DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. DMEA-3212

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

Exploration Assistance

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

lcy retained in Reg. ~~lcy to USGS~~, USBM, DOCKET

Routing Slip

To:	600	Date	11-18-53
To:	Anderson	Date	11/20/53
To:	605	Date	12-10
To:	Open Com.	Date	12-18-53
To:	Code 600	Date	12/21/53
To:	Open Com	Date	1-22-54
To:	Open Com	Date	11-10-54
To:	130	Date	1-30-57
To:	110	Date	1-30-57
To:	130	Date	3-21-57
To:	110	Date	3-22-57
To:	130	Date	4-29-57
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

160
50
100
4

Don El

3940 FeMNoMnS
3 BeO.

DMEA 4542

Justification for contract. Joe Vance

~~Memo for file~~

The 16.7 acres proposed for exploration work has two previous projects DMEA 3212 IdMe 658 $3780.00 Govt participation not certified and DMEA 4055, IdMe 925 govt participation $1537.75 not certified.

The Field Team recommends:

$193.75

(1) 300 ft of accessible building $68.00
(2) Sampling [illegible] $120
(3) 100' digging $24.73 $3473
$3661

Common [illegible]
Recommendation

Write an Amendment to contract IdME 925 (DMEA 4055) which includes money spent on DMEA 3212 IdME $3780.00. ~~Private funds [illegible]~~

~~[illegible]~~

5040
153.75
3661
8854.75
+3780.75
153.75
8852.00
3933.75
3661
7594.75

3
3933.75
3558.25
7492.00

2741.
39

3895.32
2443.69

DMEA 3212

DOCKET INDEX

ACTION DOCUMENTS

1	APPLICATION		DATE RECEIVED	11/18/53
2	CONTRACT		DATE	1/25/54
3	TERMINATION AGREEMENT		DATE	11/10/54
4	CERTIFICATION		DATE	
5	AUDIT REPORT		DATE	
6	AMENDMENTS - NUMBERS	1	DATE	9/23/54

Docket copy

RECEIVED
NOV 22 1954

TERMINATION AGREEMENT

It is agreed this 10th day of November, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration (hereinafter called the "Government"), and Joe C. Vance (hereinafter called the "Operator"), parties to that certain Exploration Project Contract Idm-5658, Docket No. DMEA-3212, dated January 25, 1954 (hereinafter called the "Contract"), that:

1. Effective OCT 6 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. 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 C O Mitteudorf
Administrator, Defense Minerals
Exploration Administration

Hoffland
Anderson
Houk
Chandler
Selfridge

JOE C. VANCE

Joe C Vance

Docket COPY

10-26-54

EXPLORATION PROJECT CONTRACT
JOE C. VANCE
Docket No. DMEA-3212, (mica)

AMENDMENT NO. 1

Contract Idm-E658, Docket No. DMEA-3212, dated January 25, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government", and Joe C. Vance of Phuntree, North Carolina, hereinafter called "Operator", is amended as follows:

1. Article 3 of the contract is amended to read..."....."; and shall bring the project to completion within a period of ten months (10) from the date of contract...." instead of nine(9) months as originally written.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to pay, nor the amount of any item designated as 'allowable maximum.'

September 23, 1954.

JOE C. VANCE

Joe C. Vance
Operator

THE UNITED STATES OF AMERICA

By: [signature]
ACTING EXECUTIVE OFFICER
DMEA REGION VII

2

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 3212
IDM-E650
COMMODITY Mica

Docket Copy

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 25 day of January, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Joe C. Vance
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:[3] set forth in Annex I,

the Operator represents and undertakes:[4]

(*a*) ~~That the Operator is the owner in possession and entitled to possession, and that the property is subject only to the following claims, liens or encumbrances as to each of which the subordination agreement of the holder is attached:~~

(*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 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 Nine (9) 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 $4,856.25, which is 75 percent of $6,475.00, 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 completion of the exploration work or termination of the 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.

Joe C. Vance

JOE C. VANCE (Operator)

By .....

THE UNITED STATES OF AMERICA

By C O Mitteudorf

Acting Administrator, Defense Minerals Exploration Administration

Approved Hoffhund Hook Chamberlin

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
JOE C. VANCE
DOCKET NO. DMEA-3212

ANNEX I

The land referred to in Article 2 of the contract form is known as the Doublehead Mine and was leased for mining purposes to Joe C. Vance for a period of five years by Avery Heirs, Buena A. Vance, Agent, by an instrument dated November 12, 1953. It is located along the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet north 50° west of Plumtree, Avery County, North Carolina, and is described in the aforesaid lease as follows:

> "On Doublehead Ridge in Toe River Township, near the Old Doublehead Mines, beginning at a stake in the Doublehead Gap and running Northwest 1000 feet to a birch corner near the East bank of Doublehead Creek, thence directly East 600 feet to stake on top of Doublehead Ridge, thence South 850 feet to the beginning, containing three acres, more or less, thus including two old tunnels known as the Brown Tunnel and the Tom Davis Tunnel."

EXPLORATION PROJECT CONTRACT
JOE C. VANCE
DOCKET NO. DMEA-3212

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FILED
8 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
JOE C. VANCE
DOCKET NO. DMEA-3212

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished in two areas known as the "Middle Shoot" and the "Brown Workings." These areas are indicated on two attached maps entitled "Sketch of North End Doublehead Mine, Avery Co., N. C., DMEA-3212 (mica)," and "Doublehead Mica Mine, Avery County, North Carolina." The work shall be done in the two areas as follows:

"Middle Shoot" Area

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

2. Clear portal, recondition adit, and install track to point of pegmatite intersection.

3. Drive not to exceed an aggregate of 50 feet of drift and crosscut 5 feet by 7 feet in cross section in the clear.

"Brown Workings" Area

Work in the "Brown Workings" shall be done in two stages, as follows:

Stage I

1. Clear access road.

2. Clear portal, recondition adit, install track, dewater 50-foot incline, and install ladders in incline.

Stage II

This stage shall be undertaken only after completion of Stage I, and with the prior approval of the Government. Not to exceed an aggregate of 100 feet of crosscut and drift shall be driven, and incline sunk, all 5 feet by 7 feet in cross section in the clear.

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

Agreed Unit Costs

"Middle Shoot" Area			
Constructing:	Toolhouse 1/	$150.00	
	Powder Magazine 1/	50.00	
	Exploder Magazine 1/	25.00	
Clearing portal, reconditioning adit, and installing track 1/		300.00	
Drifting and crosscutting, 50 feet @ $35.00/ft.		1,750.00	$2,275.00
"Brown Workings" Area			
Clearing access road 1/		100.00	
Clearing portal, reconditioning shaft, dewatering incline, installing track, and installing ladders 1/		600.00	
Crosscutting, drifting, and sinking incline, 100 feet @ $35.00/ft.		3,500.00	4,200.00
Total Estimated Agreed Unit Costs			$6,475.00
Government Participation @ 75%			$4,856.25

1/ The completed work constitutes the unit.

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

DEPARTMENT OF THE INTERIOR
Bureau of Mines Minerals Administration
RECEIVED
NOV 18 1953

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~~ in ~~follows~~: 1/

a Lease dated November 12, 1953

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/ JOE C. VANCE, PLUMTREE, N. C.

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 production 3/ 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 13 day of Nov., 1953.

W. W. Avery Heirs [Seal]

Buena A Vance Agent [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. 47318

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

MAR 25 1957

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

Re: Docket No. DMEA-4542-Mica
Joe C. Vance
Leaning Locust Mine
Avery County, North Carolina

Dear Mr. Laurence:

Reference is made to our letter of January 30, 1957, requesting certain information concerning the subject application.

We stated that if the contract areas of DMEA-4055 and DMEA-3212 are within the 16.7 acre tract described in the subject application, we will amend DMEA-4055, Contract No. Idm-8925. In order to proceed with this amendment we would appreciate having the following information:

1. Since we have no lease with DMEA-4542 application, we should have a statement by Buena A. Vance, Agent for the W. W. Avery Heirs, to the effect that the lease with DMEA-4055 is in good standing.
2. Assurance by Joe C. Vance to assume the obligation for repayment of $3,933.75 spent on the two previous DMEA projects on this land.
3. The book and page of recording and the total acreage held by the W. W. Avery Heirs adjoining the leased area.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

WCAnderson:gad 3/18/57

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/30	Houk	600
1/30	Selfridge	130
"	[illegible]	110
"	[illegible]	100
1-31	C	220
		600

600

JAN 30 1957

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

Re: Docket No. DMEA-4542-Mica
Joe C. Vance
Leaning Locust Mine
Avery County, North Carolina

Dear Mr. Lawrence:

Reference is made to the subject application and the relationship of the land area described in the Consent to Lien and Subordination Agreement with the contract areas in DMEA-4055 and DMEA-3212.

The applicant is the same in all three cases and it appears that all three projects are within the tract described in the lease in DMEA-4055 (identical description with the Consent to Lien and Subordination Agreement description submitted with DMEA-4542). We received no lease with the DMEA-4542 application, and are willing to accept the lease on DMEA-4055, providing we receive a statement by Thom A. Vance, Agent, for the W. W. Avery Heirs, to the effect that the lease is in good standing.

If all the projects are within the 16.7 acre tract described in the subject application then DMEA-4055, Contract No. Lm-8925, will be amended and Joe C. Vance will be required to assume the obligation for repayment of $3,933.75 spent on the two previous DMEA projects on this land.

Mr. Joe C. Vance should be requested to supply the book and page of recording and the total acreage held by the W. W. Avery Heirs adjoining the leased area.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (HB)

Approved:

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

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

Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

LGHouk:gad 1/29/57

8623

Docket Copy
Surname:
Anderson
Houk
Chambers
Selfridge
J.E. Anderson

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

MAR 1 0 1955

Mr. Joe C. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3212 - Mica
Joe C. Vance
Doublehead Mine
Avery County, North Carolina
Contract No. Idm-E658

Dear Mr. Vance:

This is with reference to the subject Exploration Contract between you and the Government.

It is not our intention to make a certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to the provisions of the Contract which require the Operator to keep and preserve certain records for the period indicated.

We regret that the exploration work performed did not result in a certification of discovery or development. Your participation in the exploration program, however, is sincerely appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:gad 3/8/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Chambers
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mrs. Buena A. Vance, Agent for W.W.Avery Heirs
(Attached to Field Team copy for forwarding)

R.G.D.

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

600

Project Summary Report

By: Walter C. Anderson WCA March 8, 1955

1. Docket No. DMEA-3212 - Mica
Contract No. Idm-E658
Doublehead Mine
Avery County, North Carolina

Operator: Joe C. Vance
Plumtree, North Carolina

Application: Form MF-103 (April 1952) received November 18, 1953
Work proposed - Erect toolhouse, rehabilitate an old drift and drive 50 feet of additional drift.
Amount requested - $3,000.00.

Operator's property rights:
Mining lease for five years, dated November 12, 1953.
Owner's Consent to Lien, dated November 13, 1953.

2. Contract - Form MF-200(A) (Feb. 1952), dated January 25, 1954.
Work authorized:

"Middle Shoot" Area -	
Construction - Toolhouse, Powder and Exploder Magazines	$225.00
Clearing portal and reconditioning adit	300.00
Drifting and/or crosscutting - 50 feet @ $35.00/ft.	1,750.00
"Brown Workings" Area -	
Clearing access road	100.00
Clearing portal and reconditioning shaft	600.00
Sinking incline, crosscutting and drifting 100 feet @ $35.00/ft.	3,500.00
Total estimated cost of project	$6,475.00
Government participation @ 75%	$4,856.25

Amendments - No. 1 - 9/23/54 - Extends completion date from nine months to ten months.

