and shall authorize and direct the purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets; but failure or refusal by the purchaser to comply shall not relieve the Operator of liability to pay any royalty falling due.

f. No Obligation to Produce.--This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

EXPLORATION PROJECT CONTRACT
VANCE AND ODOM MINING COMPANY
DOCKET NO. DMEA-3222

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished in the area indicated on the attached map entitled "Sketch of Gardner Prospect, Avery Co., N. C., DMEA-3222 (mica)." The work shall be done in two stages, as follows:

Stage I

1. Brush cut approximately 2,500 feet of access road.

2. Cut a trench (with D-8 bulldozer or equivalent), 125 feet long and 30 feet wide, and having an uphill face not less than 15 feet.

Stage II

1. Construct: a toolhouse, 10 feet by 12 feet; a powder magazine, and an exploder magazine.

2. Drive 150 feet of incline and/or drift on the pegmatite, with a cross section of not less than 5 feet by 7 feet in the clear.

Stage II shall be undertaken only after prior approval of the Government. The location, inclination, direction, and extent of all work is subject to the approval of the Government.

Agreed Unit Costs

Brushing out 2,500 feet of access road 1/	$ 200.00
Cutting trench 1/	540.00
Constructing--Toolhouse 1/	200.00
Powder magazine 1/	50.00
Exploder magazine 1/	25.00

1/ The completed work constitutes the unit.

Driving 150 feet of inaline and/or drift @ $35.00/ft.	$5,250.00
Agreed Estimated Total Cost of Project	$6,265.00
Government Participation @ 75%	$4,698.75

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

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

Beginning on 12" locust;thence N. 35 degrees W 225 feet to 24" chestnut oak; thence N. 39 degrees E 300 feet to 6" white oak; thence N. 72 degrees East 225 feet to 24" red oak; thence S. 40 degrees E 150 feet to a stake; thence S. 55 degrees W. 450feet to the beginning, containing approximately 3-4/10 Acres

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

2/ ~~Exxxxxxxx~~ Sam K Vance and Sam H. Odom

OR Vance & Odom Mining Company

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production (as set forth on the reverse side hereof) and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof, there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom, until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions

Dated this 16 day of Mar, 195 4.

Sam K Vance [Seal]

E. C. Odom [Seal]

[Seal]

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

2/ Insert the name of the Operator as it will appear in the exploration project contract.

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

Repayment by Operator.--a. Certification.--If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. Percentage royalty.--The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2,--(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 of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by the contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, as follows:

(a) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(b) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

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

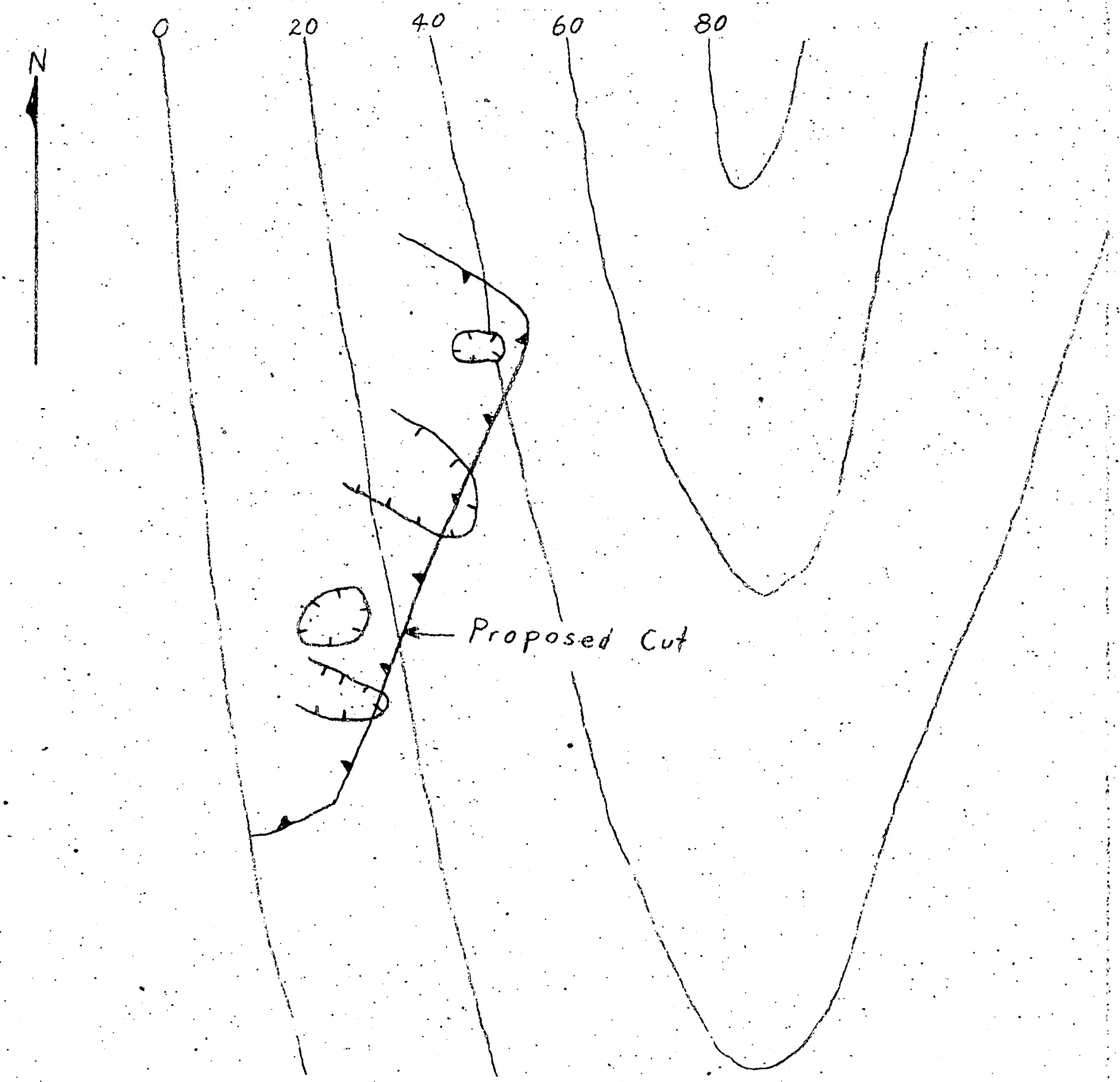
c. Definitions.--As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

d. Lien for Payment.--To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

e. Notice to Purchasers.--The Operator shall notify any purchaser of the production of the Government's royalty interest, and shall authorize and direct the purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets; but failure or refusal by the purchaser to comply shall not relieve the Operator of liability to pay any royalty falling due.

f. No Obligation to Produce.--This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Interior—Duplicating Section, Washington, D. C.



Sketch of
Gardner Prospect
Avery Co., N.C.

0 40' 80'
Scale

DMEA-3222 (mica)

Project Summary Report

By: James Hopkins September 23, 1954

1. Docket No. DMEA-3222 - Mica
Contract No. Idm-E663
Gardner Prospect
Avery County, North Carolina

Operator: Vance and Odom Mining Company
Plumtree, North Carolina

Operator's property rights:
Lease for ten years, dated November 20, 1953.
Owner's Consent to Lien, dated March 16, 1954.

2. Contract - dated March 12, 1954.

Work authorized:

Stage I:	
Brush out 2,500 ft. access road	$200.00
Bulldoze trench 125 ft. X 30 ft.	540.00
Total Stage I.	$740.00
Stage II:	
Construct tool house	$200.00
Construct Powder magazine	50.00
Construct Exploder magazine	25.00
Drive 150 ft. of incline and/or drift @ $35.00/ft.	5,250.00
Total cost of Stage II.	$5,525.00
Total cost of project	$6,265.00
Government participation @ 75%	$4,698.75

Amendments: None.

Work completed:

Access road	$200.00
Trenching	540.00
Tool house	200.00
Powder house	50.00
Exploder magazine	25.00
136 ft. drifts @ $35.00/ft.	4,760.00
Total	$5,775.00
Government participation @ 75%	$4,331.25

Work began April 1, 1954, and was completed on June 30, 1954. Field Team Final Report dated August 19, 1954. Operator's Final Report received August 20, 1954.

3. Audit: Report of Review, dated September 2, 1954 (no exceptions)
   Total accepted cost $5,775.00
   Government participation 75% 4,331.25

4. Certification of discovery: No issued. Contract was terminated by mutual agreement August 9, 1954.

5. Comments: Work was done efficiently and according to good mining practice.

   Operation - was good and narrative reports were adequate and satisfactory.

   Geological premise: The project was established to explore a pegmatite that had been previously worked and produced a good grade of mica. Dump material near old caved openings indicated that the mica had been obtained from a medium coarse pegmatite. The mica appeared to be of strategic quality and from the distribution of old works, the pegmatite might have been of considerable extent.

   Geological criteria on which work was based:
   1. Strategic quality mica found in dumps of old works.
   2. The pegmatite appeared to be enclosed in a soft weathered biotite gneiss and dipping at a low angle.

   Criteria developed during project:
   1. The three adits and open-cut disclosed a conformable pegmatite 1 - 12 feet thick which pinches and swells both along the strike and dip.
   2. The pegmatite and the country rock are partially weathered.
   3. The pegmatite showed no apparent zoning.

   Future possibilities: Very remote. Because the pegmatite yielded mica that was too small to be of any value for sheet. The value of mica produced during the exploration work was $222.76.

   Recommendations: The Nonmetallic Minerals Division concurs with the Field Team that a certification of discovery should not be issued nor is any additional exploratory work warranted. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the recommendation.

JHopkins:gad 9/23/54
Copy to: Admr. R. File
Mr. Houk

SEP 30 1954

600

Vance and Olen Mining Company
C/o Mr. Sam K. Vance
Plumtree, North Carolina

Re: Docket No. DMMA-3222 - Mica
Gardner Prospect
Avery County, North Carolina
Contract No. Im-3663

Gentlemen:

We are pleased to advise you that your performance of exploration work under the subject contract has been acceptable to the Government, and the account relating thereto has been closed. The final audit of the Contract Administration and Audit Division shows:

Total claimed for units of work performed	$5,775.00
Total Government contribution at 75 percent	$4,331.25

Your attention is called to the provision of the contract which requires you to keep and preserve your records and accounts of this transaction for a period of three years for possible future reference.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the exploration contract. In the absence of such certification, the Government retains no claim or lien against the property or royalty on any production made after the date of this letter.

The Government thanks you for your interest and participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Copy to: Mr. David T. Vance
Mr. E. C. Guy (Attached to Field Team copy for forwarding)
" " " " "

JHopkins:gad 9/23/54

Copy to: Admr. R. File
Docket
Field Team, Region VII
Mr. Chambers
Mr. Book
Mr. Killegaard, 5227
Mr. Dietrich, 3061

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

September 7, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting for Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3222 (mica)

Applicant: Vance and Odom Mining Company

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

Contract Number: Idm-E663

Date of Field Team Final Report: August 19, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: August 30, 1954

Field Team Recommendation:

1. No certification of discovery or development.

Comments:

1. Work which began April 1, 1954 and ended June 30 consisted of bulldozing and construction of three adits.

2. No significant quantity of strategic mica was recovered.

3. Expenditures -

Total approved	$6,265.00
Total cost	5,775.00
Gov't. share	4,331.25
Value during DMEA exploration	222.76

Recommendation

I concur in the field team's recommendation to deny certification.

Signed
Donald R. Irving

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

August 26, 1954

Memorandum

REVIEW OF FINAL FIELD TEAM REPORT ON APPLICATION DMFA-3222 (Mica)

To: L. G. Hook, Defense Minerals Exploration Administration
From: E. L. Newcomb, U. S. Geological Survey
Applicant: Vance & Odom Mining Company
Name of property: Gardner Mine
Location of property: 1.2 mi. S. of Plumtree, Avery Co., N. C.
Date of Field Team Report: August 19, 1954
Authorship of Field Team Report: R. L. Teague, D. H. Ames, and L. E. Shirley.
Field Team's recommendation: No certification of a discovery.
Comments: I concur with Field Team's recommendation.

E. L. Newcomb

ELNewcomb:hlm
G-8/26/54

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

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

August 19, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: DMEA-3222, Idm-E663 (mica) Final Report. Gardner Mine. Vance & Odom Mining Co. Plymtree, N. C.

Enclosed are four copies of the final report on the subject contract, which has been terminated by mutual consent.

We recommend that certification should not be issued.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/zm
cc:
Beck
Lynch
Files

Reviewed by
DMEA OPERATING COMMITTEE
8-27-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
ON

DMEA-3222, GARDNER MINE
Avery County, N. C.

(mica)

By

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

and

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

August 18, 1954

Reviewed by
DMEA OPERATING COMMITTEE
8-27-54
(date)

FINAL REPORT
On
DMEA-3222, GARDNER PROSPECT
Idm-E 663 (mica)

Operator: Vance & Odom Mining Company, Plumtree, North Carolina

The Gardner Prospect is on the west side of a south-trending spur of Little Buck Hill, 7,000 feet due south of Plumtree, Avery County, N.C.

Work completed under the contract consisted of constructing a toolhouse, two magazines, "brushing-out" an access road, bulldozing a trench 200' x 50' x 20' deep and driving 136 feet of adit. Most of the mica discovered was too small for sheet mica and was of inferior quality; thus, the contract was terminated by mutual agreement effective July 1, 1954. As no significant quantity of strategic mica was discovered, no certification of discovery should be issued nor is additional exploratory work warranted.

Work began April 1, 1954 and was completed June 30, 1954. About 2,500 feet of access road was "brushed-out"; a toolhouse, powder magazine and exploder magazine constructed; and a northwest-trending trench 200' x 30' x 20' deep on the uphill side was bulldozed. Three adits totalling 136 linear feet were driven in pegmatite from the uphill side of the cut and were timbered. They are (1) from near the center of the cut 29 feet in an N. 55° E. direction, (2) from 40 feet southeast of adit (1) 70 feet to the southeast, and (3) from 50 feet northwest of adit (1) 37 feet in a N. 45° E. direction.

A conformable pegmatite 1 - 12 feet thick which pinches and swells both along strike and dip is exposed in the cut and adits. Its attitude varies rapidly in short distances, but generally striking northwest and dipping at low angles both to the northeast and southwest. Both pegmatite and the country rock, biotite gneiss, are partially weathered. The pegmatite shows no apparant zoning and consists of perthite, quartz, plagioclase, muscovite and biotite.

Adit (1) was abandoned for safety reasons when the pegmatite started to climb steeply toward the surface. A minor amount of mica of strategic quality was recovered from this adit. In adit (2) the pegmatite thickened southeastward, being in excess of 7 feet thick the last 20 feet. As all of the mica discovered in this adit was too small to be of any value for sheet, further work was stopped by the field examiners. The body thins in adit (3) to the northeast being only about 1 foot thick in the head of the drift.

Reviewed by
DMEA OPERATING COMMITTEE
8-27-54
(date)

Expenditures:

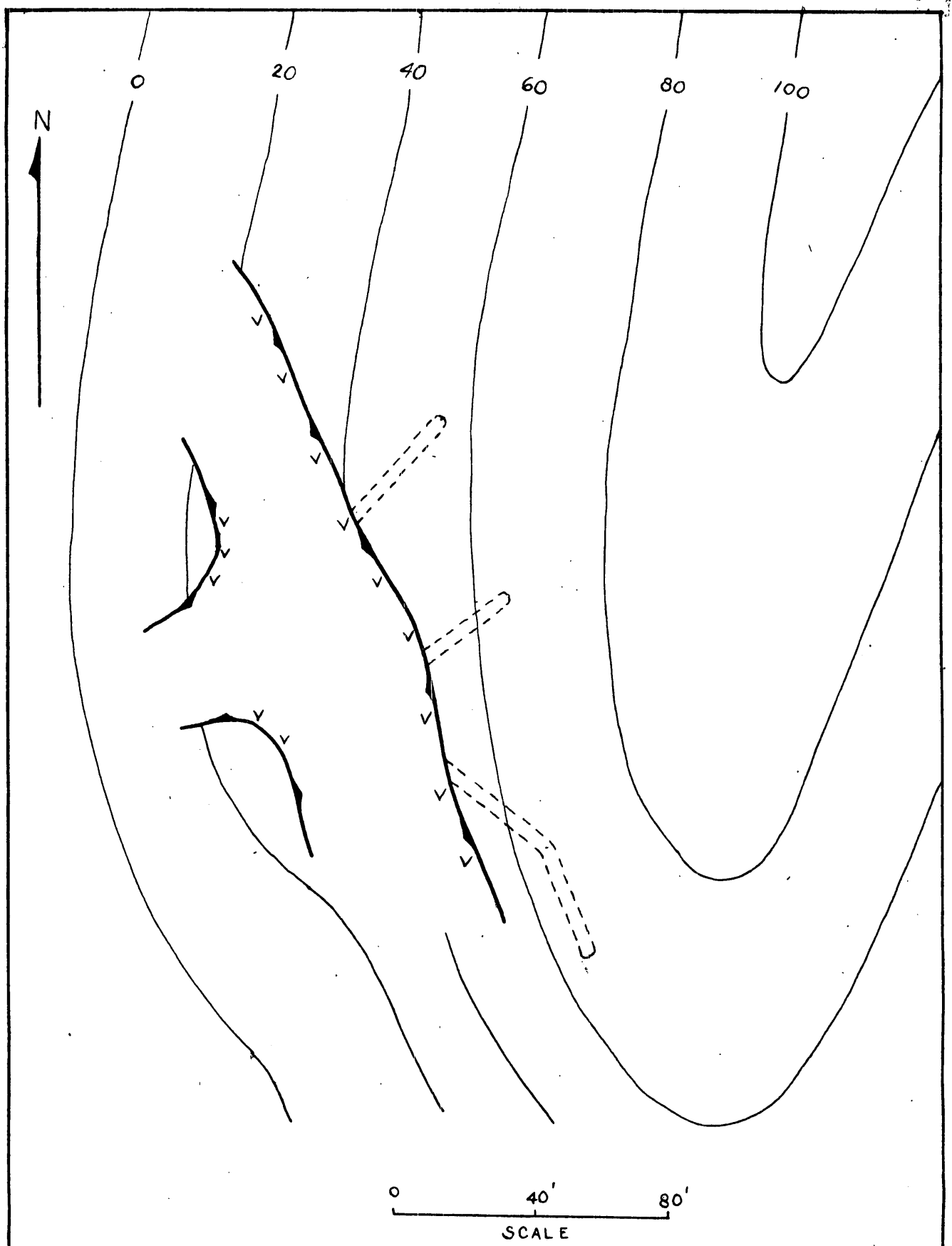
(a)	Total approved	$6,265.00
(b)	Total cost of project	5,775.00
(c)	Government's share of cost	4,331.25
(d)	Government's share unexpended	367.50
(e)	Value of production during opr.	~~None~~ 222.76

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

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

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

August 18, 1954



SKETCH OF
GARDNER PROS.
AVERY CO., N.C.

DMEA-3222

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

August 18, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: DMEA-3222, Idm-E 663, Vance and Odom Mining Co. (mica) Termination Agreement, and final engineering and geological report.

Transmitted are three signed copies of the termination agreement on the subject contract; also four copies of the Operator's final Engineering and Geological Report on the subject contract. The usual distribution of the other copies has been made by this office.

Robert A. Laurence

ZM.
cc:
Beck
Finance Office
Lynch
Files

August 16, 1954

FINAL REPORT ON WORK AT GARDNER MINE AVERY CO. NORTH CAR.
DMEA - 3222 IDM-E66(Mica)

Exploration was begun at The Gardner Mine April 1st 1954, terminated June 30 1954.

During the month of April bulldozing was completed , 7292 cu ft and 27 feet of drifting was completed.

During the month of May 43 feet of drifting was completed.

During June 66 ft of drifting was completed, making a total of 136 feet.

The exploration produced

12.68 Lbs sold to Government	$205.51
101 Lbs Punch	12.12
380 Lbs Scrap	5.13

RECEIVED
AUG 18 1954
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

AUG 5 1954 600

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

Subject: Docket No. DMEA-3222 - Mica
Vance and Olom Mining Company
Gardner Prospect
Avery County, North Carolina
Contract No. Idm-E663

Dear Mr. Laurence:

Reference is made to your memorandum of July 9, 1954, recommending that the subject contract be terminated, and no certification is anticipated.

We concur in your recommendation for termination of the contract. The Office of the Acting Assistant Solicitor, Defense Minerals, has prepared the enclosed termination notice which is to be executed in the field.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Philip W. Guild

Member, Geological Survey

Enclosures 6

LGHouk:gad 7/30/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

IN REPLY REFER TO:
G-D-CNR

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

July 26, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA 3222 (mica)

To: L. C. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Vance & Odom Mining Company
Name of property: Gardner Prospect
Location of property: Plumtree, North Carolina
Date of Field Team report: July 1, 1954
Authorship of Field Team Report: L. E. Shirley, K. H. Teague, and D. H. Amos.
Field Team's recommendation: 1 - No additional exploration.
2 - Termination of contract.
Comments: Poor showing of mica.
ACTION RECOMMENDED: Follow Field Team's recommendation.

D. M. Larrabee

DMLarrabee:hlm
G-7/26/54
Copy to: Director's reading 4212
Branch reading 4212
DMEA (3)
Larrabee 5218 Interior

July 19, 1954

Memorandum

To: Operating Committee, DMEA- Washington

From: Field Team, DMEA - Region VII

Subject: DMEA-3222, Idm-E 663 (mica) Vance & Odom Mining Co. N. C.
Gardner Prospect, Plantree, N. C.

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

We agree with the examiners' recommendation that the remaining 14 feet of level work should not be done. The Operator also agrees to this. Therefore, we are considering this project as complete, and with 136 out of 150 feet of level work done, it appears that a termination agreement is not needed.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/xm
cc:
Beck
O'Neill
Files
Opr. Com. -1

[illegible] REPORT

DMA-1222 Mew-1863 (mica) [illegible]

Owner: Mance & Olen Mining Company, [illegible], [illegible].

Location: On the west side of a south trending spur of Little Mack Hill, 7000 ft. (airline) [illegible] of [illegible], Avery County, [illegible].

Drifting has been in progress on this contract up to the time of this visit. Due to the poor showing of mica bearing pegmatite the owners recommend that no additional exploration be performed under contract.

Three exploratory adits were driven for a total distance of 136 feet and are listed in the order of work performed.

Adit #1 - A drift was driven for 20' in pegmatite in a S 65° [illegible] direction. Work was stopped [illegible] to [illegible] the north st. Some strategic mica was recovered from this work.

Adit #2 - is located about 25 feet southeast of Adit #1. A drift was driven for 70 feet and the direction varied from S 55° E to S 18° W. The body was rather barren of mica content except for the first few feet which yielded several medium sized blocks of strategic mica. An occasional small block was recovered from time to time in remaining work.

Adit #3 - is located 40 feet northwest of Adit #1. A drift was driven for 37 feet in a S 45° E direction [illegible] was stopped because of the barren pegmatite encountered. The present face shows from top to bottom: 2 feet of weathered mica schist, 1 foot of pegmatite, 2 feet of schist followed by 0.5 feet of pegmatite in the floor. Scant mica production was made from this work.

All of the pegmatite out was composed of kaolinized feldspar, quartz, green muscovite mica, [illegible]. Black tourmaline of

processed mica can be made from total production. The foreman stated that 7 lbs. of processed [illegible] mined small quantity of block mica remains to be [illegible].

The examiners believe that this prospect has been given sufficient exploration and we recommend that the remaining 10 feet of drift not be completed. The operators conducted the exploration in an efficient manner and cooperated fully with the examiners. All adits were well timbered with stulls and solid top lagging and should remain open for any attempted additional work for many years to come.

L. [illegible] Shirley, Mining Engineer
U. S. Bureau of Mines

[illegible] J. Jacque & D. H. Jones, Geologists
U. S. Geological Survey

July 1, 1954

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

July 27, 1954

Memorandum

To: Cora Piper, Chief, Finance Office, Region VII

From: Executive Officer, DMEA - Region VII

Subject: Royalty check on Idm-E 663, DMEA-3222, Vance & Odom (mica) Gardner Mine.