Work completed:

"Middle Shoot" Area -	
Constructed - Toolhouse, Powder and Exploder Magazines	$225.00
Cleared portal and reconditioned adit	300.00
41 feet of drifts and/or crosscuts @ $35.00/ft.	1,435.00
"Brown Workings" Area -	
Cleared access road	100.00
Cleared portal and reconditioned shaft	600.00
68 feet of incline, drifts and crosscuts @ $35.00/ft.	2,380.00
Total accepted cost	$5,040.00
Government participation	$3,780.00

Work began on February 1, 1954, and stopped by Field Team on October 6, 1954. The contract was terminated by agreement on November 10, 1954. No mica of strategic quality was recovered. No royalties are due the Government.
Field Team Final Report received November 18, 1954.
Operator's Final Report received November 18, 1954.
No equipment purchased under contract.

3. Audit - Report of Review issued October 20, 1954.

Accepted cost	$5,040.00
Government participation	$3,780.00

4. Certification of discovery - none issued.

5. Comments:

How conducted - Efficiently and in a satisfactory manner. Good cooperation between Operator and Government in limiting work to just what was necessary to determine worth of the deposit.

Operation - Good.

Engineering - Reporting by Operator was adequate.

Geological premise - Enough exploratory work was done in each of two areas, the "Brown Workings" and the "Middle Shoot" to indicate that there was little likelihood for the discovery of a deposit of strategic mica. Thus, the work was terminated by mutual consent.

Geological criteria upon which work was based:

1. Series of pegmatites, all in the same zone.
2. Mica - dark brown with greenish tint.
3. Past production.

Criteria developed during project - None.

Future possibilities: No additional work with Government assistance is warranted.

Recommendations: The Nonmetallic Minerals Division concurs in Field Team's recommendation that certification of discovery or development should not be issued and that additional exploratory work is not justified. The Geological Survey and Bureau of Mines are in agreement.

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 20 1955

January 18, 1955

Re: DMEA-3212
Doublehead Mine
Avery Co., N. C.
$5,040 - Mica

Memorandum

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

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

Subject: Review of Final Field Team report

The Field Team has recommended a certificate of discovery not be issued.

The exploration of pegmatites in the Middle Shoot and Brown Workings area was mutually terminated before all the contract work was completed. Although both of these target areas warranted exploration, the work indicated that only sparse amounts of non-strategic mica would be found by completing the entire contract.

Only limited amounts of poor quality mica were disclosed by the DMEA exploration project. No reserves of strategic mica were found by the work.

I recommend in concurrence with the Field Team that a certificate of discovery not be issued.

E. L. Newcomb

E. L. Newcomb

Plumtree, N. C.
Dec, 12th 1953

Mr. Lawrence G. Houk, Chief.
Nonmetallic Minerals Division.
Defense Minerals Exploration Adm,

Washington, D. C. 25.

Re: DocketNo. DMEA-3212-Mica
Doublehead Mine
Avery County, N. C.

Dear Mr. Lawrence:

Will you please go ahead with the processing of my loan under the new Government participation rate, 75 percent of the approved costs,

Thanking you Mr. Lawrence for your kind Favor

Yours Very Truly.

Joe C. Vance

Doublehead mine

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 9 1954

December 9, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3212 (mica)

Applicant: Joe C. Vance

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

Contract Number: Idm-E-658

Date of Field Team Report: November 16, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: November 22, 1954

Field Team Recommendation:

1. No certification.

Comments:

1. Work was conducted in two areas on this property.
2. Expenditures - Total approved $6,475
Total cost 5,040
Gov't. share of cost 3,780
Value None

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

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

Received
NOV 22 1954

November 18, 1954

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Termination Agreements

Transmitted are three signed copies each of the following:

Idm-E 669, DMEA-3251, C. E. Smith, Georgia (mica)

Idm-E 658, DMEA-3212, Joe C. Vance, North Carolina (mica)

The usual distribution of the other copies has been made.

Robert A. Laurence

ZM.
cc:
Beck
Finance Office
Lynch
Files

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1954

November 16, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region VII

Subject: Operator's and Field Team's Final Report on DMEA-3212, Doublehead Mine, Avery County, N. C.

Transmitted are four copies each of the subject reports. The Field Team concurs that no certification of discovery be made.

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

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

FINAL REPORT ON DOUBLEHEAD MINE EXPLORATION PROJECT

DMEA 3212 IDM-E 658

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1954

JOE C. V ANCE PLUMTREE, N. C.

STARTED WORK ON FEBRUARY 1, 1954. STOPED WORK SEPT. 30, 1954 WE BULLDOZED ACCESS ROAD INTO MINES, THEN BUILT TOOL HOUSE , POWDER AND EXPLODER MAGAZINES, SET IN AIR*COMPRESSOR & OTHER MACHINERY. CLEARED & TIMBERED PORTAL IN BROWN WORKINGS, DEWATERED & RECONDITIONED ADIT. LAID TRACK LINE FOR CAR, PUT IN SWITCH, AIR & WATER LINES, THEN STARTED DRILLING. CRISSCROSSED HERE FOR 30 (23) FEET, THEN PULLED INCLINE FOR 38 (45) FEET. FOUND PLENTY OF PEGMATITE BUT NO MICA, SO THE FIELD TEAM MOVED US TO MIDDLE SHOOT. CLEARED & TIMB ERED PORTAL & RECONDITIONED ADIT. STARTED DRILLING & PULLED INCLINE IN MIDDLE SHOOT FOR 31 FEET, SHOWED PEGMATITE ALL THE WAY BUT PRODUCED NO MICA, THEN CRISSCROSSED 10 FEET AND SHOT INTO SOME OLD WORKINGS. VISITED BY FIELD TEAM AND THEY ADVISED US TO CLOSE DOWN PROJECT AS NO MICA HAD BEEN FOUND.

[illegible] PHONE ON [illegible] AND [illegible]

DATA 3212 IDS-3 650

JOE C. V [illegible] PHOENIX, A. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1954

[illegible] ON FEBRUARY 1, 1954. [illegible] ON E [illegible] 30, 1954 [illegible] BELONGED [illegible] BY [illegible] WERE. [illegible] BOTH [illegible], [illegible] AND [illegible] PROPERTIES, [illegible] IN [illegible] & OTHER [illegible]. [illegible] & [illegible] [illegible] IN [illegible] [illegible], [illegible] & [illegible] AREA. [illegible] [illegible] ON [illegible], [illegible] IT [illegible], [illegible] & [illegible], [illegible]. [illegible] THE [illegible] FOR 30 [illegible], [illegible] [illegible] FOR 31 [illegible]. [illegible] OF [illegible] [illegible] TO [illegible], [illegible] [illegible] [illegible] [illegible] STOCK. [illegible] & [illegible] [illegible] & [illegible] [illegible]. [illegible] & [illegible] [illegible] IN [illegible] [illegible] FOR 31 [illegible], [illegible] [illegible] [illegible] [illegible] TO [illegible]. [illegible] [illegible] 30 [illegible] AND [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] AND [illegible] ADVISED US TO CLOSE [illegible] [illegible] AS TO [illegible] AND [illegible].

RECEIVED
OCT 12 1954
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

FINAL REPORT ON DOUBLEHEAD MINE EXPLORATION PROJECT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1954

DMEA 3212 IDE-E 658

JOE C. VANCE PLUMTREE, N. C.

STARTED WORK ON FEBRUARY 1, 1954. STOPED FOR K SEPT. 30, 1954 WE BULLDOZED ACCESS ROAD INTO MINES, THEN BUILT TOOL HOUSE, POWDER AND EXPLODER MAGAZINES, SET IN AIR-COMPRESSOR & OTHER MACHINERY. CLEARED & TIMBERED PORTAL IN DROWN WORKINGS, DEWATERED & RECONDITIONED ADIT. LAID TRACK LINE FOR CAR, PUT IN SWITCH, AIR & WATER LINES, THEN STARTED DRILLING. CRISSCROSSED HERE FOR 30 FEET, THEN PULLED THOLEIN FOR 38 FEET. FOUND PLENTY OF PEGMATITE BUT NO MICA, SO THE FIELD TEAM MOVED US TO MIDDLE SHOOT. CLEARED & TIMBERED PORTAL & RECONDITIONED ADIT. STARTED DRILLING & PULLED THOLEIN IN MIDDLE SHOOT FOR 31 FEET, SHOWED PEGMATITE ALL THE WAY BUT PRODUCED NO MICA, THEN CRISSCROSSED 10 FEET AND SHOT INTO SOME OLD WORKINGS. VISITED BY FIELD TEAM AND THEY ADVISED US TO CLOSE DOWN PROJECT AS NO MICA HAD BEEN FOUND.

UNITED STATES
DEPARTMENT OF THE INTERIOR

COPY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D. C.~~

ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

November 16, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region VII

Subject: Operator's and Field Team's Final Report on DMEA-3212, Doublehead Mine, Avery County, N. C.

Transmitted are four copies each of the subject reports. The Field Team concurs that no certification of discovery be made.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

WAB/zm
cc:
Beck
Lynch
Files

Reviewed by
DMEA OPERATING COMMITTEE
11-22-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
On
DMEA-3212, DOUBLEHEAD MINE (mica)
Avery County, N. C.

BY

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

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

and

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

November 16, 1954

Reviewed by
DMEA OPERATING COMMITTEE
11-22-54
(date)

FINAL REPORT
On
DMEA-3212, DOUBLEHEAD MINE
Mica - Idm-E 658

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1954

Operator: Joe C. Vance, Plumtree, North Carolina

The Doublehead Mine is along the west side of Doublehead Ridge and 4000 feet N. 50° W., of Plumtree, Avery County, North Carolina.

Work was conducted in two areas on the same property under this contract as follows:

"Brown Workings" Area - Work at this locality was staged. Under Stage I, an access road was cleared, a portal cleared, an existing adit reconditioned, and existing 50-foot incline dewatered and track installed in the adit and incline. A total of 68 feet of new incline and crosscut were completed under Stage II of the contract.

"Middle Shoot" Area - A toolhouse, powder magazine and exploder magazine were constructed. Preparatory work consisted of clearing a portal, reconditioning an existing adit and installing track in the adit. From the head of this adit a total of 41 feet of laterals were driven. All advance of new openings were confined to pegmatite. No mica of strategic size and quality was discovered, thus no certification of discovery should be issued. No additional exploratory work with Government assistance is warranted.

Work under the contract began on February 1, 1954, and was stopped upon a recommendation of the DMEA Field Examiners on October 6, 1954. A termination of the contract by mutual agreement was executed effective October 6, 1954 when it became apparent that there was little likelihood for the discovery of a deposit of strategic mica.

"Brown Workings" Area. The existing incline to the southeast was advanced 45 feet in a S. 20° E. direction with an average inclination of about -27°. From this incline two crosscuts were driven to the east, one for 18 feet from a point 45 feet from the bottom of the incline and the other for 5 feet from a point 29 feet above the incline bottom.

A "cigar-shaped" pegmatite body which plunges about 25° in a S. 20° E., direction was explored down the plunge from existing work. Country rock, biotite gneiss, was encountered in the head of both crosscuts and in the bottom of the incline indicating that the diameter of the body decreases down the plunge and that the pegmatite terminates near the incline bottom. Where explored the maximum horizontal diameter of the body is about 23 feet in the vicinity of the 18-foot crosscut. The pegmatite shows no apparent zoning. It consists of plagioclase, quartz, perthite, green muscovite, garnet, sericite and epidote, in order of abundance. The mica is relatively sparse, small in size, and tends to be uniformly distributed throughout the body. No mica of strategic quality was recovered.

"Middle Shott" Area. An existing drift was extended an additional 31 feet in a S. 25° E. direction along the southwest wall of a pegmatite. From the head of this new drift a crosscut was driven 10 feet in an S. 75° E. direction at which point an old lateral was intersected.

A conformable pegmatite about 20 feet thick was explored. It strikes N. 25° W. and is essentially vertical. No zoning is apparent. The body is composed of perthite, plagioclase, quartz, green muscovite and biotite, in order of abundance. The mica is sparse, small, and heavily mineral stained. None of strategic quality was recovered from this area.

Expenditures:

(a)	Total approved	$6,475.00
(b)	Total cost of project	5,040.00
(c)	Government's share of cost	3,780.00
(d)	Government's share unexpended	1,076.25
(e)	Value of production during opr.	None

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

November 16, 1954.

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

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

z

Docket Copy
Surname:
Anderson
Houk
Chamberlin
Selfridge

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

NOV 1 0 1954

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

Subject: Docket No. DMEA-3212 - Mica
Joe C. Vance
Doublehead Mine
Avery County, North Carolina
Contract No. Idm-E658

Dear Mr. Laurence:

Reference is made to Field Team memorandum of October 15, 1954, requesting that Termination Agreement forms be prepared on the subject contract.

Please find herewith the original and five copies of this Termination Agreement which have been signed by the Government. If it meets with your approval present it to the Operator for approval and signature.

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

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Approved:

J. H. Hedges (JHB)
Member, Bureau of Mines

E. L. Newcomb (JHB)
Member, Geological Survey

WCA [redacted] ad 11/8/54
C [redacted] Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Enclosures 6

P.S. Please fill in the effective date which is the date agreed upon between the Field Team and the Operator.

R.C.S.

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

October 27, 1954

Memorandum

To: Miss Curtin, Statistics and Control Division, DMEA

From: Hazel Berry, Operating Committee, DMEA
By 257

Subject: Amendment to Contract

Attached is the following docket copy of an amendment to a contract which has been reviewed and approved by the commodity division, Contract Administration and Audit Division, and the Legal Division.

Joe C. Vance, DMEA-3212, Idm-E658, Amendment No. 1.
The official docket is also attached.

Attachment 1

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

October 18, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3212 - Mica
Joe C. Vance
Doublehead Mine
Avery County, North Carolina
Contract No. Idm-E658

The Nonmetallic Minerals Division concurs in Amendment No. 1 to subject contract as written and executed in the field. The date for completion of the contract has been extended from October 25, 1954, to November 25, 1954.

This amendment is justified because it is in the Government's interest to provide additional time to complete the project.

W. C. Anderson
W. C. Anderson
Nonmetallic Minerals Division

RECEIVED
OCT 21 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Room 13, Post Office Building
Knoxville 2, Tennessee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 19 1954

October 18, 1954

Memorandum

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

From: Executive Officer, DMEA, Region VII

Subject: DMEA-3212, Idm-E658 (Mica)
Joe C. Vance, Doublehead Mine
Justification for Amendment No. 1

Amendment No. 1 recently sent to you, was needed to provide the Operator additional time to complete the project. Although we have since recommended termination and operations under the contract have ceased, it was in the Government's interest to continue the work beyond the original expiration date.

Robert A. Laurence
Robert A. Laurence
Executive Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 215, BCDG.
KNOXVILLE 2, TENN.

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 18 1954

October 15, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: DMEA-3212, Idm-E658 (mica) Doublehead Mine. Joe C. Vance, Opr. Avery County, North Carolina

Work was suspended at the field examiners recommendation on the "Brown Workings" area on June 17, 1954. Following their visit to the project on October 6, 1954, they recommended that no further work be conducted from the "Middle Shoot" area. Work as outlined in the contract and not completed for the two areas are as follows:

"Brown Workings" area	-	32 feet
"Middle Shoot" area	-	9 feet
		41 feet

The Field Team requests that Mutual Termination forms be prepared on this contract, if the Washington office deems it necessary. No certification of this contract will be recommended.

Robert A. Laurence

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

Wm. A. Beck

Wm. A. Beck, for V. J. Lynch

U. S. Bureau of Mines

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

Defense Minerals Administration
RECEIVED
OCT 13 1954

October 11, 1954

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Amendment No. 1, DMEA-3212, Idm-E 658. Joe C. Vance (mica)

Transmitted are three signed copies of the subject amendment. The usual distribution of the other copies has been made.

Wm. A. Beck.

Wm. A. Beck.

RECEIVED
OCT 21 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

INTERIM REPORT

Department of Defense Minerals Div.
RECEIVED
OCT 18 1954

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, N. C.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. N 50° W of Plumtree, Avery County, N. C.

Drifting has been in progress on this contract. The operator was advised to discontinue all operations in the "middle shoot" area because of the very poor showing of mica content in recent and previous work. Work completed in the "middle shoot" area consisted of clearing the portal, reconditioning an old adit, installing track to the point of pegmatite intersection, and driving 41 feet of drift and crosscut in pegmatite material. 31 feet of drift was driven S 25° E and the remaining 10 feet was driven S 75° E, the latter partially crosscutting the body. Material encountered consisted of feldspar, quartz, a few small blocks of green muscovite mica, biotite film, and an occasional biotite gneiss inclusion.

Work under this contract was completed satisfactorily and the operators were very cooperative with the examiners. Certification will not be recommended.

Mr. W. A. Beck, member of the Field Team, Region VII, accompanied the examiners on this visit to the mine.

L. E. Shirley

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

K. H. Teague

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

October 6, 1954

Defense Minerals Administration
RECEIVED
OCT - 4 1954

INTERIM REPORT

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, N. C.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. N 50° W of Plumtree, Avery County, N. C.

Drifting continues on this contract. An advance of 6 feet in a S 75° E direction has been accomplished in the past two weeks, in barren pegmatite material. No mica discovery of any significance has been made.

The operator was advised to continue crosscutting the body to the southeast until another visit can be made.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

September 23, 1954

SEP 20 1954

INTERIM REPORT

DMEA-3213 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, North Carolina

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. N 50° W of Plumtree, Avery County, N. C.

Drifting continues in the "Middle Shoot" area on this contract and is now at 31 feet. Most of the material encountered is pegmatite, composed of feldspar, quartz and biotite mica. An occasional small block of muscovite mica is recovered, but most of it contains stain. 19 feet of drift remains to be driven under contract. The operator was advised to complete one additional southwest heading, which was in progress during this visit, and then begin a new heading to the northeast in an effort to find mica bearing pegmatite.

Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague

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

September 8, 1954

INTERIM REPORT

DMEA-3212, Idm-E 658, DOUBLEHEAD MINE (mica)

Operator: Joe C. Vance, Pluntree, N. C.

Location: On the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet N. 50° W. of Plumtree, Avery County, N. C.

Drifting continues in the "Middle Shoot" area and now totals 25 feet. An inclusion of wall rock, biotite gneiss, is exposed on the lower half of the northeast wall at and near the present heading. The mica content of the pegmatite has increased in the last five feet of advance and several books of fair quality were exposed in the face.

The Operator was advised to continue to advance to the southeast until another visit by the Field Examiners can be made.

Recent progress has been slow because of a compressor breakdown.

Examined: August 25, 1954

D. H. Amos

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

z

INTERIM REPORT

ON

DMEA-3212, Idm-E658, DOUBLEHEAD MINE (mica)

Operator: Joe C. Vance, Plumtree, North Carolina

Location: On the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet N. 50° W. of Plumtree, Avery County, N. C.

Work has been resumed recently in the "Middle Shoot" area. A 20-foor drift has been driven in a S 25° E. from the reconditioned drift. The entire cross-section of the opening is in pegmatite. Wall rock is exposed along the southwest wall of this drift near its beginning point. Only a small quantity of small-size mica, all of which is heavily mineral-stained, has been recovered from this lateral. The Operator was advised to continue to advance the drift to the southeast until another visit can be made by the field examiners.

Date of Exam: August 12, 1954

K. H. Teague D. H. Amos

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

z

W

INTERIM REPORT
On

DMEA-3212, Idm-E 658, DOUBLEHEAD MINE

Operator: Joe C. Vance, Plumtree, N. C.

Location: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet N. 50° W. of Plumtree, Avery County, N. C.

Lateral work completed to date in the "Brown Workings" totals 68 feet. Recent work consisted of driving two short laterals to the east from the incline. One near the beginning of the incline for 18 feet and the other from a point 16 feet down the incline for 5 feet. Country rock was encountered in the head of both laterals. No strategic mica was discovered during this work. It is recommended by the Field Examiners that no further exploratory work be done in the "Brown Workings" and the operator is in agreement. This leaves 32 feet of lateral work under the contract unexpended on this portion of the mine.

No recent work has been accomplished in the "Middle Shoot Area."

Exam. date: June 17, 1954

K. H. Teague D. H. Amos

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

Z

INTERIM REPORT

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, North Carolina.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. N 50° W of Plumtree, Avery County, N. C.

Incline work has been discontinued in the "Brown Workings" area and total work completed consisted of 45 feet. Material encountered continued to be barren of mica and consisted principally of feldspar, quartz, and some secondary minerals. Future work will be confined to driving a heading to the northeast on the wall of the incline.

No recent work has been accomplished in the "Middle Shoot Area".

Progress on the contract is satisfactory.

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

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

June 3, 1954

INTERIM REPORT

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, North Carolina.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet N 50° W of Plumtree, Avery County, N.C.

Work continues at both locations as outlined in the contract. Most of the recent work has been confined to the "middle shoot" area.

"Middle Shoot" area. 85 feet of adit has been reconditioned at this location. The adit extends for 64 feet in a N 60° E direction, turning abruptly at this point to S 15° E and continuing for 21 feet to the present face. An incline has been driven due east for an unknown distance at this point and is now flooded. Work will begin to the southeast in the near future. In reconditioning the floor was lowered, all muck and loose material was removed, stulls were set where needed and the last 21 feet was set and top lagged. Suggestions concerning necessary additional timber work ~~was~~ were made to the operator.

"Brown Workings" area. No advance has been made on this incline being driven to the southeast. The incline floor has been lowered, as previously suggested, and work is expected to resume in the near future. Material encountered is barren pegmatite composed of feldspar, some quartz and scattered secondary minerals.

L. E. Shirley

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

D. H. Amos & K. H. Teague

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

May 20, 1954

INTERIM REPORT

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, North Carolina.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. N 50° W of Plumtree, Avery County, N. C.

Incline sinking continues to the southeast on this contract and is now at 28 feet. The pegmatite as encountered in this distance is virtually barren of mica. Incline sinking will continue in the future in the same general direction.

The drift has been driven in a S 20° E direction in pegmatite composed of feldspar, quartz and scattered green mica, nearly all of which contains "A" structure and is stained badly. Sericite, epidote and garnet was observed in muck. The present face shows 3 to 4 feet of pegmatite in the lower section and 3 ft. of biotite schist in the upper or roof section. Up to the present the incline has been fairly flat, but it is now necessary to incline to a greater degree in order to keep the incline in pegmatite. Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague - D. H. Amos

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

April 8, 1954

INTERIM REPORT

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, N. C.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet N 50° W of Plumtree, Avery County, N. C.

Work continues in the "Brown Workings" on this contract. No progress is reportable on the "Middle Shoot Area".

"Brown Workings" area - Incline sinking and crosscutting is in progress. A depth of about 3 feet on the incline and 20 feet of crosscut has been accomplished. No mica was recovered. Work was discontinued on the northeast crosscut because of absence of pegmatite. Incline work will continue in pegmatite to the south~~west~~east. Material encountered consists of pegmatite and country rock, a biotite gneiss. Thin pegmatite can be observed on the south~~east~~west side of the workings and to the south~~west~~east.

L. E. Shirley

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

K. H. Teague

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

March 25, 1954

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
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MAR 22 1954

INTERIM REPORT

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, N. C.

LOCATION: Along the west side of Doublehead Ridge, Near Doublehead Creek, 4000 feet N 50° W of Plumtree, Avery County, N. C.

Work continues on this contract and all activity in the past two weeks has been confined to the Brown Workings.

"Middle Shoot" area. Examination of this area showed that no recent work had been accomplished. The operator plans to complete rehabilitation of the existing adit in the near future.