Transmitted herewith are invoices for the sale of $222.76 worth of mica from subject mine, and a check for $11.14 representing 5 percent royalty due the Government from the sale.

Robert A. Laurence

ZM.
cc:
Beck
Lynch
Laurence
Mittendorf
S. Vance

COPY

DMEA-3222. Idm-E663(Gardner Mine)

July 21, 1954

Mica sold to the Diamond Mica Co., Spruce Pine, N. C.

	$5.13
July 21. 101 lbs. punch @ 12¢	12.12
Spruce Pine Mica Co. @Buyer.	
	$17.25

Copied by zm.

cc:

Beck
Mittendorf

COPY COPY

GENERAL SERVICES ADMINISTRATION
Mica Purchase Depot - ~~Spruce Pine, N. C.~~

WARRANTY, ACCEPTANCE AND INVOICE

DATE: 7-21-54
ACCEPTANCE NUMBER: A04-125

ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER: EPS-4-565A
LOT NUMBER: SPAO-125
RECEIPT AND WEIGHT TICKET NUMBER:

WARRANTY

The undersigned, a participant in the Mica Program, warrants that the mica included in this lot of mica is of domestic origin, is not material owned previously by the Government, was not purchased from others prior to December 14, 1951, and is owned by the person or firm whose name appears below (herein referred to as "Seller").

NAME AND ADDRESS OF SELLER *(Type or print)*	SELLER OR PERSON AUTHORIZED TO SIGN THIS WARRANTY FOR SELLER
NAME: Sam K. Vance	SIGNATURE:
STREET ADDRESS:	NAME *(Type or print)*: Finley Love
CITY, ZONE AND STATE: Plumtree, N. C.	TITLE *(Type or print)*: Agent

EVALUATION AND SETTLEMENT DATA

PROGRAM A - BLOCK OR FILM MICA

QUALITY	HALF TRIM			FULL TRIM		
	POUNDS	PRICE PER LB.	AMOUNT	POUNDS	PRICE PER LB.	AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER					$70.00	
GRADES NO. 4 AND 5				1.69	$40.00	67.60
GRADES NO. 5½ AND 6				8.24	$15.00	123.60
STAINED						
GRADES NO. 3 AND LARGER		$12.00		.06	$18.00	.86
GRADES NO. 4 AND 5		$ 5.00		1.12	$ 8.00	7.17
GRADES NO. 5½ AND 6		$ 3.00		1.57	$ 5.00	6.28
HEAVY STAINED						
GRADES NO. 3 AND LARGER		$ 8.00			$13.00	
GRADES NO. 4 AND 5		$ 4.00			$ 6.00	
GRADES NO. 5½ AND 6		$ 2.00			$ 3.00	
TOTALS						
LOT TOTALS				12.68		$205.51

PROGRAM B - HAND-COBBED MICA

TOTALS					$ 0.30	

ACCEPTANCE

Subject to the terms and conditions of the Mica Regulation dated March 12, 1952 (17 F.R. 2279), establishing the Government's Purchase Programs for Domestic Mica, the Government accepts the number of pounds of mica (as hereinabove identified), delivered by the Seller to the Government for which payment in the total amount set forth hereinabove will be made by the Government.

GENERAL SERVICES ADMINISTRATION

BY *(Type name)*	SIGNATURE	TITLE
Ed S. Burleson		Buyer

INVOICE

TO: General Services Administration, Region IV

FOR: Mica delivered as indicated above — $ 205.51

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

SELLER *(Type name)*	DATE
Sam K. Vance (Gardner Mine -DMEA-3222, Idm-E 663)	7-21-54
BY *(Signature)*	NAME AND TITLE *(Type)*: Finley Love, Agent

GSA-WASH DC 53-3094

GSA FORM 1013
September 1952

COPY COPY

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 1 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1954 Docket No. DMEA 3222 Contract No. DMA 5663-54
Operator's Name Vance & Odom Mining Company Minerals Mica
Address
Contract Amount, $ 6265.00 Government Participation: 75 % Amount, $ 4698.75

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 French		540.00	540.00			
Crosscutting						
Drifting 66 Ft	2310.00	2450.00	4760.00			
Mason Lead		200.00	200.00			
(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 Tool House		200.00	200.00			
(6) New Bldgs., Improvements, etc. Powder Magazine		50.00	50.00			
(7) Miscellaneous Explosive Magazine		25.00	25.00			
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2310.00	3465.00	5775.00	2310.00	3465.00	5775.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-7

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 1, 1954 *Payee Vance & Odom Mining Company
Per Vivian Vance Title Bookkeeper

*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:

$ 1732.50

Signature Cora A. Piper
(Authorized Certifying Officer)

Date JUL 15 1954 Vou. No. 12
(See other side)

3

(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-E663 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date July 3, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date JUL 13 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53

Minerals Administration
RECEIVED
JUL 19 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 195 4. Docket No. DMEA 3222 Contract No. DMA 663
Operator's Name Vance & Odom Mining Company Minerals Mica
Address Pluntree 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	ft	2310.00	66	4760.00	136	35.00	150	35.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Moore Bulldozer				540.00				540.00
Tool Work house				200.00				200.00
Churn Powder Magazine				50.00				50.00
Auger Explosive Magazine				25.00				25.00
Stripping								
Trenching								
Test Pits								
Roads and Trails				200.00				200.00
Total Distributed Costs		2310.00		5775.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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

Date July 1,1954 Operator Vance & Odom Mining Company

Per Title Bookkeeper

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

Remarks:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

JUNE 1954 DAILY REPORT GARDNER MINE-AVERY COUNTY

1. Three men worked 8 hrs in mine-shot one hole and moved 60 loads waste.
2. Three Men worked 8 hrs in mine- moved 80 loads waste.
3. Three men worked 8 hrs-moved 70 loads waste-shot once and set one joint timber.
4. Three men worked 8 hrs in mine-shot one hole-moved 75 loads waste-set one timber.
7. Three men worked 8 hrs-shot one hole and moved 40 loads waste-set one joint of timber.
8. Two men worked 8 hrs in mine-shot one hole-moved 40 loads waste-one man prepared timber.
9. Three men worked 8 hrs preparing mine timber.
10. Three men 8 hrs in mine-set 1 joint timber.
11. Three men worked 8 hrs-shot two holes-moved 75 loads waste-set one joint of timber.
12. Threemen worked 8 hrs preparing mine timber.
14. Two men worked 8 hrs each in mine-moved 60 loads waste-set one joint timber-1 man worked 8 hrs preparing mine timber.
15. Three men worked 8 hrs in mine-moved 84 loads waste-shot two holes and set one joint of timber.
16. Three men worked 8 hrs in mine-shot two holes-moved 78 loads waste.
17. Three men worked 8 hrs on a new tunnel-shot once-moved 63 loads of waste.
18. Three men worked 8 hrs. preparing mine timber.
21. Three men worked 8 hrs in mine-moved 85 loads waste-set one joint mine timber.
22. Two men woked 8 hrs in mine-shot two holes-moved 63 loads of waste-one man worked 8 hrs preparing timber.
23. Three men in mine 8 hrs-shot three holes-moved 92 loads of waste-set one joint of timber.
24. Three men worked 8 hrs preparing mine timber.
25. Three men worked 8 hrs each-moved 95 loads waste-shot two holes-set one joint timber.
28. One man worked 8 hrs preparing timber- two men 8 hrs. in mine-shot four holes-moved 83 loads waste.
29. Three men worked 8 hrs - moved 95 loads waste-set two joints mine timber.
30. Three men worked 8 hrs in mine-shot two holes-moved 98 loads of mine waste- set two sets of mine timber.

66 yr. [illegible] — $2310.00

3 men 23 shifts.
69

$33.48 per shift

69) 2310.00
207
240
207
330
276
540
552

Only small [illegible]
[illegible] [illegible] [illegible]

INTERIM REPORT
On
DMEA-3222, Idm-E 663 (mica)

GARDNER MINE

Operator: Vance and Odom Mining Co., Plumtree, North Carolina

Location: On the west side of a south trending spur of Little Buck Hill, 7000 feet (airline) due south of Plumtree, N. C.