"Brown Workings" area. Incline sinking is underway and about 5.5 feet has been accomplished. Due to heavy shooting large boulders were disrupted from the hanging wall and much time has been consumed in removal of all this extra muck. The incline, at the time of the examination, was filled with muck. Pegmatite material observed on the hanging wall is barren of mica.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

March 11, 1954

INTERIM REPORT

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, North Carolina.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet N 50° W of Plumtree, Avery County, N. C.

Work continues on this contract and has been confined largely to the Brown Workings.

"Middle Shoot" area. Some additional rehabilitation has been accomplished. The floor has been lowered considerably, providing ample head room. Suggestions were made concerning necessary timbering in the adit. As soon as rehabilitation is completed crosscutting and drifting will begin.

"Brown Workings" area. Rehabilitation has been completed in this area. Most of the existing water was removed and an examination of the area made. A sinking location was spotted at the base of the incline and work is expected to start immediately. It was suggested that additional barricade work be accomplished on one side of the incline to prevent large boulder muck from working down and into the working space. Other suggestions included scaling the overhead area for the length of the incline and the necessity that all workers wear safety hats.

Mr. W. A. Beck, member of the Field Team, Region VII, accompanied the Field Examiners on this visit to the mine.

L. E. Shirley

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

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

February 25, 1954

INTERIM REPORT

DMEA-3212 Idm-E658 (mica) DOUBLEHEAD MINE

OPERATOR: Joe C. Vance, Plumtree, North Carolina.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. N 50° W of Plumtree, Avery County, N. C.

Starting date on this contract is February 1, 1954. Work has begun on both areas as outlined under Exhibit "A" of the contract.

"Middle Shoot" area - Rehabilitation of the existing adit is underway. The portal has been timbered with round logs and loaded with fill dirt. Instructions were given for reconditioning the adit and necessary trimming was outlined. No track has been lain to date. A tool house has been completed and a powder magazine is being adapted from an old adit in the vicinity.

"Brown Workings" area - An access road has been cleared to adit level. The portal has been timbered adequately and track extends from the dump area to near the bottom of the existing incline. Unwatering of the 27° incline is underway and an examination of this area will be made before Stage II begins. It was suggested that the existing adit be widened by slabbing, if necessary, for adequate haulage space. Progress on this contract has been good.

L. E. Shirley

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

K. H. Teague Dewey Amos

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

February 11, 1954

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

February 4, 1954

Memorandum

To: Operating Committee, D M E A - Washington

From: Executive Officer, DMEA - Region 7

Subject: Signed Contract, DMEA-3212, Idn-E ~~568~~ 658 (mica) Joe C. Vance

Transmitted herewith are three signed copies of the subject contract signed by Mr. Joe C. Vance. The usual distribution of the other copies has been made.

Robert A. Laurence

Robert A. Laurence

FILE COPY
SURNAME:

Anderson
Houk
Selfridge
Hedges
Mistkowsky

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

JAN 25 1954

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

Subject: Docket No. DMEA-3212 - Mica
Joe C. Vance
Doublehead Mine
Avery County, North Carolina

Dear Mr. Laurence:

Please find herewith the original and five copies of a contract covering the subject exploration project which have been signed by the Government with register number and effective date as shown.

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

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

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

Sincerely yours,

George C. Selfridge (JHB)
Chairman, Operating Committee

Approved:

J. H. Hedges (JHB)
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey (JHB)

WCAnderson:gad 1/20/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

Enclosures 10

R.C.L. 1-25-54

Mr. Anderson

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR G-MD-CNM
Defense Minerals Administration
RECEIVED
JAN 19 1954

Memorandum

January 18, 1954

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3212 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. A. Brobst, U. S. Geological Survey
Applicant: Joe C. Vance, Plumtree, North Carolina.
Name of property: Doublehead Mine.
Location of property: On the west side of Doublehead Ridge near Doublehead Creek, 4,000 feet N. 50° W. of Plumtree, Avery County, North Carolina.
Date of field team report: December 22, 1953.
Authorship of field team report: K. H. Teague and L. E. Shirley.
Field team's recommendation: Work is recommended at two places on the property:

A. "Middle Shoot"

1. 12' by 12' tool house	$150.00
2. Powder magazine	50.00
3. Exploder magazine	25.00
4. Clear portal, recondition adit, and install track to point of pegmatite intersection	300.00
5. 50 ft. of 5' by 7' drift at $35/ft.	1750.00
Total for work on the Middle Shoot	2275.00

B. Brown Workings

Stage I	
1. Clear access road	$100.00
2. Install track, dewater 50' incline and install ladders in incline	600.00
Stage II	
1. 100' crosscut, drift or incline at $35/ft.	3500.00
Total for work on Brown Workings	$4200.00
Estimated Grand Total	$6475.00

Comments:

1. This mine has produced a good grade of mica in the past and the field examiners believe that more can be produced from this property.
2. An application (DMEA-2414) for exploratory work on this property was rejected in May 1952 only because the mica did not meet the requirements for strategic grade as of May 1952 when the property was examined.
3. The maps accompanying the application are not as complete as desirable, but the field team reports that the geology is favorable enough to warrant exploration now that the mica is regarded of strategic grade.
4. The applicant, Joe C. Vance, is known from his previous activities as a cooperative, reliable, and competent miner with many years of experience.
5. Because the field team considers the property worthy of exploration and because the applicant has a good record, this office recommends that the requested loan be granted.

ACTION RECOMMENDED:

Follow field team's recommendation.

D. A. Brobst

D. A. Brobst

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 12 1954

January 11, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3212

Applicant: Joe C. Vance
Name and Location of Property: Doublehead Mine, Avery County North Carolina
Date of Field Team Report: December 22, 1953
Date Rec'd. by Ceramic & Fertilizer Mats. Branch: January 5, 1954
Field Team Recommendation:

1. Exploration at "Middle Shoot" by recondition adit and drift 50 ft.
2. Exploration at "Brown Workings":
   Stage I - recondition adit and install ladders.
   Stage II - exploration by crosscut, drift or incline.
3. Total estimated cost - Middle Shoot $2275 and Brown Workings $4200.

Comments:

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

Recommendation:

I concur in the field team's recommendation for an exploration program in the amount of $6,475.

W. F. Dietrich

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
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28 1953

December 24, 1953

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region 7

Subject: Field Examination Report on DMEA-3212, Joe C. Vance (mica) N.C. Doublehead Mine

Transmitted are four copies of the above subject report and six extra copies of the map. The Field Team is in agreement with the recommendations set forth in the report.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA-Region 7

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

Reviewed by
DMEA OPERATING COMMITTEE
1-6-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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DEC 28 1953

gcl
1/22/54

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

ON

DMEA-3212, DOUBLEHEAD MINE (mica)
Avery County, N. C.

By

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

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

December 22, 1953

Reviewed by
DMEA OPERATING COMMITTEE
1-6-54
(date)

Field Examination Report
on
DMEA-3212, DOUBLEHEAD MINE (mica)

Applicant: Joe C. Vance, Plumtree, North Carolina

Two separate places on the property appear to warrant exploration. Both points of proposed exploration are to be from existing openings which will require rehabilitation. After this phase is completed, exploration will be conducted on known pegmatite.

The deposit was examined on December 12, 1953. Messrs. Joe C. Vance, Ira Vance, and Waits Avery accompanied the examiners on the inspection which required four hours.

The Doublehead Mine is along the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet N. 50° W., of Plumtree, Avery County, North Carolina. Access is generally possible at all times by jeep, and during dry weather by car.

The applicant has considerable mica mining experience. He appears to be competent and financially responsible to conduct the proposed exploration.

This property is held under lease by the applicant. Area covered by lease is adequate for the proposed exploration.

Originally the deposit was examined during May, 1952 (old DMEA-2414). The mica from the deposit is green, thus as non-ruby mica was not considered strategic the application was denied.

Some work has been done at this place since the 1952 examination. In addition to the work shown on the attached U.S.G.S. map, other openings have been made northwest of this area.

A series of pegmatites have been worked along a strike length about 1200 feet. The northernmost openings are called "Cantrell Mine". Openings consist of an open cut with the uphill face 35 feet high. The cut is about 35 feet in diameter. From the northeast face, an 80-foot drift has been driven to the north on the pegmatite. A crosscut 50 feet S. 40° W. of the cut has been driven in a N. 40° E. direction for about 60 feet. An inclined winze has been sunk on the pegmatite about 30 feet from the portal. About 40 feet due south of the above crosscut, a crosscut running N. 40° E. for 110 feet has been driven. A raise 60 feet from the portal has been driven to intersect the pegmatite. There is no evidence to indicate that any of the above openings resulted in a profitable operation.

The "Middle Shoot" has been worked by one adit, the portal of which is now caved. It is reported that this adit is 120 feet long and trends in an N. 60° E. direction. Reports indicate that the pegmatite was cut at a point 80 feet from the portal and that the pegmatite trends N. 22° E. Also short drifts were driven in both directions on the pegmatite. This is one area on which exploration is proposed.

The extensive "Brown Workings" are shown attached U.S.G.S. map. These workings are mostly accessible, except for the southwestern end, which is flooded. Very little pegmatite has been left in the Brown opening, however, reports indicate that the southwestern incline (now flooded) is in pegmatite.

In addition to the above workings, several rather shallow pits and open cuts occur between the "middle shoot" and the "Brown Workings," All of these openings have been made in fine-grained pegmatite (alaskite?).

In general the pegmatites which occurs on the north end are microcline-rich, whereas those in the middle and south end are soda rich. Apparently several pegmatites occur, more or less in the same zone. All of the mica is similar in color. It is dark brown with a slight greenish cast. Most is very flat, but that at the north end is badly cracked.

The examiners believe exploration assistance is justified at two places on the property - " Middle shoot" and from the flooded incline at the south end of the "Brown Workings."

It is recommended that the portal be cleared, the adit reconditioned to the pegmatite (80 ft.?), track installed, and 50 feet of drift driven on the pegmatite at the "Middle shoot."

At the "Brown Workings," it is recommended that the portal be cleared, adit reconditioned, track installed, incline dewatered (50 ft, 10 x 10 ft. in cross section) and 100 feet of crosscut, drift, or incline be driven on the pegmatite.

Estimated Cost:

"Middle Shoot"

10' x 12' tool house	$150.00
Powder magazine	50.00
Exploder Magazine	25.00
Clear portal, recondition adit, and install track to point of pegmatite intersection.	300.00
50 ft. 5' x 7' drift @ $35/ft.	$1,750.00
	$2,275.00

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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"Brown Workings"

Stage I.