The second adit has been advanced to the southeast for a total of 70 feet; the last 33 feet being in a S18° E direction. Pegmatite at and near the heading is in excess of 7 feet thick and consists of semi-weathered feldspar, quartz, and muscovite of scrap size. The mica is evenly distributed throughout the pegmatite.

The operator was advised by the Field Examiners to discontinue work in this adit and to use the remaining footage on the contract in driving a new adit to the northeast from a point about 75 feet northwest of the second adit.

Exam. date: June 17, 1954

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

[illegible] REPORT

[illegible]-3222 Ind-863 (Mica) [illegible]

OPERATOR: Vance and Odom Mining Company, Plumtree, North Carolina.

LOCATION: On the west side of a south trending spur of Little Buck Hill, 7000 ft. (airline) due south of Plumtree, Avery Co., North Carolina.

Drifting continues to the southeast in the new adit and is now at 41 feet; combination drifts total 70 feet. No change in the target is anticipated and drifting will continue in the same general direction. No change was noted in the material and some block mica has been recovered. The foreman was advised to keep the drift cross-section in pegmatite where possible by bearing more to the south with future headings. Progress on this contract is satisfactory.

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

[illegible] Dewey M. Ross, Geologists
U. S. Geological Survey

June 3, 1954

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

JUN 17 1954

Month of May, 1954 Docket No. DMEA 3222 Contract No. DMI 1663
Operator's Name Vance & Cohen Mining Company Minerals Mica
Address Phoenix, Ariz.
Contract Amount, $ 6263.00 Government Participation: 75% Amount, $ 4698.75

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 Trench		560.00	560.00			
Crosscutting						
Drifting 43 ft	1505.00	955.00	2460.00			
Access road		200.00	200.00			
(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		200.00	200.00			
(6) New Bldgs., Improvements, etc.		50.00	50.00			
(7) Miscellaneous Explosive Magazine		25.00	25.00			
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1505.00	1960.00	3465.00	1,505.00	1,960.00	3,465.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-72

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 3/1954 *Payee Vance & Cohen Mining Company
Per Vivian Vance Title

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

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

(Instructions on reverse)

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

$ 1,128.75

Signature Cora A. Piper
(Authorized Certifying Officer)

Date JUN 15 1954 Vou. No. 316
(See other side)

376.25

(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. Hm-E663 in accordance with the terms of the contract.

Signature Lawrence C. Shirley Title Mining Engr. U.S.B.M. Date June 5, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date JUN 9 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1954 Docket No. DMEA 3222 Contract No. DMA 3663

Operator's Name Vance & Odom Mining Company 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
	ft	1505.00	43	2450.00	70	35.00		
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping Bulldozing				540.00				
Trenching								
Test Pits				200.00				
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1505.00						TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				200.00				
Initial Rehabilitation Repairs				50.00				
New Buildings and Improvements Engine				25.00				
TOTAL COSTS		1505.00		3465.00				

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 June 3 1954 Operator Vance & Odom Mining Company

Per [illegible] Title

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

MO[illegible]LY PROGRESS GARDNER MINE A[illegible]Y COUNTY

MAY 1954

May 3 - Two men worked 8 hrs ea- shot two holes-moved 75 wheelbarrows mine waste-prepared mine timber

May 4 - Three men worked 8 hrs each in mine setting one joint of mine timber

May 5 - Three men worked 8 hrs ea preparing mine timber

May 6 - Three men worked 8 hrs ea -set one joint timber-shot three holes and moved mine waste

May 12 - Three men worked 8 hrs ea pre aring mine timber

May 13 - Threemen worked 8 hrs ea- set one joint timber-

May 17 - Two men worked 8 hrs ea in mine-shot 4 holes-moved 80 barrows waste-prepared mine timber

May 18 - Three men worked 8 hrs ea in mine-set 2 joints timber-shot 4 holes-moved waste Used jeep 4 hrs pulling drag pan-

May 19- Three men worked 8 hrs ea preparing mine timber

May 20 - Three men worked8 hrs ea in mine-moved 60 loads waste and set i joint timber

May 21 - Three men worked 8 hrs ea in mine-shot 2 holes-moved 85 loads of waste

May 24 - Three men worked 8 hrs ea -moved 80 loads waste

May 25 - Three men worked 8 hrs ea - moved 70 loads waste

May 26 - Three men worked 8 hrs-shot 4 holes-moved 60 loads waste-shot 2 holes-set 1 joint timber

May 27 - Three men, 8 hrs ea-sawing and preparing timber

May 28 Two men worked 8 hrs in mine-set one joint timber-moved 50 loads waste

May 31 - Three men worked 8 hrs ea- 4 hrs in mine and 4 hrs preparing timber-used jeep 2 hrs hauling timber

[illegible] 48 man days = 2.5' number day

48 man days

weather [illegible]

[illegible]

[illegible]

[illegible]-3222 [illegible] 300 (silica) [illegible]

[illegible] Insurance and [illegible] Mining Company, Limited, [illegible]

[illegible] the west side of a north trending spur of Little Rock [illegible] 7020 feet (approx) [illegible] the [illegible], very [illegible]

[illegible]

[illegible] change in the target is anticipated, but the approach has been altered slightly.

The original drift was driven for 29 feet in a [illegible] 50° direction at which point the [illegible] began dipping rather steeply (70°) to the northeast. Due to the extremely weathered conditions of the country rock, a new drift was to be driven on the same side of the [illegible] in opposite direction, to the southeast. This drift has been driven about 14.5 feet in a [illegible] 60° direction and some quartz quartz has been recovered. The body plunges about 10° to the southeast in this drift and a slight incline is necessary. This drift is located 25 feet southeast of the original drift. Both drifts have required timber fresets and solid top lagging has been used [illegible]. The portals have been timbered adequately and side [illegible] for [illegible] safety from vertical overhang. Progress [illegible]

[illegible], Mining Engineer
[illegible] of [illegible]

[illegible], Geologists
[illegible] Survey

[illegible]ay 20, 1964

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

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

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

Month of April, 1954 Docket No. DMEA 3222 Contract No. IDM E663

Operator's Name Vance & Odom Mining Co. Minerals

Address Plumtree N Carolina

Contract Amount, $ 6265.00 Government Participation: 75 % Amount, $ 4698 75

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 trench	540.00		540.00			
Crosscutting						
Drifting 27 ft	945.00		945.00			
Access Road	200.00		200.00			
(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 Tool house	200.00		200.00			
(6) New Bldgs., Improvements, etc. Powder Magazine	50.00		50.00			
(7) Miscellaneous: Explosive Magazine	25.00		25.00			
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1960.00		1960.00	1,960.00	—	1,960.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-64

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

Date 5-3-54 *Payee Vance & Odom Mining Company

Per Vivian Vance Title

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

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

(Instructions on reverse)

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

$ 1,470.00

Signature Cora A. Pipes
(Authorized Certifying Officer)

Date MAY 13 1954 Vou. No. 286
(See other side)

1st 5/4/1

490.00

(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. Edm-E663 in accordance with the terms of the contract.

Signature W. J. Lynch Title Mining Engineer Date May 6, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. A. Beale ACTING Title EXECUTIVE OFFICER ~~DMEA REGION VII~~ Date MAY 10 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1954 Docket No. DMEA 3222 Contract No. IDM E663
Operator's Name Vance & Odom Mining Company Minerals Mica
Address Plumtree N Car

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	ft	945.00	27	945.00	27	35.00		
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping Bulldozing	Cu.ft	540.00	7292	540.00	7292	540.00		
Trenching								
Test Pits	Each	200.00	1	200.00	1	200.00		
Roads and Trails								
Total Distributed Costs		1685.00						Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
Explosive Magazine		25.00						
New Buildings, Improvements, etc.		200.00						
Test House								
Powder magazine		50.00						
Total Costs		$ 1960.00						

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 May 3 1954 Operator Vance & Odom Mining Company

Per Vivian Vance Title Book Keeper

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

MONTHLY REPORT OF WORK AT GARDNER MINE MONTH OF APRIL 1954

Work began April 1st with bulldozing by Mitchell Lumber Company, making a trench 125 feet long, 35 feet wide and 15 feet deep. No other work was done until April 14th at which time two men workked 8 hrs each, sawing mine timber.