Clear access road	$ 100.00
Clear portal, recondition adit, install track, dewater 50-ft. incline and install ladders in incline.....	600.00

Stage II

100 ft. crosscut, drift , or incline @ $35/ft.....	3,500.00
Estimated Cost ("Brown Workings")	$4,200.00
Estimated Total Cost	$6,475.00

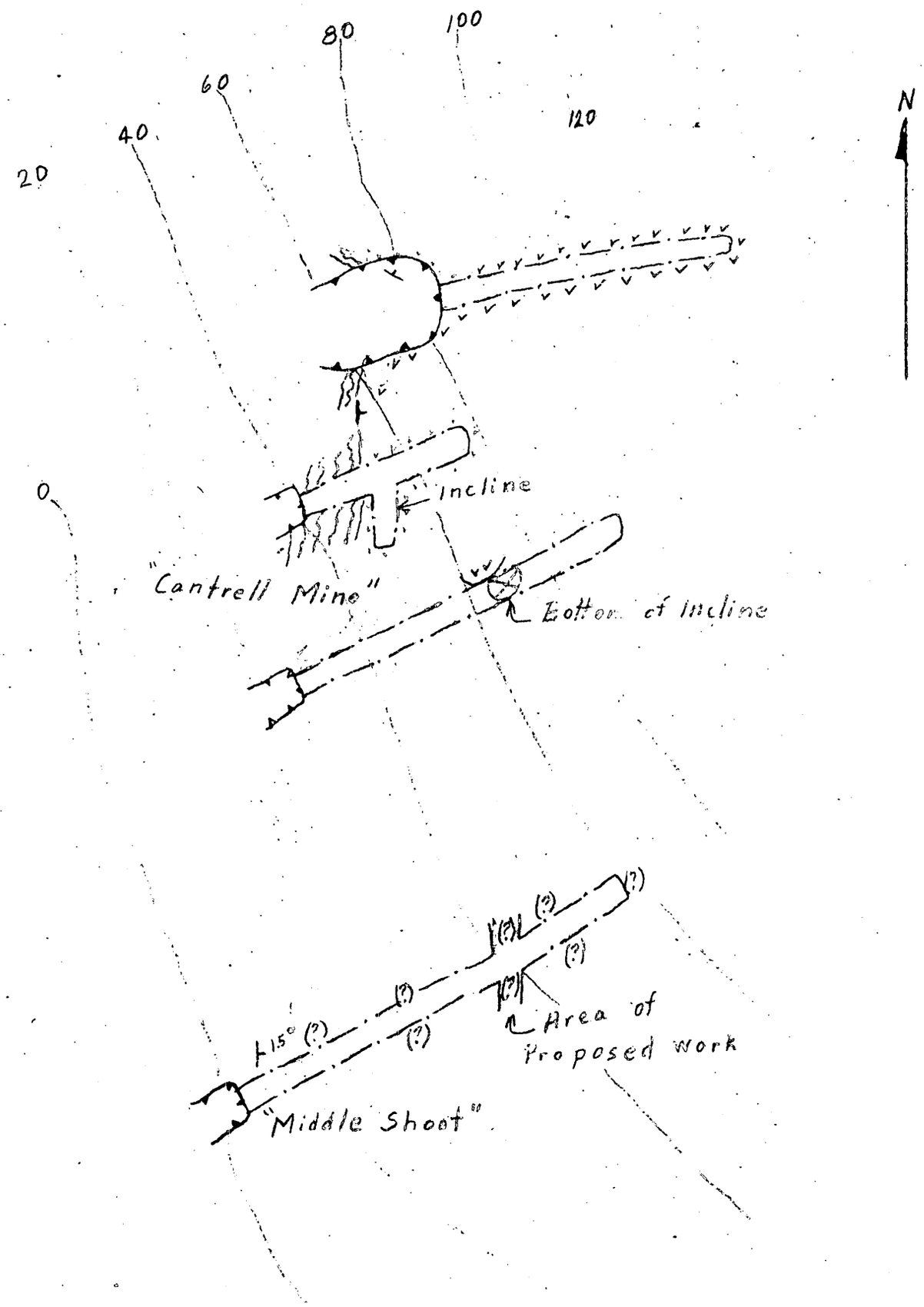
Estimated time required - 8 months.

December 22, 1953.

K. H. Teague, U. S. G. S.

L. E. Shirley, U. S. B. M.

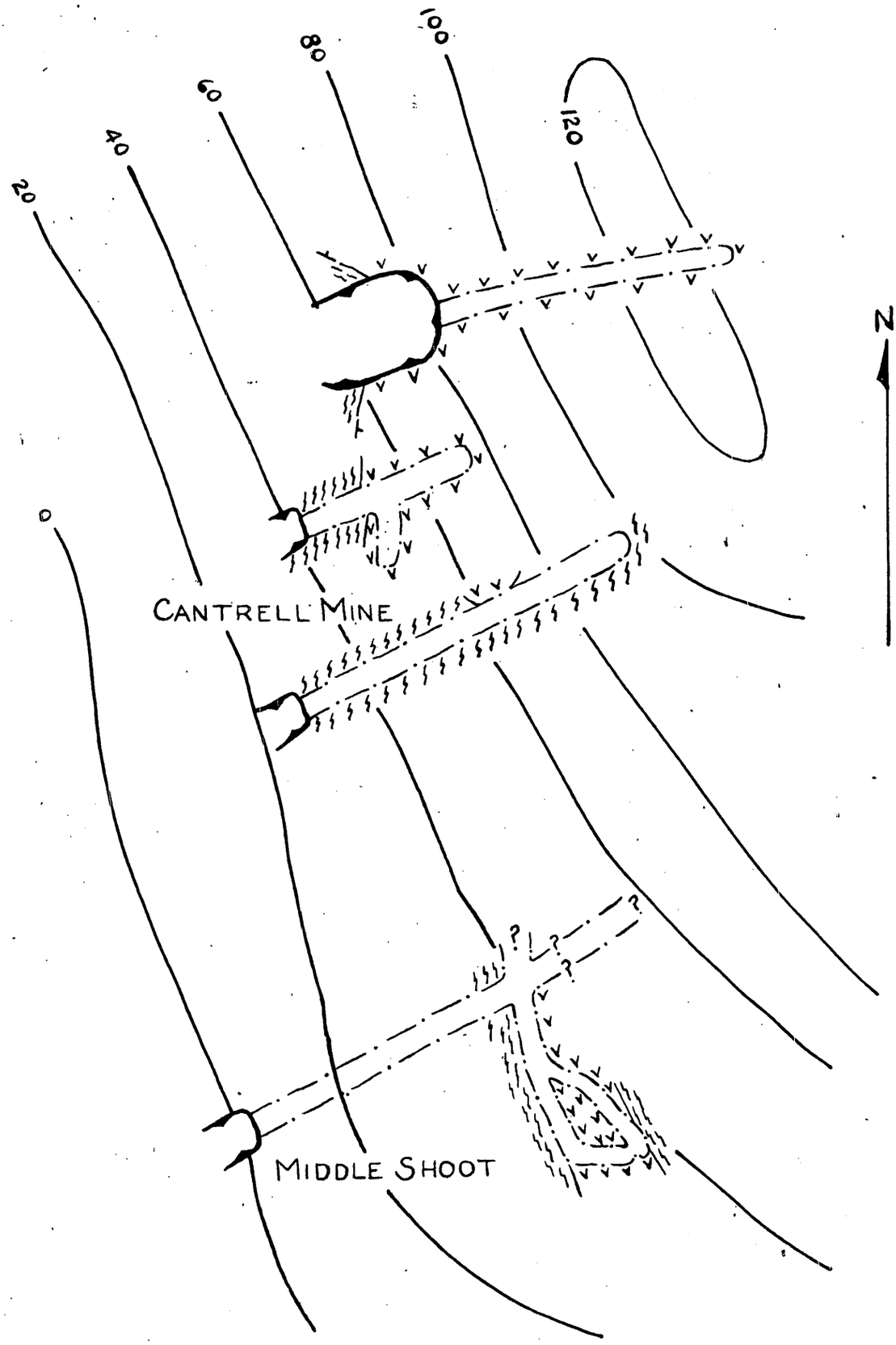
zm



Sketch of
North End
Doublehead Mine
Avery Co., N.C

0 40' 80
Scale

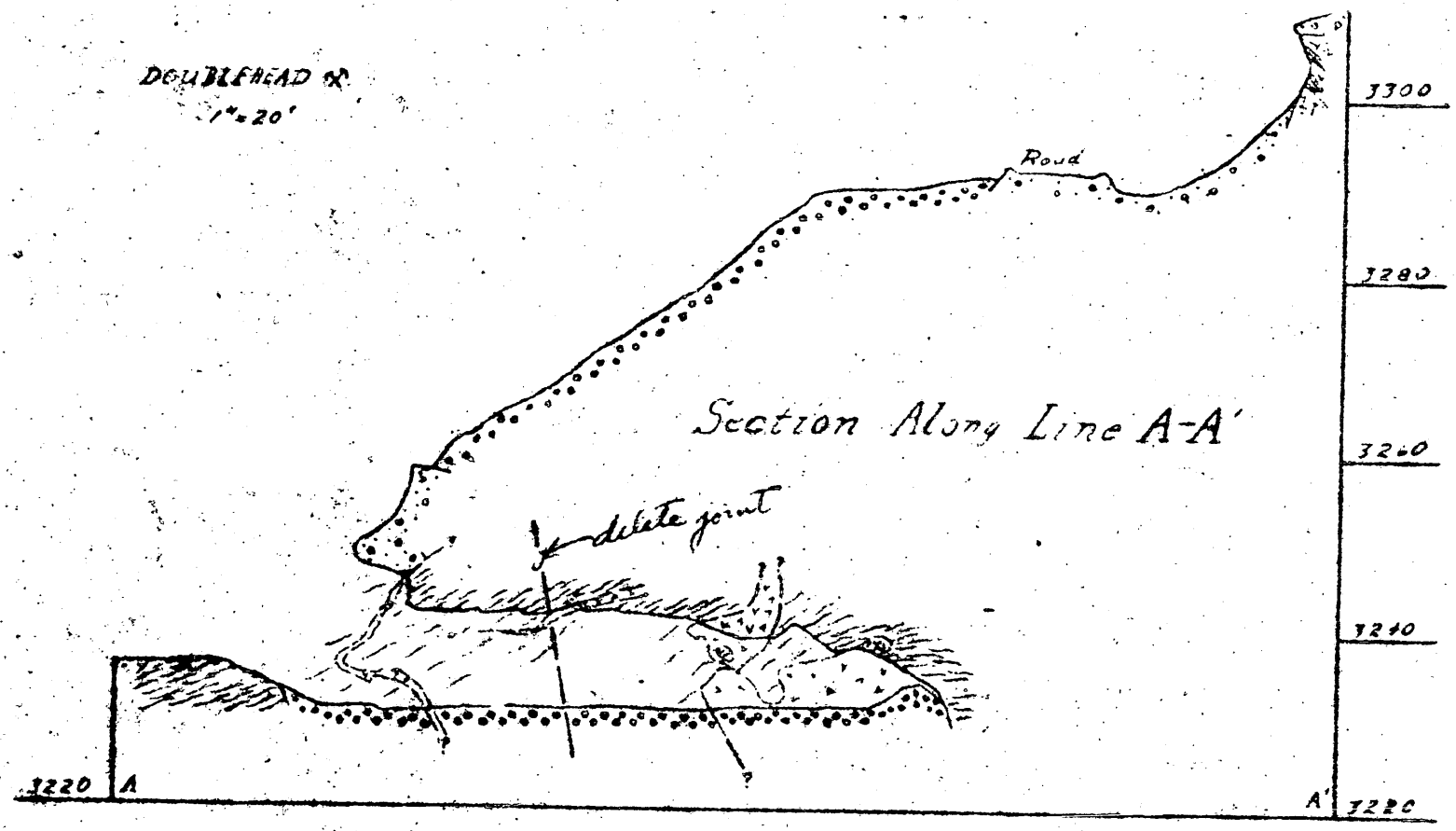
DMEA-3212 (mica)

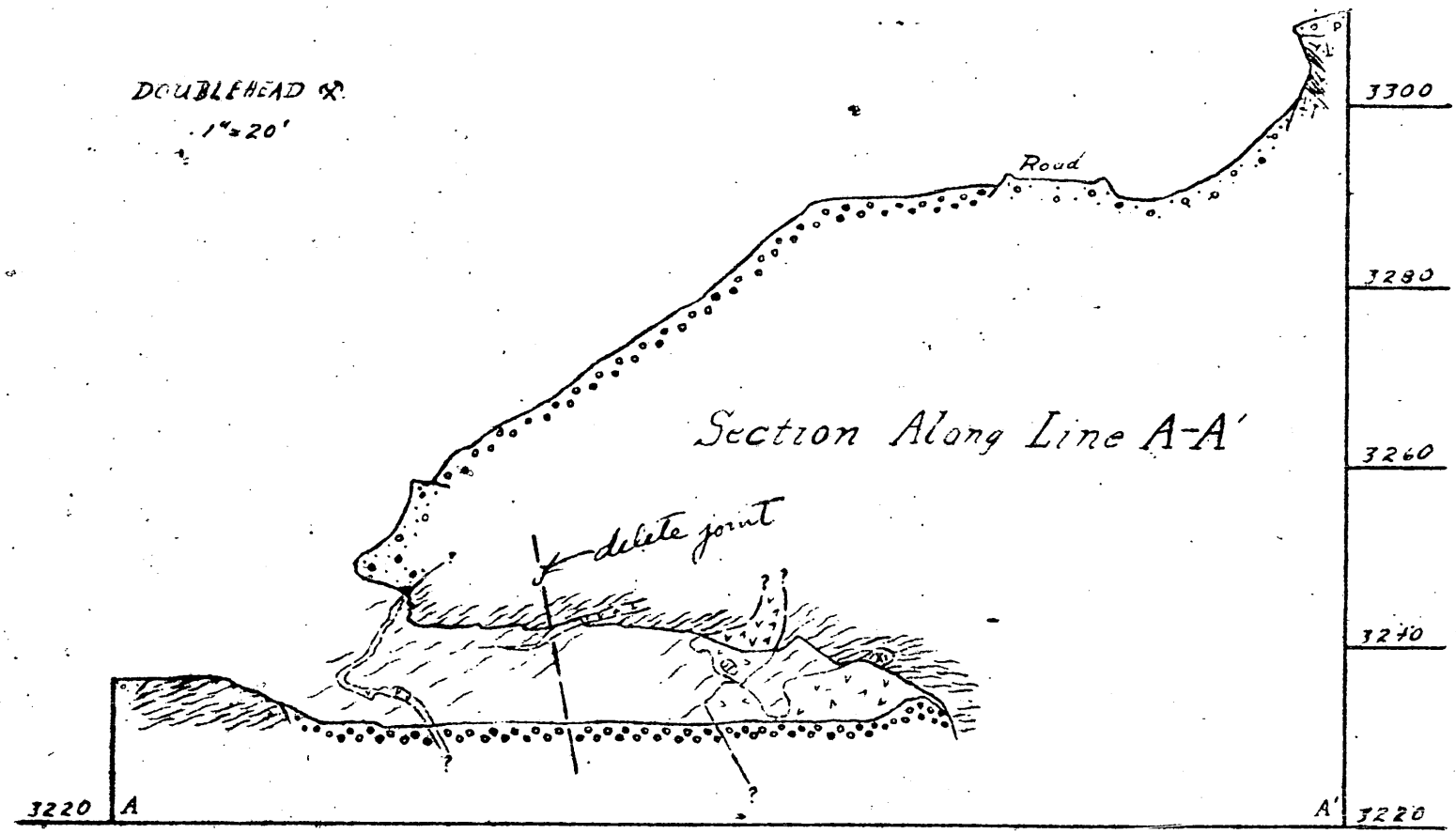


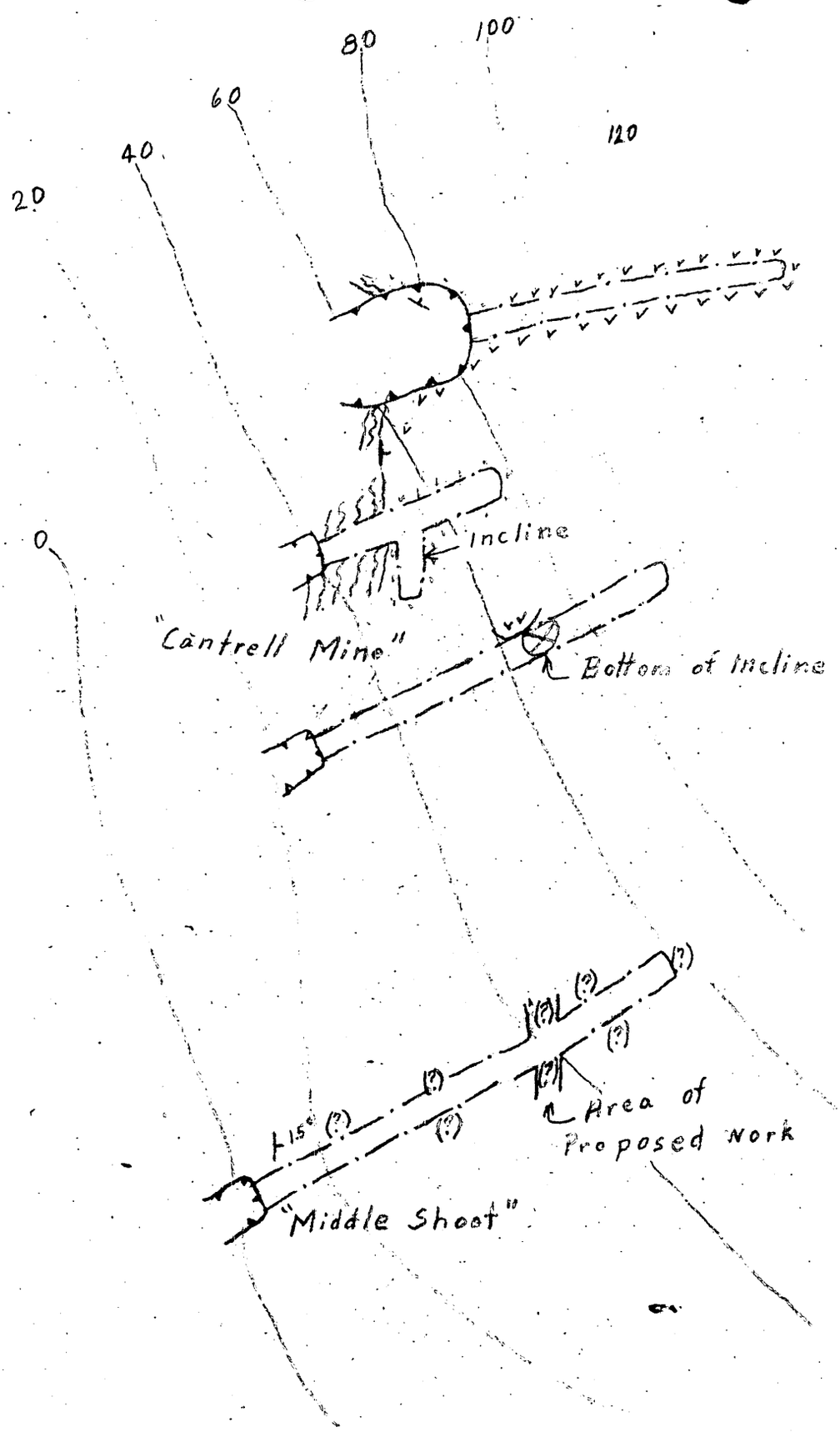
SKETCH OF
NORTH END
DOUBLEHEAD MINE
AVERY CO., N.C.

0 40' 80'
SCALE

DMEA-3212


DOUBLEHEAD
1" = 20'
Road
Section Along Line A-A'
delete joint
3300
3280
3260
3240
3220
3220
A
A'


DOUBLEHEAD ⚒
1" = 20'
Road
Section Along Line A-A'
delete joint
3300
3280
3260
3240
3220
A
A'
3220



Sketch of
North End
Doublehead Mine
Avery Co., N.C

0 40' 80
Scale

DMEA-3212 (mica)

FILE COPY
SURNAME:

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

600

DEC 21 1953

Robertson
Houk
Thayer
Holders
Bridge
Johnson

Mr. Joe C. Vance
Plumtree, North Carolina

Re: Docket No. DMEA-3212 - Mica
Doublehead Mine
Avery County, North Carolina

Dear Mr. Vance:

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

JTRobertson:ag 12/8/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk
Operating Committee

R.C.G. 12-21-53

FILE COPY
SURNAME:

Robertson
Houk
Selfridge
Johnson

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

DEC 21 1953

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

Subject: Docket No. DMEA-3212 - Plus
Doublehead Mine
Avery County, North Carolina

Dear Mr. Laurence:

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

The subject mine was examined in May, 1952, under DMEA-2414 and was denied. Mr. Joe C. Vance has indicated that the new Government participation rate of 75 percent is acceptable.

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 (24B)

Approved:

J. H. Hedges (24B)
Member, Bureau of Mines

T. P. Thayer (24B)
Member, Geological Survey

Enclosures 4

JTRobertson:ag 12/17/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.S.
12-26-53

FILE COPY
SURNAME:

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

600

Houk
Putin
aa&pne
Schedule
Mailed

DEC 9 - 1953

Mr. Joe C. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3212 - Mica
Doublehead Mine
Avery County, North Carolina

Dear Mr. Vance:

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 C. Houk, Chief
Nonmetallic Minerals Division

Enclosure
LGHouk:gad 12/8/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.J.

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

Defense Minerals Administration
RECEIVED
DEC 3 1953

December 3, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3212, Mica

Applicant: Joe C. Vance
Name and Location of Property: Double Head Mine, Plumtree, North Carolina.
Date of Application: November 18, 1953
Comments:

1. Geological Survey (Professional Paper 225, p. 63) reported that 84 pieces of mica from this mine were tested and were found to be 100 percent E-1 capacitor quality. The color was described as brownish olive.
2. Colonial Mica classified the Doublehead mine as a non-ruby mine on October 6, 1944.
3. It is suggested the applicant be informed of the change from 90 percent to 75 percent Government participation in exploration contracts.
4. The mine is located in the general area of mines that have been productive.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

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

DEPARTMENT OF THE INTERIOR
Defense Mincrals Administration
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NOV 20 1953

IN REPLY REFER TO:
G-MD-CNM

November 19, 1953

Memorandum

REVIEW OF APPLICATION DMEA-3212 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant's name and address: Joe C. Vance, Plumtree, North Carolina.
Name of property: Doublehead mine.
Location of property: 12 miles from Spruce Pine, North Carolina.
Summary of applicant's proposal: None: wants Field Team assistance in planning.
Sources of information on applicant's property: Information attached to DMEA-2414, May 7, 1952.
Comments:

Jahns' report indicates much or most of some pegmatites mined out.

This application, received in DMEA November 18, 1953, (and signed by Vance November 12) calls for 75 percent rather than 90 percent participation. Is he aware of this?

RECOMMENDATION:

Field Team examination.

D. M. Larrabee

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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NOV 25 1953

November 23, 1953

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer - DMEA Field Team Region VII

Subject: Additional Information on DMEA-3212. Joe C. Vance, Applicant

Transmitted is the additional information requested by this office on the above subject application.

W. A. Beck for

Robert A. Laurence

Doublehead Mine
Plumtree, N. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 25 1953

6. Estimate of costs.

(a) "None"

(b) One supervisor, One Foreman, One Driller, Two muckers.

(c) Drill hose, Water hose, Carbide lamps, Carbide, Dynamite, Caps. Dummy bags, Picks Shovels Crowbars , Hammers, Wrenches , lead lines, Blasting battery, Gas, Oil,

(D) Operating Equipment to be rented.
One 105 Ingersoll Rand Compressor, Two jack hammers, one Le-Roi hoist with 250 ft cable, 1000ft tracking, one dump car, one jack leg, The above and items in C. cam be rented for $240.00 Per Month.

(E) No Buildings on Property.

(F) I will need a new building to house Compressor, Tool Box and fixtures. Stove for employees to warm and eat their lunch.
This building to cost $150.00 and will be used for the benefit of the exploration prject.

(G) Nothing seems to be repaired to the operating equipment at present.

(H) None.

It seems to me that it would take around $3000.00 to drill a 50 ft tunnel clean out the old tunnel erect the above bldg, pay the equipment rental, labor and supplies.

ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

EXECUTIVE OFFICER
DMEA REGION VII

Defense Minerals Administration
RECEIVED
NOV 18 1953

November 17, 1953

Mr. Joe C. Vance

Plumtree, North Carolina

Re: Application for aid
Doublehead mine (mica)
Avery County, N. C.

Dear Mr. Vance:

Your application for aid in an exploration project for mica, at the Doublehead mine, Avery County, North Carolina, with copy of your lease and 4 signed copies of the Owner's Consent to Lien, have been received, and have been forwarded to our Washington office in accordance with established procedure.