April 15- two men worked 8 hrs setting up timber
April 16- two men worked 8 hrs sloping bank over timber
April 19- three men worked 8 hrs setting up timber and moving dirt - used a jeep 4 hrs hauling timber
April 20- 2 men worked 4 hrs-moved 50 wheelbarrows muck and 4 hrs eacg setting timber in mine. One man worked 8 hrs on tool house-and hauling supplies-
April 21- two men worked 8½ hrs each moving 60 whellbarrows dirt-two men worked 8½ hrs workingon tool house- hauled mine timber.

April 22 - two me worked 8 hrs hauling 30 wheelbarrows dirt and set one joint of timber - two worked on tool house.

April 23- two men worked moving 60 wheelbaroows of dirt and set one joint of timber in mine. Two men set one joint of timber and finished cap box.
April 26- two men worked 8 hrs each in mine-moved 60 wheelbarrows of dirt and set a joint of timber- two men worked 8 hrs each sawing timber-hauled timber 2 hrs
April 27th- three men worked 8 hrs each in mine-moved 75 loads of dirt and set 1 joint of timber.
April 28th three men worked 8 hrs each in mine-moved 80 wheelbarrows of dirt-hauled timber 2 hrs.
April 29th three men worked 8 hrs -moved 75 wheelbarrows of dirt-set onejoint of timber.
April 30th- two men workedeach in mine moving 60 loads of muck- one man worked 8 hrs preparing mine timber and hauled 4 hrs.

C
O
P
Y

May 10, 1954

Vance & Odom Mining Company
c/o The Tar Heel Mica Company
Plumtree, North Carolina

Re: Docket No. DMEA-3222 - mica, Idm-E663
Gardner Prospect, Avery Co., N. C.

Gentlemen:

This is to confirm the verbal approval given you by Mr. Teague and Mr. Shirley to proceed with the work outlined in Stage II of the subject exploration contract.

Yours very truly,

Robert A. Laurence

[illegible]

[illegible]-5528 Am-.663 (Mica) [illegible]

[illegible]: Vance [illegible] Mining Company, Hunter, North Carolina.

[illegible]: On the west side of a [illegible] trending spur of Little [illegible] Hill, 7000 ft. (airline) due south of Huntree, [illegible] County, N. C.

The starting date on this contract is April 1, 1964. Stage [illegible] of the contract has been completed and consists of brushing out an access road and cutting a trench along the trend of the pegmatite. Stage II has been authorized and work is expected to begin in the near future.

The access road is satisfactory and can be traveled in dry weather satisfactorily with a 4-wheel drive vehicle. The road is rather steep in places. A cut has been made in a [illegible] 50° N direction and is 250' x 40' x 20' deep on the uphill side. Another cut, 100' x 20' x 13' deep, was made at right angles to and from the center of this long cut on the downhill side. Pegmatite was exposed in the center of the long cut for a broken distance of about 50 feet. The body is about 8 ft. (average) thickness, strikes N 40° [illegible] and dips gently to the southeast. The pegmatite is composed of scattered quartz, kaolinized feldspar and green mica of small size, much of which is broken badly. A crystal site was selected and cut work is expected to begin in the near future. The operator stated that 47 hours of bulldozing [illegible] was required for both road and cut work. Progress on this contract is satisfactory.

L. [illegible] Shirley, Mining Engineer
U. S. Bureau of Mines

H. H. Teague & D. L. Amos, Geologists
U. S. Geological Survey

April 8, 1964

C
O
P
Y

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

March 15, 1954

Mr. Sam K. Vance
Vance & Odom Mining Co.
Plumtree, North Carolina

Subject: DMEA-3222 (mica)
Gardner Prospect, Avery Co., N. C.

Dear Mr. Vance:

A contract on the subject prospect has been approved by the Defense Minerals Exploration Administration, but before the contract can be executed a new lease will have to be obtained by your Company or your present lease amended as the size of the area described in your original lease is inadequate for the purposes of an exploration contract. A new Owner's Consent to Lien will also have to be signed by the property owners. Eight copies of this form are enclosed for your use. The original and five copies are to be sent to this office. You may retain one copy and one copy is to be given to the property owner.

The description on your amendment to the lease or a new lease should be as follows:

"Beginning on 12" locust; thence N. 35° W. 225 feet to 24" chestnut oak; thence N. 30° E. 300 feet to 6" white oak; thence N. 72° E. 225 feet to 24" red oak; thence S. 40° E. 150 feet to a stake; thence S 55° W. 450 feet to the beginning, containing approximately 3-4/10 acres."

Upon receipt of the amendment to your original lease or a new lease and the new Owners Consent to Lien, we will send you the contract for signature.

Very truly yours,

Robert A. Laurence
Executive Officer
DMEA REgion VII

MAR 12 1954 600

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

Subject: Docket No. DMEA-3222 - Miss Vance and Miss Mining Company
Gardner Prospect
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.

Transmitted herewith is a copy of a memorandum, dated March 4, 1954, from the Chief Counsel. The size of the area described in the lease is inadequate for the purposes of an exploration contract. It will be necessary for the Operator to obtain a lease for the entire tract described in Annex I before the contract can be executed, and a new Owner's Consent to Lien for the same area.

If the contract meets with your approval present it to the Operator for approval and signature. Please explain to the Operator that the contract, when executed, is a firm commitment under the terms of which it is obligated to complete the work outlined at the agreed unit cost. If any part of this contract does not have either your approval or that of the Operator and cannot be amended within your delegated authority, then the original and all copies of the contract are to be returned to this office, together with the proposed changes for consideration.

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

Copies of memoranda from the Geological Survey, dated February 15, 1954, and from the Bureau of Mines, dated February 12, 1954, are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey

Enclosures 11

LCHouk:gad 3/5/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

March 4, 1954

Memorandum

To: The Administrator
Through: Mr. L. G. Houk

From: Chief Counsel

Subject: Yance and Odom Mining Company, Docket No. DMEA-[illegible] (Mica), Gardner Prospect, Avery County, North Carolina

Attached is a contract covering the subject project.

The contract is in proper form for execution. However, the copies of the leases which we have describe an area of land "to run 100 feet each way, N. & S. from present opening--and 50 feet each way, East & West." On the other hand, the land described in Annex I (the land to be included within Article 2 of the contract) delimits a more extensive area of land. Therefore, before the contract is executed, the lease should be amended or a new lease issued to include the description of the land contained in Annex I to the contract.

Furthermore, as the Owner's Consent to Lien recites that it covers the area contained in a lease for which we require an amendment or a new lease, we also require a new Owner's Consent to Lien containing the new description of the land.

J. L. Hofflund

J. L. Hofflund
Chief Counsel

Attachments

HCRubin:ep

Copy to: Docket
Mr. Houk
Mr. Hofflund
Mr. Rubin
Chron.

March 4, 1954

Memorandum

To: The Administrator
Through: Mr. L. S. Houk

From: Chief Counsel

Subject: Vance and Odom Mining Company, Docket No. DMEA-3222 (Mim), Gardner Prospect, Avery County, North Carolina

Attached is a contract covering the subject project.

The contract is in proper form for execution. However, the copies of the lease which we have describe an area of land "to run 100 feet each way, N. & S. from present opening--and 50 feet each way, East & West." On the other hand, the land described in Annex I (the land to be included within Article 2 of the contract) delineate a more extensive area of land. Therefore, before the contract is executed, the lease should be amended or a new lease issued to include the description of the land contained in Annex I to the contract.

Furthermore, as the Owner's Consent to Lien recites that it covers the area contained in a lease for which we require an amendment or a new lease, we also require a new Owner's Consent to Lien containing the new description of the land.

J. L. Hofflund
Chief Counsel

Attachments

HCRubin:ep

Copy to: Docket
Mr. Houk
Mr. Hofflund
Mr. Rubin
Chron.