If a contract is approved, six copies of the Owner's Consent to Lien are needed. Will you therefore please have the agent for the Avery heirs sign the two copies which are enclosed, and return them to me.

It is also necessary that estimates of costs, as outlined in item 6, a to h, be given. Please send these at your earliest convenience.

As you probably know, on all applications received after November 3, 1953, the Government's contribution will be 75 percent instead of 90 percent, in the case of mica and all other minerals formerly in the 90 percent group.

Very truly yours,

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

RAL/mg
cc
Beck
Lynch
Operating Committee
files

DMEA 2414
Denied because of gross value
5/27/52

Mr. Joe C. Vance
Plumtree, North Carolina

November 18, 1953

Subject: DMEA-3212
Re: Exploration Assistance
Double Head Mine

Dear Mr. Vance:

The receipt of your application dated November 12, 1953, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3212 and referred to the Nonmetallics Minerals Division.

Kindly refer to DMEA-3212 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

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

November 18, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number DMEA-3212

There is listed below the assigned docket number to an application recently received from Region VII.

DMEA -3212 Joe C. Vance.

ROBERT E. ADAMS

Robert E. Adams
Chief, Operation's Control
and Statistics Division

MINING LEASE

Printed and For Sale by The Tri-County News, Spruce Pine

STATE OF NORTH CAROLINA, Avery **COUNTY.**

This indenture made this 12 day of November 1953, between Avery Heirs, Buena A. Vance, Agent of Avery County and State of North Carolina, as parties of the first part, and known as lessors; and Joe C. Vance, of Avery County and State of North Carolina, of the second part and known as lessees:

WITNESSETH, That the parties of the first part, in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of 5 Years from the date of this agreement, the following described real property, for mining purposes, in the County of Avery State of North Carolina, to wit:

On Doublehead Ridge in Toe River Township, near the Old Doublehead Mines, begining at a stake in the Doublehead Gap and running North West 1000 Feet to a Birch Corner near the East Bank of Doublehead Creek, thence directly East 600 Feet to stake on top of Doublehead Ridge, thence, South 850 Feet to the begining, containing three acres, more or less, thus including tow old tunnels know as the Brown Tunnel and the Tom Davis Tunnel.

To Have and to Hold the said lands to them, for mining purposes, the said Joe Vance, and their heirs and assigns for the aforesaid period of 5 Years upon a full compliance with the conditions of this instrument, for the purpose and with the right to dig, quarry, search for and obtain any kind of minerals, metals or fossils, and particularly Mica and to conduct the same to any extent the said party of the second part may desire. And it is hereby agreed between the parties to this agreement that the party of the second part are to have the use of the unoccupied buildings on said lands for mining purposes, or have a right to erect such, if necessary, during the continuance of this lease, and keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by party of the second part that no unnecessary damage is to be done to the lands herein leased during the continuance of said lease, but the said party of the second part shall have right to take from said lands of party of the first part any wood or timber to carry on said mining operations or to erect buildings on said lands. (Timber of high or special market value excepted.) And the party of the second part are to have right-of-way of ingress and egress to said mines. The said party of the second part hereby agree to pay to the said parties of the first part, or their heirs or assigns, a rental or royalty of One Eighth, on all Mica taken and sold from said mines for the use of the said lands for the aforesaid period of Five years only; payable as follows:

Payable on computation of selling bills on the tenth of each month covering sales during the previous month.

Royalties on all other minerals mined and sold shall be determined on a percentage basis and be governed by the market value.

The Term of this lease shall not be extended except with the option of the lessors; and in case of renewal, this instrument may stand if proper amendments are duly witnessed and attached in writing hereto. The lessors reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the assigns thereof. The lessee is not to assign this lease without license of the lessors.

But it is expressly agreed that unless mineral or fossil material of practical value for mining purposes shall be found within (60) Sixty Days from the date of this instrument, this lease may be terminated by the lessee at any time thereafter, on Ten days notice to the lessors. The lessee agree that during continuance of this lease work in said mines shall not cease longer than Sixty days at any one time, unavoidable accidents excepted.

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

Witness:

(Seal)

(Seal)

(Seal)

(Seal)

NORTH CAROLINA, _____COUNTY. _____TOWNSHIP.

I, _____, do certify that_____

and _____

his wife personally appeared before me this day, and acknowledged the execution of the annexed MINING LEASE and the said_____

_____

being by me privately examined separate and apart from her said husband, touching her voluntary execution of the same; doth state that she signed the same free and voluntarily, without fear or compulsion of her said husband, or of any other person, and that she doth still voluntarily assent thereto.

_____This_____day of_____, 19_____

_____
Justice of the Peace.

NORTH CAROLINA, _____COUNTY.

The execution of the foregoing instrument was this day acknowledged before me, by_____

_____the grantor____ for the purposes therein expressed. Let the same, with this certificate, be registered. This_____day of_____, 19_____

_____

_____

NORTH CAROLINA, _____COUNTY.

The foregoing certificate of_____ of _____County is adjudged to be correct and sufficient. Let the instrument, with the certificate be registered.

Witness my hand and official seal, this_____day of_____, 19_____

_____
Clerk Superior Court.

Filed for Registration at_____o'clock_____M., _____, 19_____, and registered in the office of Register of Deeds for_____County, in_____Deed Book No._____ page No._____

_____, 19_____

_____
Register of Deeds.

MINING LEASE

FROM

TO

Lease Book_____ Page_____

FEES:

Probate . . . . . $_____

Certificate and Seal, J. P. or N. P. . . $_____

Certificate and Seal, Clerk . . . . $_____

State Tax . . . . . $_____

$_____

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Department of the Interior
Defense Minerals Administration
RECEIVED
NOV 18 1953

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

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

Not to be filled in by applicant

Docket No. DMEA-3211
Metal or Mineral
Date Received 11-18-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: JOE C. VANCE
PLUMTREE, NORTH CAROLINA

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract THE LAND COVERED AND CONTAINED IN THE ATTACHED COPY OF LEASE.

(*b*) State any mine name by which the property is known. DOUBLEH EAD MIN E

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

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

(*e*) If you own the land, describe any liens or encumbrances on it

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated N ovember 1 2, 1953, 195..

Joe C. Vance
(Applicant)

By Joe C. Vance

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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NOV 18 1953

4-

(a) There has been two big deposit of mica mined out, but tunnels are left open for inspection. No mining being done at present. Land covered by lease is easily accessibile by dirt road.

(b) No definit figures kept on past priductions. There has been thousands of pounds of mica sold from this property. This mine produces the best of mica know as red rum mica.

(c) Geologic features described in attached sketch. Plenty of pegmatite exposed.

(d) Property is ½ mile from U.S.Highway 19E with dirt road leading directly to property.
12 miles from Spruce Pine, N. C. which is the shipping and supply point.
Manpower sufficient, materials, equipment, water and power easily availabile.

5-

(a) Mica

(b) See map attached which covers proposed works, which will be to cut two tunnells into new mica veins.

(c) The work will start within 10 days and be completed within three months fromthe date of and exploration project contract.

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

6-

(a -h) Estimate of cost and operating schedule to be determined by field Representative from DMEA.

7-

(a) Yes

(b) Money

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
NOV 18 1953

November 17, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VII

Subject: Application from Joe Vance, Plumtree, N. C.
Doublehead mine (Mica), Avery County, N. C.

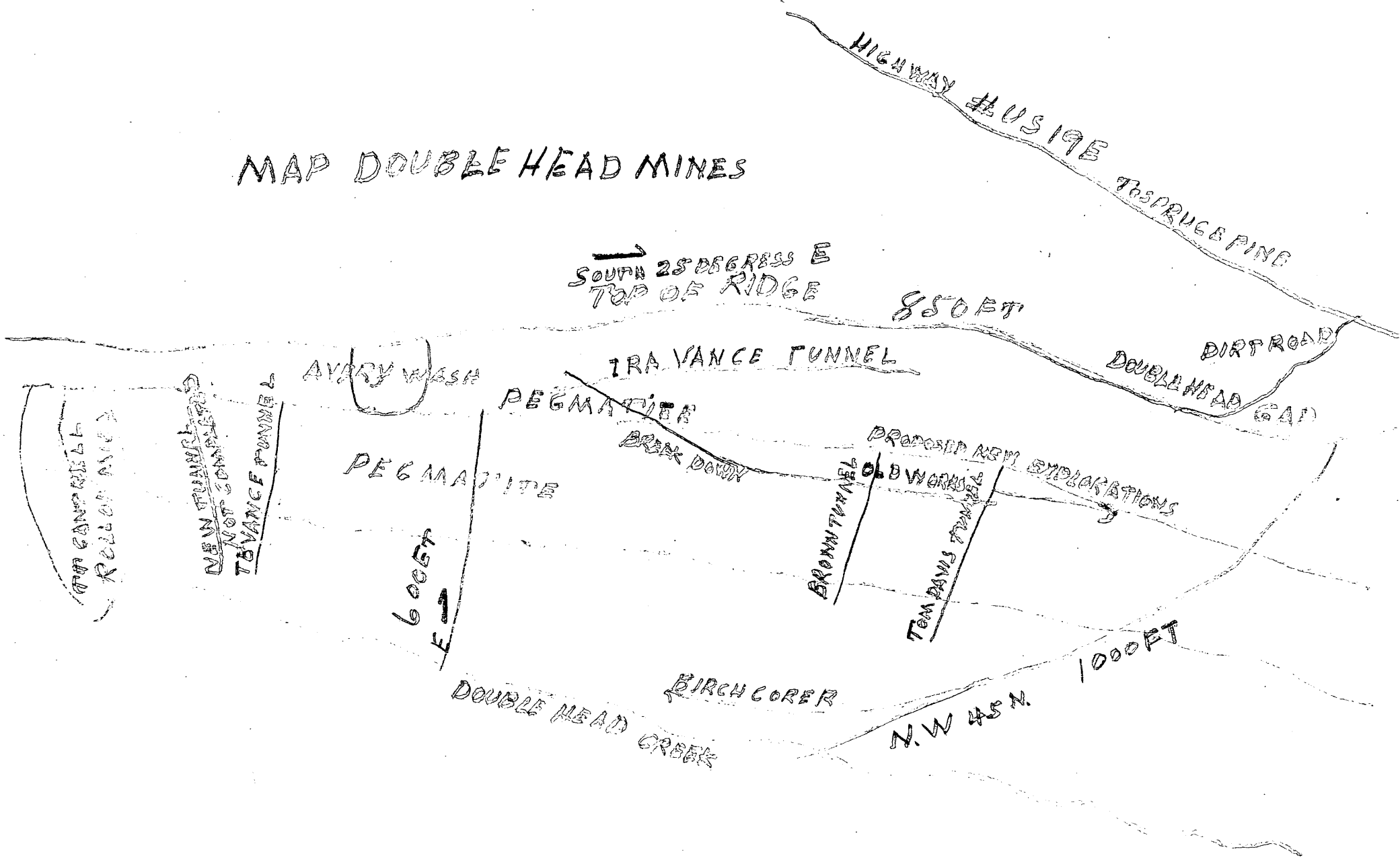
Enclosed are three copies of an application just received from Joe C. Vance of Plumtree, North Carolina, and a copy of my letter to him requesting additional data.

Robert A. Laurence

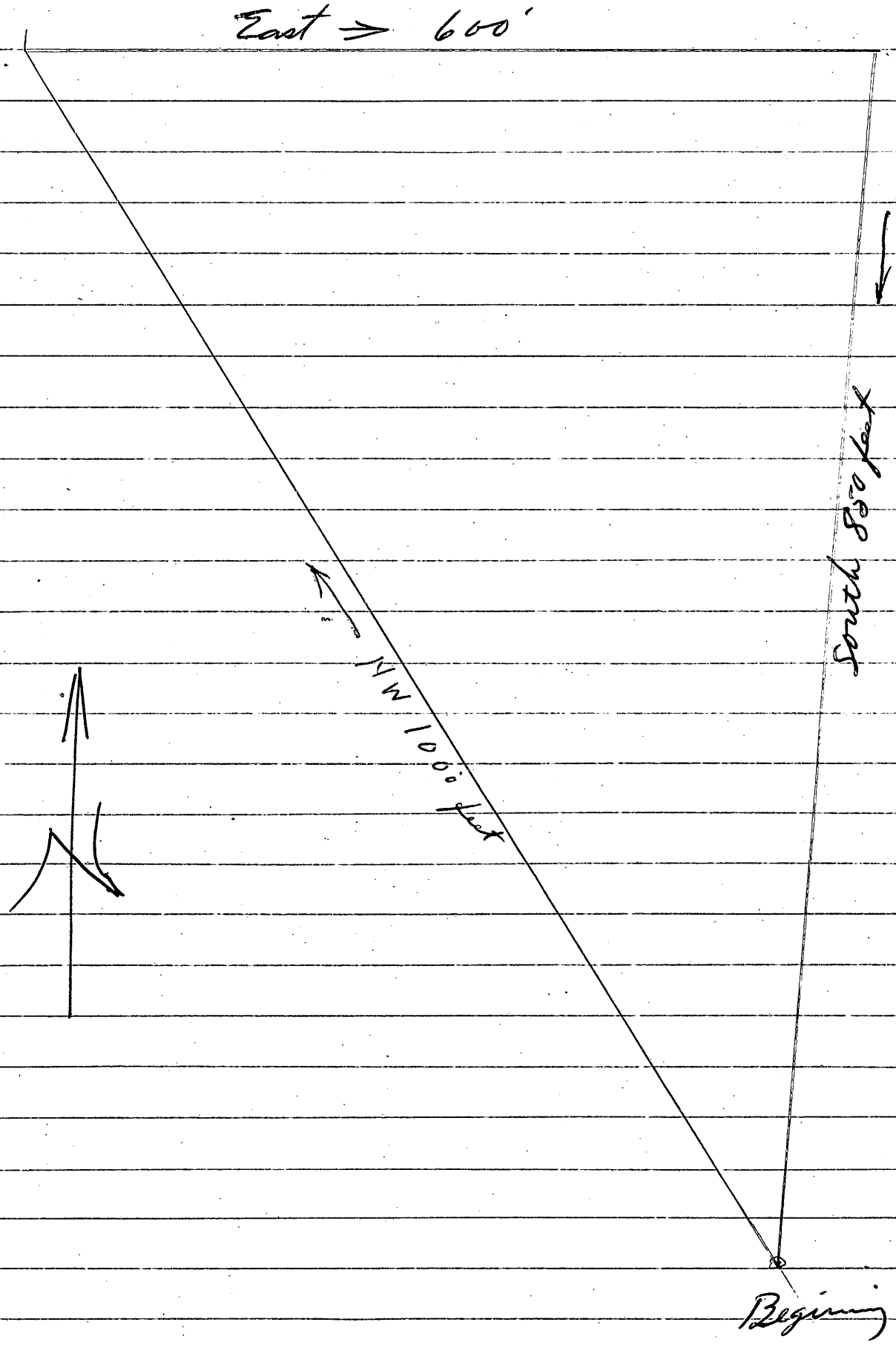
Robert A. Laurence
Executive Officer

Enclosures

MAP DOUBLE HEAD MINES



Doublehead Mine



UNITED STATES
DEPARTMENT OF THE INTERIOR
U. S. BUREAU OF MINES
METAL ECONOMICS BRANCH
JUNEAU, ALASKA

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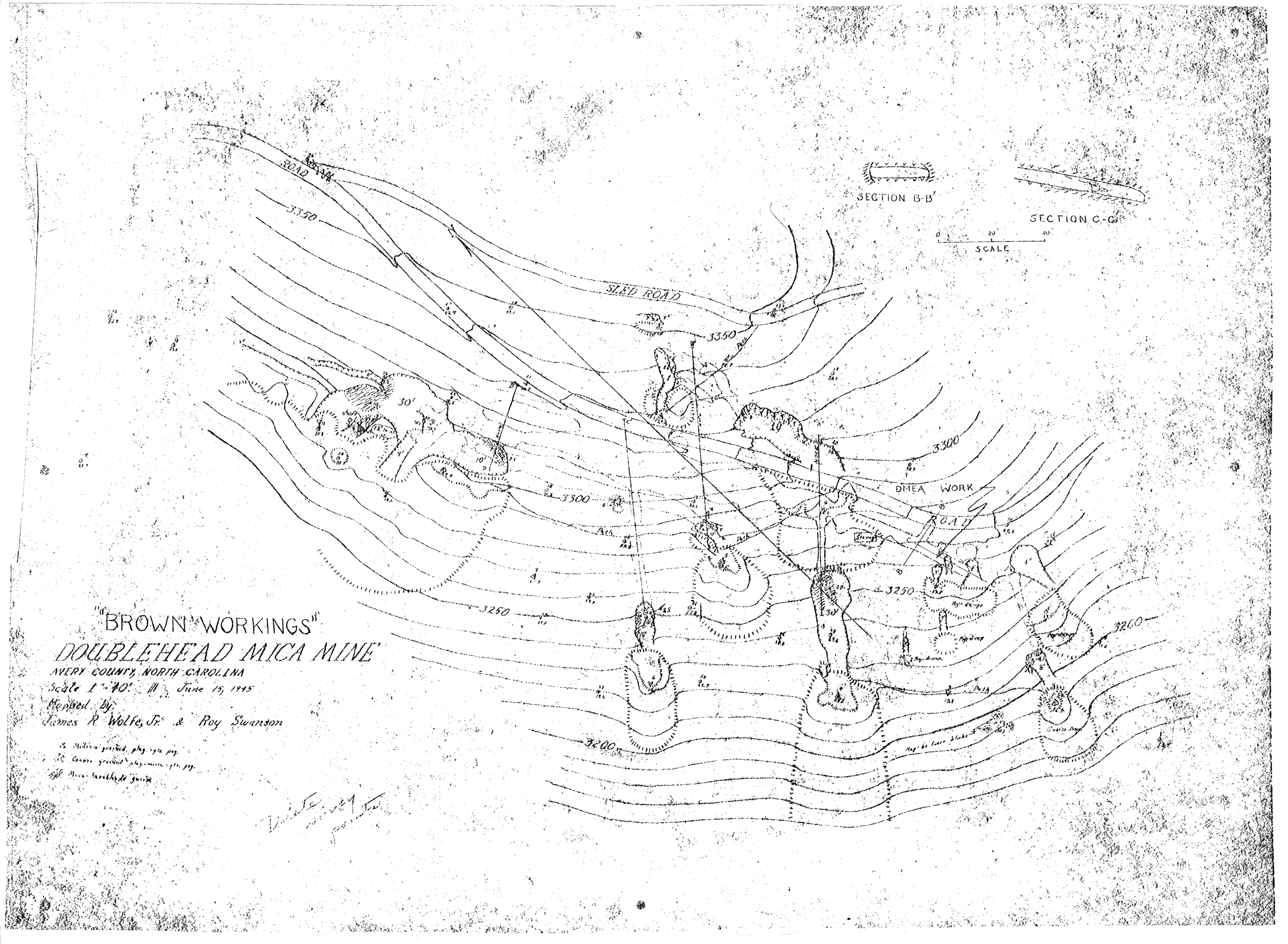
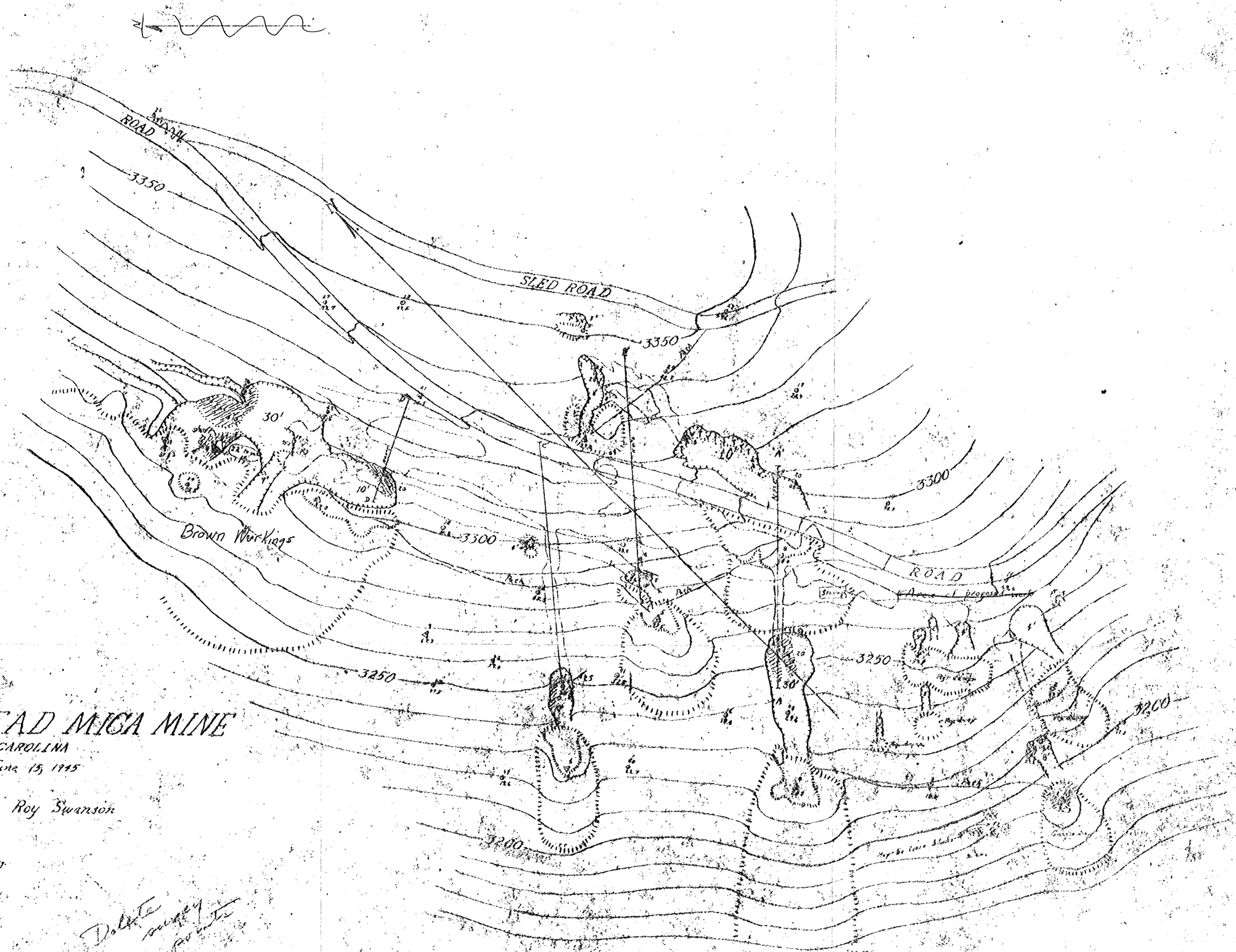
VIA AIR MAIL

Operating Committee
Defense Minerals Exploration Adm.
Interior Building
Washington 25, D.C.


"BROWN" WORKINGS"
DOUBLEHEAD MICA MINE
AVERY COUNTY, NORTH CAROLINA
Scale 1" = 40'
June 15, 1945
Mapped by:
James R. Wolfe, Jr. & Roy Swanson
SECTION B-B'
SECTION C-C'
0 20' 40'
SCALE
ROAD
SLED ROAD
3350
3300
3250
3200
30'
10'
DMEA WORK
ROAD



DOUBLEHEAD MICA MINE

AVERY COUNTY, NORTH CAROLINA

Scale 1" = 40' June 15, 1945

Mapped by

James R. Wolfe, Jr. & Roy Swanson

Delete survey points