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

March 4, 1954

Memorandum

To: The Administrator
Through: Mr. L. G. Houk

From: Chief Counsel

Subject: Vance and Odom Mining Company, Docket No. DMEA-3222 (Mica)

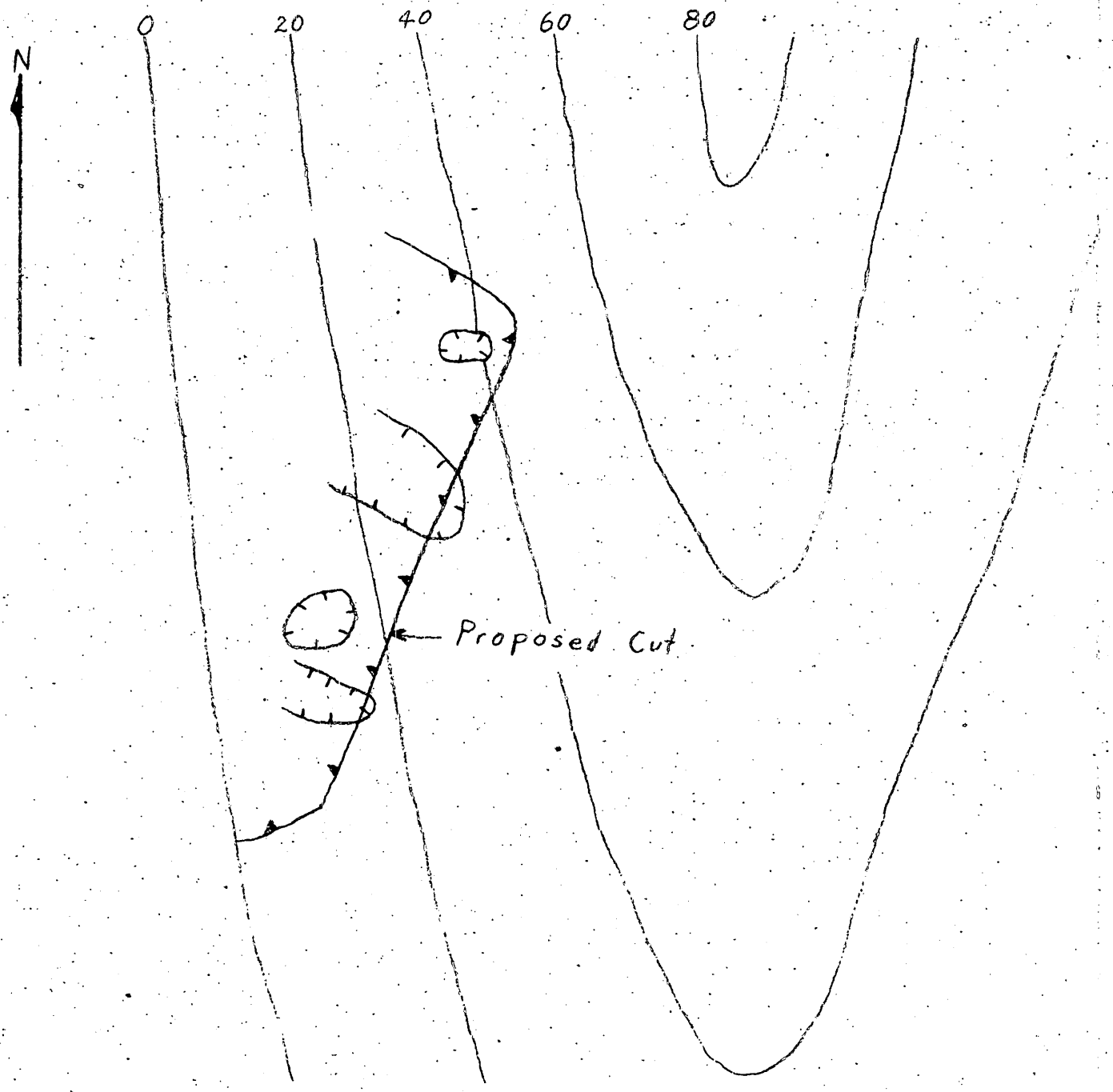
Attached is a contract covering the subject project.

The contract is in proper form for execution, however, the copies of the lease which we have describe an area of land "to run 100 feet each way, N. & S. from present opening—and 50 feet each way, East & West." On the other hand, the land described in Annex I (the land to be included within Article 2 of the contract) delimits a more extensive area of land. Therefore, before the contract is executed, the lease should be amended or a new lease issued to include the description of the land contained in Annex I to the contract.

J. L. Hofflund

J. L. Hofflund
Chief Counsel

Attachments



Sketch of
Gardner Prospect
Avery Co., N. C.

0 40' 80'
Scale

DMEA-3222 (mica)

FEB 25 1954

600

Vance and Olen Mining Company
C/o The Tar Heel Mica Company
Flintrock, North Carolina

Re: Docket No. DMEA-3222 - Mica
Vance and Olen Mining Company
Gardner Prospect
Avery County, North Carolina

Gentlemen:

Receipt is acknowledged of your letter dated February 19, 1954, enclosing a map of the subject property, satisfactorily giving bounding bearings and distances enclosing the area.

Examination of your lease on the property discloses that it is for a period of ten months only. The lease must be for a period allowing reasonable time beyond six months after completion date of a contract and not less than three years.

We will resume processing your application immediately upon receipt of a lease conforming to the above stipulation.

Sincerely yours,

Lawrence G. Hawk, Chief
Nonmetallic Minerals Division

WCAnderson:gad 2/23/54
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Hawk

FEB 17 1954

Vance and Olon Mining Company
c/o The Tar Heel Mica Company
Plumtree, North Carolina

Re: Docket No. DMEA-3222 - Mica
Vance and Olon Mining Company
Gardner Prospect
Avery County, North Carolina

Gentlemen:

Reference is made to the subject application for exploration assistance.

A careful review of your application reveals that we lack an acceptable legal description of your property. It is not enough to merely make reference to pages in the County Book of Deeds. The sketch attached does not indicate the total acreage and bounding bearings and distances enclosing the area. Kindly submit the description of the land as written in the deed referred to in the lease.

Processing of your application will receive prompt attention upon receipt of the above requested information.

Sincerely yours,

W. C. Anderson
for Lawrence G. Houk, Chief,
Nonmetallic Minerals Division

WCAnderson:gad 2/17/54
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

IN REPLY REFER TO:
G-ND-CNM

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

Defense Minerals Administration
RECEIVED
FEB 16 1954

Memorandum February 15, 1954

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3222 (MICA)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. A. Brobst, U. S. Geological Survey.
Applicant: Vance & Odom Mining Co., c/o Tar Heel Mica Co., Plumtree, N.C.
Name of property: Gardner Prospect.
Location of property: On west side of south trending spur of Little Buck Hill, 7000 ft. (airline) from Plumtree.
Date of field team report: February 2, 1954.
Authorship of field team report: R. H. Teague, L. E. Shirley, and I. H. Amos.
Field team's recommendations: The work recommended should be done in stages.

Stage I.	2500' of access road	200	
	Cut a bench 125' long and 30' wide with an up hill face of 15' to 20' with a D-8 bulldozer - 30 hours at $18/hr.. .	540	
			740
Stage II.	10'x12' tool house	200	
	Powder magazine	50	
	Exploder magazine	25	
	150' of 5'x7' "opening" at 35/ft	5250	
	("opening" will be incline or drift)		5525
	Estimated time: 6 mos.		6265

Comments:

1. The field team's approach appears reasonable. The stages will allow termination of the contract if the results of stage I are not promising.

2. The mica found in the dumps appears to warrant further exploration of the property.

ACTION RECOMMENDED:
Follow field team's recommendation.

D. A. Brobst

Brobst:jeh
2/15/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Brobst G-230

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 15 1954

February 12, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3222

Applicant: Vance and Odom Mining Company

Name and Location of Property: Gardner Prospect
Avery County, North Carolina

Date of Field Team Report: February 3, 1954

Date Rec'd by Ceramic & Fert. Mats. Branch: February 9, 1954

Field Team Recommendation:

1. Exploration in two stages:
   Stage 1 - clear an access road and cut a bench along the outcrop.

   Stage II - if further exploration is justified, drive 150 feet of opening consisting of inclined shaft or drift.

2. Total cost - $6,265.

Comments:

1. Proposed method of exploration is consistent with good engineering practice.

Recommendation:

1. I concur in the field team's recommendation for exploration program in two stages in the amount of $6,265.

Signed

W. F. Dietrich

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 3 1954

February 3, 1954

Memorandum

To: Operating Committee, D M E A- Washington

From: Field Team, D M E A- Region VII

Subject: Examination Report, DMEA-3222 (mica). Vance & Odom Mining Co., Plumtree, N. C. Gardner Prospect, Avery County, N. C.

Enclosed are 4 copies of the field examination report on the Gardner Prospect . The Field Team approves the recommendation for exploratory work at this prospect, to be done in two stages. Stage II should provide for 150 feet of incline and/or drift and/or crosscut, to provide flexibility, as the exact nature of work to be done cannot be determined until Stage I has been completed.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RA/sm

Reviewed by
DMEA OPERATING COMMITTEE
2-10-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

ON

DMEA-3222, GARDNER PROSPECT
(mica)
Avery County, N. C.

By

Kefton H. Teague, Geologist
U. S. Geological Survey

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

Dewey H. Amos, Geologist
U. S. Geological Survey

February 2, 1954

Reviewed by
DMEA OPERATING COMMITTEE
2-10-54
(date)

FIELD EXAMINATION REPORT

ON

DMEA-3222, GARDNER PROSPECT
(Mica)

Applicant: Vance & Odom Mining Co., c/o Tar Heel Mica Co. Plumtree, N. C.

Very little information can be obtained from a study of this deposit. All openings are slumped and caved and only one poor exposure of pegmatite is present. Mica scattered in the dump is of good quality, apparently of strategic grade. The examiners believe that exploration is justified in two stages.

The deposit was examined on January 28, 1954. Messrs. Sam Odom and Finley Love accompanied the examiners on the inspection which required three hours.

The Gardner Prospect is on the west side of a south-trending spur of Little Buck Hill 7,000 feet (airline) due sotth of Plumtree, Avery County, North Carolina. Access from Plumtree is by jeep road that leads to Buck Hill Gap. There is no road from the Gap to the prospect, a distance of 2500 feet; however, a road could easily be prepared by clearing the brush along the ridge line.

Both of the applicants have been connected with mining and processing mica all their adult life and appear to be competent to conduct the proposed exploration.

The applicants lease the deposit, area of which is adequate for the proposed project. Part of the property over which the access road will be required is not covered by the lease; however, the applicants do not believe that any difficulty will be encountered in securing this right-of-way.

These old prospects are about 100 feet west of and 50 feet lower than the crest of the south-trending spur of Little Buck Hill. History of mining is obscure. Apparently the last work was during World War II, at which time a miner lost his life from a cave-in. Amount of past production from the deposit is not known.

All of the old openings are slumped and very little pegmatite is exposed. These openings are scattered over an area about 100 feet long by 50 feet wide, and from their present shape apparently represent caved adits, inclines, and pits.

As previously mentioned, the character, extent, and position of the pegmatite cannot now be determined. The caved openings suggest that the pegmatite trends to the Northeast and dips at a low angle to the southeast. Wall rock is a mica gneiss. Dump material available for study indicates that the mica has been obtained from a medium coarse pegmatite which is composed of potash and soda feldspar, smoky quartz, and mica.

Both green and rum colored mica are present in the dump. According to Mr. Love, who accompanied the examiners on the inspection, "two streaks of mica" are present in the deposit. The mica is hard, flat, free splitting, and clear. No information is available as to size or abundance.

This deposit is very difficult to appriase. The mica appears to be of strategic quality and from the distribution of old works may be of considerable extent. Based on these features, the examiners believe that exploration assistance may be justified.

If an exploration contract is prepared, it should be set up in two stages. Stage I, should consist of clearing an access road and cutting a northeast trending bench through the old works. This bench should be about 125 feet long, 30 feet wide, with an uphill face of 15-20 feet. This cut, we believe, will be entirely in weathered material.

After Stage I is completed, the examiners should inspect the project to determine if Stage II is warranted. If warranted, Stage II, should consist of driving not more than 150 feet of openings on the pegmatite. If the pegmatite is low-dipping as it appears to be, the opening should consist of 60 feet of incline and 90 feet of drift.

Estimated Cost:

Stage I		
Brush out 2500 feet access road	$200.00	
Cut bench 125 ft. long, 30 ft. wide, with uphill face 15'-20' D-8 bulldozer, 30 hrs. @ $18/hr.* (standard rate for this area)	540.00	
		$740.00
Stage II		
10' x 12' Tool house	$200.00	
Powder Magazine	50.00	
Exploder Magazine	25.00	
150 ft., 5' x 7' "Opening" @ $35/ft. ("opening" will consist of incline or drift)	5,250.00	
Estimated Cost Stage II		$5,525.00
Estimated Cost Stages I & II		$6,265.00

Estimated time required - 6 months

*.

Feb. 2, 1954

K. H. Teague, U. S.G. S.
L. E. Shirley, U. S. B. M.
D. H. Amos, U. S. G. S.

JAN - 4 1954

600

Yonce and Gibson Mining Company
c/o The Tar Heel Mica Co.
Flintree, North Carolina

Re: Docket No. DMRA-3222 - Mica
Gardner Prospect
Avery County, North Carolina

Gentlemen:

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

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

Sincerely yours,

T. R. Mittendorf

Administrator

/CAnderson:ag 12/31/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, 0-232 GSA Bldg.
Mr. Hook
Operating Committee

EDJ

JAN - 4 1954

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

Subject: Docket No. DMEA-3222 - Vice Vance and Mom Mining Company
Gardner Prospect
Avery County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda from the Geological Survey and the Bureau of Mines are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

Enclosures 4

NCAnderson:ag 12/31/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 23 1953

December 22, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3222, Mica

Applicant: Vance and Odom Mining Company

Name and Location of Property: Gardner Prospect, Avery County

Date of Application: December 10, 1953

Date Rec'd by Ceramic & Fertilizer Mats. Branch: December 10, 1953

Comments:

1. No data are available in this office on subject property since it is a new prospect.

2. Careful study of the applicant's application indicates that more detailed information, with reference to a plan of proposed exploration, is needed.

3. Although the application was received after Amendment No. 3 to DMEA Order-1 became effective, it would be desirable to advise the applicant of the change in Government participation from 90 percent to 75 percent.

Recommendation: It is recommended that the field team visit this property when a member of the field team is in that vicinity to ascertain if an exploration program is justified.

Signed

W. F. Dietrich

IN REPLY REFER TO:

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

December 11, 1953

Memorandum

[illegible] DMEA-3222 (mica)

To: [illegible] Bowe, Defense Minerals Exploration Administration
From: [illegible] Larrabee, U. S. Geological Survey
Applicant's name and address: Vance & Adam Mining Company,
[illegible] Vance and [illegible] Adam, Huntree, North Carolina.
Name of property: Varoner prospect.
Location of property: Huntree, Avery County, North Carolina.
Summary of applicant's proposal:

Bulldozing: 3 days at [illegible]/hr. (10 hr. days)		540
Drifting 200 ft.	[illegible]/ft.	7000
		$7540

Sources of information on applicant's property: None.
Comments: [illegible] this party understands that he must pay 25% of the cost.
[illegible]: Determine if party is willing to pay 25% of entire cost, before referring to Field Examiners.

[illegible] L. F. Larrabee

Larrabee:jeh
12/11/53
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230

600

DEC 11 1953

Vance & Olsen Mining Company
C/o The Tar Heel Mica Co.
Plumtree, North Carolina

Re: Docket No. DMEA-3222 - Mica
Gardner Prospect
Avery County, North Carolina

Gentlemen:

Reference is made to your application for exploration assistance for mica.

On November 3, 1953, Amendment No. 3 to DMEA Order-1 became effective and limited Government participation in the case of mica to 75 percent of the approved costs. Inasmuch as your application was received after November 3, 1953, please advise this office in writing if you desire to have your application processed under the new Government participation rate. The processing of your application will be deferred until receipt of your reply.

A copy of our release of November 3, 1953, is enclosed for your information.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosure

LGHouk:gad 12/10/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk