Division copy

Defense Minerals Administration
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-E658, 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 D Mitchener
Administrator, Defense Minerals Exploration Administration

Hoffhund
Anderson
Hook
Chandler
Selfridge

JOE C. VANCE

Joe C. Vance

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Joe C. Vance

Plumtree, North Carolina

pertaining to Exploration Project Contract No. Idm-E658, Docket No. DMEA-3212, including Amendment No. 1, for the months of February, 1954 to September, 1954, inclusive, covering a project for the exploration of mica on property, known as the Doublehead Mine, located in Avery County, North Carolina.

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

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

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

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

Total cost as billed by Contractor		$5,040.00
Exceptions:		
By DMEA Finance Officer	$ -0-	-0-
Herewith	-0-	
Total Accepted Cost		$5,040.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Three thousand seven hundred eighty and no/100 Dollars

$3,780.00

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

E. D. Talbert, Auditor

October 20, 1954

Division Copy

OCT 13 1954

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 Pleasantree, 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: W. A. Beck
ACTING EXECUTIVE OFFICER
DMEA REGION VII

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2212
IDM-E658

COMMODITY Mica

Division 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
Pumpkin, North Carolina

hereinafter called the "Operator," as follows: [illegible]

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 Yancy, described as follows:[3] [illegible]

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 [illegible] 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 Index II, substituted for Article 6.

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

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

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Joe C. Vance

_____ (Operator)

JOE C. VANCE

By _____

By O P Mitteudorf

Administrator, Defense Minerals Exploration Administration

Butin
Hotchkiss
Houk
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
Bureau of Mines Commission
Received
FEB 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

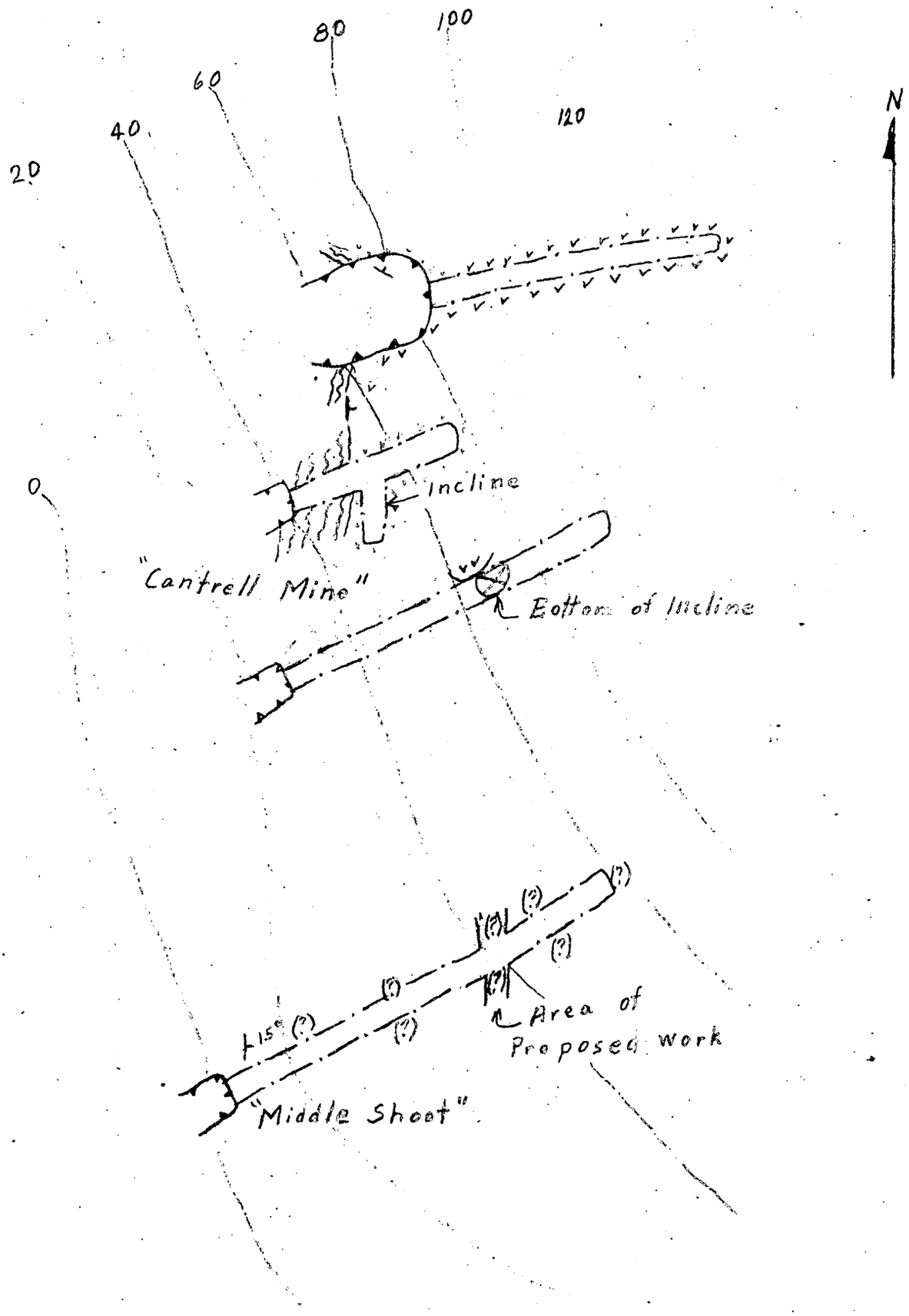
This stage shall be undertaken only after completion of Stage I, and with the prior approval of the Government. Not to exceed an aggregate of 100 feet of crosscut and drift shall be driven, and incline sunk, all 5 feet by 7 feet in cross section in the clear.

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.



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

0 40' 80
Scale

DMEA-3212 (mica)

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

DEPARTMENT OF THE INTERIOR
Bureau of Mineral 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 22, 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, PLUMMERS, 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 production3/ provided for under the terms of said exploration project contract, or any amendment thereof, there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom, until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

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

4. Changes and added provisions

Dated this 13 day of Nov., 195 3.

J. C. Avery Heirs [Seal]

Bruce 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

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-E925. 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,

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

George C. Selfridge

Chairman, Operating Committee

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

WCAnderson:gad 3/13/57

600

JAN 30 1957

Mr. Hubert 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 Burma A. Vance, Agent, for the W. F. Avery Heirs, to the effect that the lease is in good standing.

If all the projects are within the 36.7 acre tract described in the subject application then DMEA-4055, Contract No. Lim-5925, 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. F. Avery Heirs adjoining the leased area.

Sincerely yours,

Approved:

Frank D. Lamb
Member, Bureau of Mines

N. E. Nelson
Member, Geological Survey

George C. Selfridge
Chairman, Operating Committee

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

LGHouk:gad 1/29/57

MAR 1 0 1955

Mr. Joe C. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3212 - Mica
Joe C. Vance
Doubleheed Mine
Avery County, North Carolina
Contract No. Idm-2658

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. Killsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mrs. Buena A. Vance, Agent for W.W.Avery Heirs
(Attached to Field Team copy for forwarding)

Project Summary Report

By: Walter C. Anderson 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.

WCAnderson:gad 3/8/55
Copy to: Admr. R. File
Mr. Houk

IN REPLY REFER TO:

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

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. Hunt, 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 Sheet 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

ELNewcomb:hlm
G-1/18/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061 Interior

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

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.

Signed

W. F. Dietrich

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
EXECUTIVE OFFICER
DMEA REGION VII

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

WAB/sm
cc:
Beck
Lynch
Files

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)

Defense Minerals Administration
RECEIVED
NOV 16 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

BY

Lofton 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

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

November 16, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1954

FINAL REPORT
On
DMRA-3212, DOUBLEHEAD MINE
Mica - Idn-E 658

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 Sheet" 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 DMRA 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 Shoot" 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:

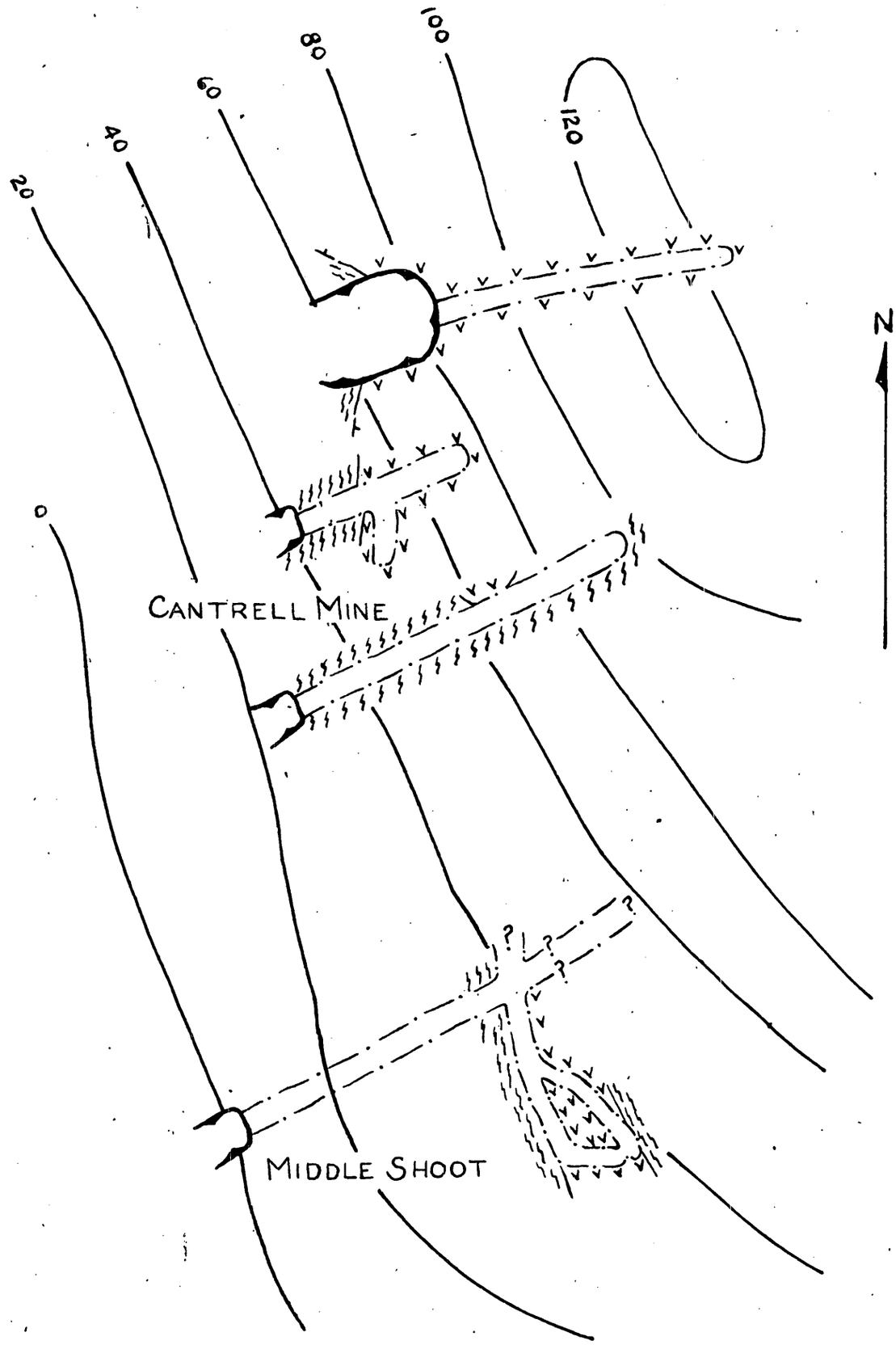
(a)	Total approved	$6,475.00
(b)	Total cost of project	5,040.00
(c)	Government's share of cost	3,780.00
(d)	Government's share unexpended	1,076.25
(e)	Value of production during opr.	None

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

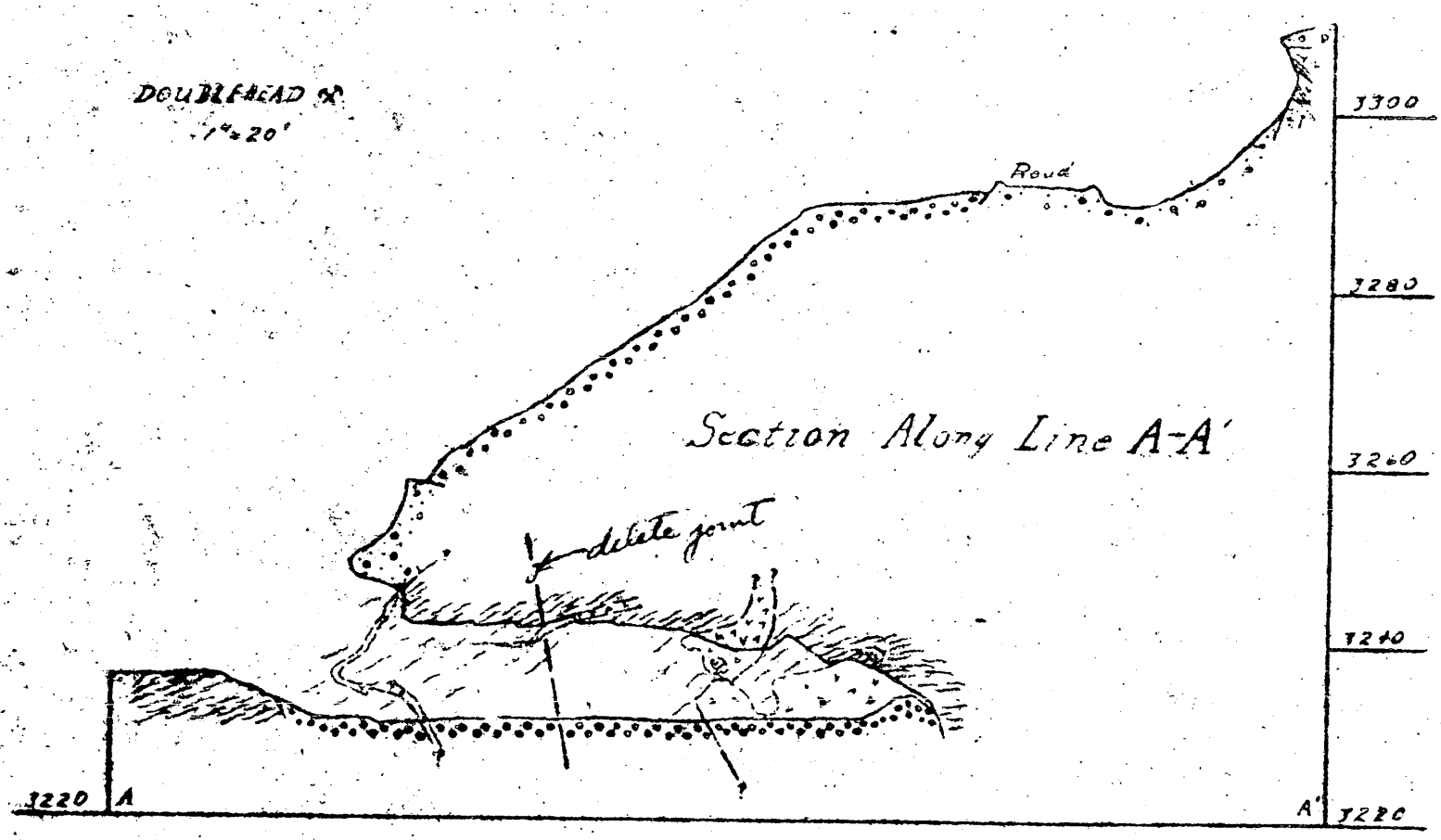
L. E. Shirley, Mining Engineer
U. S. Bureau of Mines



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'

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 WOR 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 BROWN 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 INCLINE FOR 38 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.

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

Approved:

J. H. Hedges

Member, Bureau of Mines

E. L. Newcomb

Member, Geological Survey

WCAnderson:gad 11/8/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Killsgaard, 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.

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

October 15, 1954

OCT 18 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
EXECUTIVE OFFICER
DMEA REGION VII

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 10/18

REFERRED TO:

1. [redacted]
2. Mr. Selfridge
3. Mr. Houk
4.

FOR:

- ---------- Action
- ---------- Approval
- ---------- Comment
- ---------- Conference
- ---------- Consideration
- ---------- Filing
- ---------- Instructions
- ---------- Investigation
- ---------- Initials
- ---------- Mailing
- ---------- Previous correspondence
- ---------- Recommendation
- ---------- Record of ----------
- ---------- Referring to ----------
- ---------- Reply for signature of ----------
- ---------- Rewriting
- ---------- Signature
- ---------- Suggestions
- ---------- Your information

REMARKS: Original retained in MR. HB

Check (X) before the items needing attention.

ROBERT E. ADAMS

Initials of sender.

GPO 16—63815-1

Hold - for Docket return

INTERIM REPORT

DMEA-3212 Idm-2658 (mica) DOUBLEHEAD MINE

OCT 18 1954

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

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. N 86° 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. N. A. Bonk, member of the Field Team, Region VII, accompanied the examiners on this visit to the mine.

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

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

October 6, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 19 1954

xxxxxxxxxxxxxxxxx

Room 13, Post Office Building
Knoxville 2, Tennessee

October 18, 1954

Memorandum

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

From: Executive Officer, DMEA, Region VII

Subject: DMEA-3212, Ida-8658 (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
Executive Officer

RAL/mg
cc
Beck
Lynch
Files
Division File-DMEA

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.

/S/

W. C. Anderson
Nonmetallic Minerals Division

WCAnderson:gad 10/18/54
Copy to: Admr. R. File
Mr. Houk

MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OCT 15 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of SEPTEMBER, 1954 Docket No. DMEA 3212 Contract No. IDM-E 658
Operator's Name JOE C. VANCE Minerals MICA
Address PLUMTREE, N. C.
Contract Amount, $ 6475.00 Government Participation: 75 % Amount, $ 4856.25

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting		$1050.00	$1050.00			
Drifting Incline		1330.00	1330.00			
Middle Shoot						
(2) Labor and Supervision:						
Clearing Portal		300.00	300.00	✓		
Drifting and						
Crisscrossing	350.00	1085.00	1435.00	✓		
(3) Operating Mat'ls. and Supplies:						
Clearing Acc. Rd.		100.00	100.00	✓		
Br. own Workings						
Clearing Portal		600.00	600.00	✓		
Tool House		150.00	150.00	✓		
Powder House		50.00	50.00	✓		
Exploder Magazine		25.00	25.00	✓		
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$350.00	$4690.00	$5040.00	350.00	4,690.00	5040.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10-6-54 *Payee JOE C. VANCE
Per Joe C Vance Title OPERATOR

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

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

(Instructions on reverse)

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

$262.50

Signature Chas. A. Piper
(Authorized Certifying Officer)

Date OCT 13 1954 Vou. No. 71
(See other side)

847 C 9/30 87.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E 658 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Oct. 11, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Lon A. Beck Title ACTING EXECUTIVE OFFICER DMEA REGION VII Date OCT 12 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

OCT 15 1954

Month of SEPTEMBER 1954 Docket No. DMEA 3212 Contract No. IDM-E 658
Operator's Name JOE C. VANCE Minerals MICA
Address PLUMTREE, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting	Foot			$1050.00	30'	$1050.00		
Raising Incline	Foot			1330.00	38'	1330.00	100'	$3500.00
Shafts Clearing Acc. Rd.	1			100.00	1	100.00	1	100.00
Winzes Middle Shoot								
Sinking Clearing Portal	1			300.00	1	300.00	1	300.00
Drifting and								
Crosscutting Criss Crossing	Foot	350.00	10'	1435.00	41'	1435.00	50'	1750.00
Stripping Brown Working								
Trenching Clean Portal	1			600.00	1	600.00	1	600.00
Tool Sheds Tool House	1			150.00	1	150.00	1	150.00
Roads and Trails								
Powder Magazine	1			50.00	1	50.00	1	50.00
Exploder Magazine	1			25.00	1	25.00	1	25.00
Total Distributed Costs		$350.00	10'	$5040.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$350.00		$5040.00				

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

Date 10-6-54 Operator JOE C. VANCE

Per Joe C. Vance Title OPERATOR

Remarks: Final Report Closes out Project. BOTH MIDDLE SHOOT AND BROWN WORKING S.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Daily progress Report for the Month of Sept. 1954
Doublehead mine.

Sept,1. Drilled two rounds
2. Mucked morning shift, extended air line
3. Drilled morning shift mucked afternoon.
6. Worked on compressor morning, drilled aternoon
7. Mucked and cleaned out mine.
8. Drilled one round morning, mucked afternnon
9 Visited by field team, changed direction, set up and drilled
10. Mucked morning, worked on sump pump.
20. mucked morning shift drilled afternoon.
21. mucked morning, drilled two rounds afternoon.
22. Mucked all day, set up to drill.
23. visited by field team told to go a little further
#24 drilled two rounds
24. Mucked morning drilled afternoonand shot into old works.

Did not do ant more work here waited for field team to tell us what to do. Was told by them to stop work.

This finished both projects, Brown workings and Middle Shoot area.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1025 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

Office of the Minerals
Defense Stockpile Administrator
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. Deck.

cc:
Deck
Lynch
Finance Office
Files

INTERIM REPORT

MFA-3212 Mm-BG58 (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, Mining Engineer
U. S. Bureau of Mines

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

September 28, 1944

INTERIM REPORT

2

~~INTERIM REPORT Lay-2668 (mica)~~ DOUBLEHEAD MINE

OPERATOR: Joe C. Venable, Plumtree, North Carolina

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. N 60° W of Plumtree, Avery County, N. C.

Drifting continues in the "Middle Sheet" 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, Mining Engineer
U. S. Bureau of Mines

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

September 8, 1954

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP 17 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1954 Docket No. DMEA 3212 Contract No. IDM-E 658
Operator's Name JOE C. VANCE Minerals Mica
Address PLUMTREE, N.C.
Contract Amount, $6475.00 Government Participation: 75 % Amount, $4856.25

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting		$1050.00	$1050.00			
Drifting Incline		1330.00	1330.00			
(2) Labor and Supervision:						
Labor Middle Street Clearing Prtl.		300.00	300.00			
Supervision Drifting Crs. Crs.	$560.00	525.00	1085.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber Clearing Ac. Rd.		100.00	100.00			
Explosives Brown Working						
Pipe Clearing Prtl.		600.00	600.00			
Tracks Tool House		150.00	150.00			
Powder Magazine		50.00	50.00			
Exploder Magazn.		25.00	25.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$560.00	$4,130.00	$4,690.00	560.00	4,130.00	4,690.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-14

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

Date 9-1-54 *Payee JOE C. VANCE

Per Joe C. Vance Title OPERATOR

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

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

(Instructions on reverse)

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

$ 420.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date SEP 10 1954 Vou. No. 54
(See other side)

7 K

140.00

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E658 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. Date Sept. 2, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date SEP 8 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 17 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1954 Docket No. DMEA 3212 Contract No. DMI-E 658
Operator's Name JOE C. VANCE Minerals Mica
Address PLUMMER, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Drilling: Churn								
Drilling: Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
~~XX~~ Crosscutting	Foot			$1050.00	30'	1050.00		
Incline	Foot			1330.00	38'	1330.00	100'	3500.00
xxClear Acc.Rd.	1			100.00	1	100.00	1	100.00
Middle Shoot								
Clear Portal	1			300.00	1	300.00	1	300.00
Drifting Cro.Cro	Foot	560.00	16'	1085.00	31'	1085.00	50'	1750.00
Brown Work.								
Clear Prtl.	1			600.00	1	600.00	1	600.00
Tool H ouse	1			150.00	1	150.00	1	150.00
Powder Magzn	1			50.00	1	50.00	1	50.00
Explodor Magzn.	1			25.00	1	25.00	1	25.00
Total Distributed Costs		$560.00		$4690.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$560.00		$4690.00				

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

Date 9-1-54 Operator Joe C. Vance

Per Joe C. Vance Title Operator

Remarks: Pegmatite still looking favorable.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Progress report
For Month of Aug.

Aug 2. Drilled two rounds
3 mucked morning drilled afternoon
4 Mucked
5 Extended pipe line drilled
6. Mucked worked on compressor
9. Mucked morning drilled afternoon
10. Drilled two rounds visited by field team
11. Mucked
12 drilled found a few small blocks mica
13, mucked morning drilled afternoon
16. mucked and shot up bottom of tunnel
17 mucked drilled four test holes
18drilled and mucked
19. worked on water line
20. drilled two rounds
23. drilled and mucked
24. Extended air line drilled one round
25. Visited by field team mucked
26. Drilled morning shift mucked afternoon
27. mucked and drilled four test holes
30. drilled in small blocks mica, pegmatite looks good
31 mucked morning shift worked on water line.

INTERIM REPORT

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

Operator: Joe C. Vance, Plumtree, 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, Geologist
U. S. Geological Survey

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

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1954 Docket No. DMEA 3212 Contract No. Ion-3-650
Operator's Name Joe C. Vance Minerals Lithia
Address Pinehurst, N. C.
Contract Amount, $ 6475.00 Government Participation: 75 % Amount, $ 4856.25

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting		1050.00	1050.00			
Drifting Incline		1330.00	1330.00			
(2) Labor and Supervision:						
Labor Middle Shoot						
Supervision Clearing Ert.		300.00	300.00			
Technical Services Dri. Contract. Co.	525.00		525.00			
(3) Operating Mat'ls. and Supplies:						
Timber Clearing Acc.						
Explosives Road		100.00	100.00			
Pipe Drum Hoisting						
Track Clear. Portl.		600.00	600.00			
Tool House		150.00	150.00			
Powder Magazine		50.00	50.00			
(4) Operating Equipment:						
Rental Magazine		25.00	25.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	525.00	3605.00	4130.00	525.00	3,605.00	4,130.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-6

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

Date Aug. 2 *Payee Joe C. Vance

Per Joe C. Vance Title Operator

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

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

(Instructions on reverse)

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

$ 393.75

Signature Conn A. Pigan
(Authorized Certifying Officer)

Date AUG 11 1954 Vou. No. 27
(See other side)

6

13125

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IDM-E658 in accordance with the terms of the contract.

Signature Henry H. Amos Title Geologist-USGS Date Aug. 6, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date AUG 6 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1954 Docket No. DMEA 3212 Contract No. IGn-E-658

Operator's Name JOE C. VANCE Minerals Mica

Address DENVER, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting	Foot			$1050.00	30'	1050.0		
Raising Incline	Foot			1330.00	38'	1330.0	100'	3000.00
Shafts Clear Acc. Rd.	1			100.00	1	100.00	1	100.00
Winzes Middle Shoot								
Drilling Clear Portal	1			300.00	1	300.00	1	300.00
Drifting Churn Crn. Crn	Foot	525.00	15'	525.00	15'	525.00	50'	1750.00
Brown Auger Workings								
Stripping Clear Port.	1			600.00	1	600.00	1	600.00
Trenching Tool House	1			150.00	1	150.00	1	150.00
Test Pits Powder Magn.	1			50.00	1	50.00	1	50.00
Roads and Trails Explo. Magn.	1			25.00	1	25.00	1	25.00
Total Distributed Costs		$525.00		$4130.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$525.00		$4130.00				

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

Date August 2, 1954 Operator Joe C. Vance

Per Joe C. Vance Title Operator

Remarks: This is the first drilling that we have done in the Middle Shoot. Pegmatite looks very favorable.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DAILY REPORT FOR MONTH OF JULY, 1954
JOE C. VANCE, PLUMTREE, N. C.

July 19 -- Moved Equipment to Middle Shoot

" 20 Set up and drilled one round

" 21 Mucked out and drilled two rounds.

" 22 Mucked morning shift, drilled afternoon.

" 23 Mucked and found a few blocks of mica.

" 26 Drilled two rounds and mucked out.

" 27 Pumped water 15 minutes, drilled and mucked.

" 28 Drilled morning, mucked out and drilled.

" 29 Mucked and drilled two rounds

" 30 Mucked, drilled one round before noon, mucked afternoon and drilled one round.

Form MF-304 (Rev.)
(April 1952)

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

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

Month of June, 1954 Docket No. DMEA 3212 Contract No. Idm-E-658
Operator's Name Joe C. Vance Minerals Iron
Address Flagstaff, Ariz. Amount, $ 1056.25
Contract Amount, $ 6475.00 Government Participation: 75%

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing (Por)	350.00	700.00	1050.00			
Crosscutting Incline		1330.00	1330.00			
Drifting Heading						
(2) Labor and Supervision:						
Labor Clearing Pit. Radio Shoot		300.00	300.00			
Supervision						
Technical Services						
(3) Operating Mat'ls and Supplies:						
Timber Clearing Access Rd.		100.00	100.00			
Explosives Drill Working						
Pipe Clearing Pit.		600.00	600.00			
Track Road H ouse		1150.00	1150.00			
Powder Mag.		50.00	50.00			
(4) Operating Equipment: Exploder Mag		25.00	25.00			
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	350.00	3255.00	3605.00	350.00	3255.00	3605.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-1

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

Date 7-1-54 *Payee Joe C. Vance

Per Joe C Vance Title Operator

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

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

(Instructions on reverse)

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

$262.50

Signature Cora A. Pace
(Authorized Certifying Officer)

Date JUL 14 1954 Vou. No. 8

(See other side)

5

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E658 in accordance with the terms of the contract.

Signature Lawrence E. Shurley Title Mining Engr. Date July 3, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of [illegible] 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
Crosscutting	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Raising	[illegible]			[illegible]	[illegible]	[illegible]		
Shafts	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Winzes								
Drilling: Core	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Churn	[illegible]						[illegible]	[illegible]
Auger								
Stripping	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trenching	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Test Pits	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Roads and Trails	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL DISTRIBUTED COSTS		[illegible]	[illegible]	[illegible]				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		[illegible]		[illegible]				[illegible]

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

Date [illegible] Operator [illegible]

Per Joe C. Vance Title [illegible]

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

REMARKS: [illegible]

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

JOS G. VOICE BIR 3212 DRL-1-650
Pittsburgh, Pa. Ellen

DAILY LOGS TO REPORT TO LEVEL OF BIR JUNE 1 1954

June 1- Drilled two to nine

2- Hoisted normal out 6, drilled afternoon.

3- Started afternoon

4- Hoisted down to ninte

5- Drilled one roundtripping, hoisted & pickup some nice (small)

6- Hoisted morning shift, drilled in afternoon

9- Hoisted out

10- Drilled two to nine in porcelite, looks poor.

11- Worked on brake & hoisted

14- Hoisted

15- Drilled & Hoisted

16- Drilled morning, hoisted in afternoon

17- Visited by field trouble work in the area also.

All results required work in July.

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

z

MONTHLY REPORT

MRA-3212 Idm-3658 (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.

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

K. H. Teague & L. H. Ames, Geologists
U. S. Geological Survey

June 3, 1954

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

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

Defense Minerals Administration
RECEIVED
JUN 11 1954

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

Month of May, 1954 Docket No. DMEA 3212 Contract No. Mn-E-658
Operator's Name Joe C. Vance Minerals Mica
Address Plumtree, N. C.
Contract Amount, $ 6475.00 Government Participation: 75% Amount, $ 4856.25

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting (20')		700.00	700.00			
Drifting						
Incline (15')	525.00	805.00	1330.00			
(2) Labor and Supervision:						
Labor Middle Sheet						
Supervision Clearing Patl		300.00	300.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber Clearing						
Explosives Access Road		100.00	100.00			
Pipe Br ssm Working						
Track Clearing Patl.		600.00	600.00			
Tool House		150.00	150.00			
Powder Magazine		50.00	50.00			
Operating Equipment: Magazine		25.00	25.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	525.00	2730.00	3255.00	525.00	2,730.00	3,255.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-71

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 6-3-54 *Payee Joe C. Vance
Per Joe C. Vance Title Operator

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

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

(Instructions on reverse)

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

$ 393.75

Signature [illegible]
(Authorized Certifying Officer)

Date JUN 9 1954 Vou. No. 307
(See other side)

131.25

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Hm-E658 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Wm. Beck ACTING Title EXECUTIVE OFFICER DMEA REGION VII Date JUN 7 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

FORM MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1954 Docket No. DMEA 3212 Contract No. [illegible]-658

Operator's Name Joe C. Vance Minerals Mica

Address Plumtree, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	Feet			700.00	20	700.00		
Raising Incline	Feet	525.00	15	1330.00	38	1330.00	100	3500.00
Shafts Clear Acc. Rd.	1			100.00	1	100.00	1	100.00
Winzes Middle Shoot								
Drilling: Other Portl.	1			300.00	1	300.00	1	300.00
Churn								
Brown Augering								
Stripping Clear Portl.	1			600.00	1	600.00	1	600.00
Trenching Tool House	1			150.00	1	150.00	1	150.00
Test Pits Powder Magzn	1			50.00	1	50.00	1	50.00
Roads and Trails Magzn	1			25.00	1	25.00	1	25.00
TOTAL DISTRIBUTED COSTS		$525.00	15	$3255.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$525.00		$3255.00				

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

Date 6-3-54 Operator Joe C. Vance

Per Joe C. Vance Title Operator

REMARKS: Worked on Incline This Month

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DRILL PROGRESS REPORT FOR MAY, 1954

Day 3- Drilled two rounds by day shift, night shift mucked-
4- Drilled one round & mucked day shift, same night shift.
5- Drilled and worked on water line, night shift mucked.
6- Drilled two rounds day shift, night shift mucked.
7- Drilled & mucked, night shift drilled two rounds.
10- Day shift mucked, night shift drilled
11- Mucked & drilled-night shift mucked & extended track
12- Day shift dug up bottom of incline, night shift muck ed.
13- " " Drilled two rounds, night shift mucked.
14- Extended water & air line drilled one round, night shift drilled one round & mucked.
17- Mucked out morning, drilled one round, night shift mucked out & drilled
18- Drilled two rounds, night shift mucked.
19- Drilled one round & mucked, night shift same.
20- Visited by Gold Corp, drilled one round & mucked, night shift pumped water & muck ed.
21- Worked on track & switch, night shift drilled.
24- Mucked & drilled one round, replaced two valves on air line, night shift drilled two rounds.
25- Day shift mucked, Night shift drilled.
26- Mucked morning, drilled afternoon. Night shift mucked & drilled one round.
27- Mucked & drilled one round, night shift pumped water & mucked.
28- Drilled two rounds, night shift mucked.
31- Drilled one round, pumped water, night shift mucked.

a lot of rounds for 15' advance
What constitutes a round here?

PROGRESS REPORT

TEMA-3212 Mn-3253 (mica) Doublehead Ridge

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

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 feet N 50° W of Altatree, 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. 35 feet of adit has been reconditioned at this location. The adit extends for 64 feet in a N 60° W direction, turning abruptly at this point to N 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 rock and loose material was removed, stulls were set where needed and the last 21 feet was set and top lagged. Suggestions concerning necessary additional timbering 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.

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

E. M. Cros & T. L. Teague, Geologists
U. S. Geological Survey

May 20, 1954

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

Budget Bureau No. 42-
Approval expires 6-30-5

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

Month of April 1954 Docket No. DMEA 3212 Contract No. Idm-1-650

Operator's Name Joe C. Vance Minerals Mica

Address Plumtree, N. C.

Contract Amount, $ 6475. Government Participation 75 % Amount, $ 4856.25

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting (20')		700.00	700.00			
Drifting Incline (1 4')	490.00	315.00	805.00			
(2) Labor and Supervision:						
Labor Clearing Portal Loc.	300.00		300.00			
Supervision						
Technical Services						
(3) Operating Mat'ls and Supplies:						
Timber Road (Brown)		100.00	100.00			
Explosives						
Pipe Clearing Portal		600.00	600.00			
Track Tool House		150.00	150.00			
Powder Magazine		50.00	50.00			
Expld. Magazine		25.00	25.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	790.00	1940.00	2730.00	790.00	1,940.00	2,730.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 64

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

Date 5-1-54 *Payee Joe C. Vance

Per Joe C. Vance Title Operator

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

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

(Instructions on reverse)

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

$ 592.50

Signature Carl A. Pipes
(Authorized Certifying Officer)

Date MAY 13 1954 Vou. No. 287

(See other side)

3

19.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idn-E658 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: ACTING EXECUTIVE OFFICER

Signature W. M. Beck Title DMEA REGION VII Date MAY 10 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No.
Approval expires 6-30

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED MAY 17 1954

Month of April 1954 Docket No. DMEA 3212 Contract No. Idm-R-658

Operator's Name Joe Vanco Minerals Mi cn

Address Plumtree, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Foot			700.00	20	700.00		
Crosscutting Mollino	Foot	490.00	14	805.00	23	805.00	100	3500.00
Raising								
Shafts Clear Acc. Adit	1			100.00	1	100.00	1	100.00
Winzes Middle Shoot	1	300.00	1	300.00	1	300.00	1	300.00
Drilling: Coring portal etc								
Churn								
Auger Brown								
Clearing Port.				600.00	1	600.00	1	600.00
Stripping Tool House				150.00	1	150.00	1	150.00
Trenching Powder Mag.				50.00	1	50.00	1	50.00
Test Pits Exold. Mag.				25.00	1	25.00	1	25.00
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$790.00	15	$2730.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		$790.00		$2730.00				

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

Date 5-1-54 Operator Joe C. Vanco

Per Joe C. Vanco Title Operato r

REMARKS: Middle Shoot consisted of one Unit and was finished this month. All other work was in Brown Workings.

See attached narrative.

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

(Instructions on reverse)

(For Government use only)

2-R1151.1
53.

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATORS
MONTHLY PROGRESS REPO RT
FOR TH E
MONTH OF April 1954

Date work began- Feb. 1, 19 54

DMEA-3212
Idm-E 658

Wo rk Accomplished

Bro wn Workings

4-1-54 Drilled two rounds worked on switch.

4-2-54 Mucked out mine

4-5-54 Drilled one round in morning-worked on track line

4-6-54 Pumped water- mucked

4-7-54 Drilled 8 6 ft. holes, shot, mucked

4-8-54 Visit by fiel d team, pumped water, mucked

4-9-54 Changed H oist-finished mucking.

No work this week except exchanged Air Compressors

Middle Chute

4-19-54 Began timbering in Middle Chute

4-20-54 Put in water line and began removing water

4-21-54 Put in heavy timber

4-22-54 Started moving old muck pile- Visit by Field Team.

4-23-54 Finished Timbering into solid Rock

4 Back to Brown Workings

4-26-54 Drilled & mucked

4-27-54 Began drilling up bottom

4-28-54 Mucked out morning shift and showed some small mica in bottom pegmatite.

4-29-54 Drilled and shot down to bottom slate

4-30-54 Pumped water and mucked out clean.

[illegible]

[illegible]-212 [illegible]

[illegible] Joe W. [illegible], [illegible], North Carolina.

[illegible] along the west side of Doublehead Ridge, near Doublehead Creek, [illegible] ft. [illegible] of [illegible], [illegible] County, N. C.

Incline sinking continues on the [illegible] on this contract and is now at 28 feet. The pegmatite 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° [illegible] direction in pegmatite composed of feldspar, quartz and scattered [illegible] mica, nearly all of which contains "[illegible]" structure and is [illegible] badly. Perlite, epidote and garnet was observed in rock. The per cent face shows 2 to [illegible] feet of pegmatite in the lower section and [illegible] 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.

[illegible] F. Shirley, Mining Engineer
[illegible] Bureau of Mines

[illegible], Geologists
[illegible] Geological Survey

April 8, 1954

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1954 Docket No. DMEA 3212 Contract No. Idm-E-658

Operator's Name JOE C. VANCE Minerals MICA

Address PLUMTREE, N. C.

Contract Amount, $6475.00 Government Participation: 75 % Amount, $4856.25

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting (20')	$700.00		$700.00			
Drifting						
Incline (9')	315.00		315.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls and Supplies:						
Clearing Access Road		100.00	100.00			
Clearing Portal Etc. (Brown Wrk)		600.00	600.00			
Tool House		150.00	150.00			
Powder Magazine		50.00	50.00			
Exploder Mag.		25.00	25.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1015.00	$925.00	$1940.00	1,015.00	925.00	1,940.00

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

Date Apr. 1, 1954 Payee Joe C. Vance

Per Joe C Vance Title Operator

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

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

(Instructions on reverse)

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

$761.25

Signature Cora A. Piper (Authorized Certifying Officer)

Date APR 6 1954 Vou. No. 262

(See other side)

2

253.75

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idaho-E65 in accordance with the terms of the contract.

Signature Lawrence R. Shirley Title Mining Engr. U.S.B.M. Date April 5, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. E. Beck ACTING Title EXECUTIVE OFFICER DMEA REGION VII Date APR 5 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1954 Docket No. DMEA 3212 Contract No. IDM-E-658
Operator's Name Joe C. Vance Minerals Mica
Address Plumtree, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting	Feet	$700.00	20	$700.00	20	700.00		
Raising Inaline	Feet	315.00	9	315.00	9	315.00	100	3500.00
Shafts								
Winzes Clear Access Road				100.00	1	100.00	1	100.00
Drilling: Core								
Churn								
Auger (Brown								
Cleaning Portal Etc.				600.00	1	600.00	1	600.00
Tool House				150.00	1	150.00	1	150.00
Test Powder Magazine				50.00	1	50.00	1	50.00
Roads and Tool Mag.				25.00	1	25.00	1	25.00
Total Distributed Costs		$1015.00	29	$1940.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$1015.00	29	$1940.00				

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

Remarks: See Narrative Attached

Date April 1, 1954 Operator Joe C. Vance

Per Joe C. Vance Title Operator

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATORS
MONTHLY PROGRESS REPORT
FOR THE
MONTH OF March 1954

Date work began Feb. 1, 1954

DMER-3212
Idm-S 658

WORK ACCOMPLISHED

March 1, 1954- Drilled 3-6' holes. Worked on drill. Shot

" 2 " Mucked out, drilled and shot.

" 3 " Sharped up sides

" 4 " Mucked out 15 car loads- worked on track.

" 5 " Drilled 8-4' holes. Started Crosscutting.

" 8 " Mucked

" 9 " Drilled & Mucked.

" 10 " Drilled 16-6' holes, used 96 sticks powder.

" 11 " Started drilling and discussed contract with visiting Field team Engineers.

" 12 " Mucked and worked on Truck.

" 15 " Mucked out all of one side and drilled.

" 16 " Mucked till 12 none, worked on machinery.

" 17 " Drilled 11-6' holes.

" 18 " Mucked 15 cars- Drilled.

" 19 " Drilled 7-4' holes in east end- mucked.

" 22 " Mucked- Drilled

" 23 " Mucked- Drilled

" 24 " Mucked & sharped up heading-Drilled.

" 25 " Started drilling up bottom of cut. Visited by Field Team and measured for a cut of two ft. They said to start in the heading on Incline.

" 26 " Drilled in pigmatite -extended pipe for Air & water, extended track.

" 29 " Mucked & Finished track.

" 30 & 31 " Drilled 10-6' Holes - East side showed a few blocks mica, mucked last afternoon.

A

[illegible]

[illegible]-3218 [illegible]-[illegible] ([illegible])

[illegible]: Joe [illegible] Vance, [illegible], [illegible]

[illegible]: Along the west side of [illegible] Ridge, near [illegible] Creek, [illegible] feet at 60° [illegible], [illegible] County, [illegible]

Work continues in the "Brown Workings" on this contract. No progress is reportable on the "Middle Fork 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 ore was recovered. Work was discontinued in 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. This pegmatite can be observed on the north~~east~~west side of the workings and to the south~~west~~east.

[illegible] [illegible] Charles, [illegible] Engineer
[illegible] [illegible] Bureau of Mines

[illegible] [illegible] [illegible], Geologist
[illegible] [illegible] Geological Survey

March 25, 1954

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-55

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
RECEIVED 241
MAR 24 1954

ATTACHED ON VOUCHER & SCHEDULE OF PAYMENTS K-55

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1954 Docket No. DMEA 3212 Contract No. ldm-E658

Operator's Name Joe C. Vance Minerals Mica

Address Plumtree, N. C.

Contract Amount, $ 6475.00 Government Participation: 75 % Amount, $ 4856.25

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractors:						
Clearing Access Road	100.00	-----	$100.00			
Clearing Portal etc; (Brown Workings)	600.00	----	600.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber Tool House	150.00	---	150.00			
Explosives Powder Magazine	50.00		50.00			
Pipe Exploder Magazine	25.00		25.00			
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$925.00		$925.00	925.00		925.00

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

Date 3/5/54 *Payee Joe C Vance

Per _____ Title Operator

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

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

(Instructions on reverse)

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

$ ~~832.50~~ 693.75 was

Signature Cora A. Pipes
(Authorized Certifying Officer)

Date MAR 16 1954 Vou. No. 241

(See other side)

2/1/54 231.25

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Tdm-E6.5d in accordance with the terms of the contract.

Signature Lawrence E. Shurley Title Mining Engr. U.S.B.M. Date March 10, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date MAR 12 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

Defense Minerals Administration
RECEIVED
MAR 24 1954

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

Month of February 1954 Docket No. DMEA 3212 Contract No. Idm-E658

Operator's Name Joe C. Vance Minerals Mica

Address Plumtree, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Clear Access Road	Each	100.00	1	$100.00	1	100.00	1	100.00
Drilling: Core								
Churn (Brown)								
Auger								
Clearing Portal etc; E.		600.00	1	$600.00	1	600.00	1	600.00
Stripping								
Tool House	Each	150.00	1	150.00	1	150.00	1	150.00
Trenching								
Powder Mag,	Each	50.00	1	50.00	1	50.00	1	50.00
Test Pits								
Exploder Mag	Each	25.00	1	25.00	1	25.00	1	25.00
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$925.00		$925.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$925.00		$925.00				

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

Date 3/5/54 Operator Joe C. Vance

Per _____ Title Operator

REMARKS: (Brown workings Tool house, Powder Magazine, Exploder magazine, Clearing access road, Dewatering tunnell, Clearing portal, dewatering incline, Installing track and switch, reconditioning adit and incline.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Operators
Monthly Progress Report
For the
Month of February 1954

Date work began Feb)1st
DMEA-3212
Idm-E658

Daily Notes

Feb. 1. Hired four workmen, acquired lumber, Bull-dozed road.
" 2 Started removal of loose muck, from middle shoot, and began work on tool house.
3. Hauled machinery and piping and started dewatering.
4. Laid track and worked on tool house.
5. Mucked and discussed contract with visiting Field Team.
Feb. 8. Worked on tool house and removed muck from mine.
9. Set Timber in portal.
10. Laid more water line and extended track.
11. Installed timber in middle shoot.
12. Mucked and worked on Powder magazine
Feb. 15 Set down Ingersoll Compressor 105 Installed air line 2" 110ft
16 Worked laying track and making switch.
17 removed muck and set timber.
18 widened tunnell, finished timbering portal.
19 extended air line for pump, removed muck.
Feb. 22. Drilled holes for setting timber to hold loose muck
23. Installed hoist, mucked from incline, started pumping water
24. Removed all water from bottom of incline and loose muck
25. Cleared all surplus muck from incline, and pumped water talked with visiting field team, was informed by them that work was progressing according to contract, and to send in report on completed units.

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

INTERIM REPORT

MMA-3212 Mdn-3658 (mica) ALPHEA MINE

OPERATOR: Joe G. Banos, 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 Crown 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.

"Crown 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. O. Fairley, Mining Engineer
U. S. Bureau of Mines

M. M. Teague & J. M. Amos, Geologists
U. S. Geological Survey

March 11, 1954

Mrs. Anderson

[illegible] 1954

[illegible]

[illegible]-0212 [illegible] (Mine) [illegible]

[illegible] Coal Co., [illegible], Kentucky, [illegible] Carolina.

[illegible]: Slope, [illegible] side of [illegible] Ridge, near Doubleload Creek, 2000 feet [illegible] of Hindman, Perry County, [illegible].

Work continues on this contract and has been confined largely to the drill boring.

"Little Clone" area. [illegible] rehabilitation has been accomplished. The floor has been [illegible], providing [illegible] room. Repairing [illegible] necessary to the roof [illegible] built. As soon as rehabilitation is completed crosscutting and drifting will begin.

"Brown Orange" area. Rehabilitation has been completed in this area. Some of the existing timber was removed in examination of the area [illegible]. A drinking fountain was erected in 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 rock from rolling 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. [illegible] Cook, member of the [illegible], Region [illegible], accompanied the field engineers on their visit to the mine.

[illegible] C. Charley, Mining Engineer
[illegible] Bureau of Mines

[illegible] Hague [illegible], Geologists
[illegible] S. Geological Survey

February 25, 1954

Mr. Anderson

[illegible] REPORT

[illegible]-3212 [illegible]-C58 (mica) D[illegible]

[illegible] 23 1954

OPERATOR: Joe D. Vance, Burnsville, North Carolina.

LOCATION: Along the west side of Doublehead Ridge, near Doublehead Creek, 4000 ft. S. 50° E. of Burnsville, 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 Sheet" 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 timbering was outlined. No track has been laid 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 camp area to enter 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. A. Shirley, Mining Engineer
U. S. Bureau of Mines

K. M. Teague and Lewey Amos,
Geologists, U. S. Geological Survey

February 11, 1954

JAN 2 3 1954 600

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

Subject: Docket No. DMEA-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

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

Enclosures 10

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

IN REPLY REFER TO:

[illegible] G-211-CRM

Defense Minerals Administration
RECEIVED
JAN 19 1954

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

Memorandum

January 18, 1954

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMA-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: R. P. 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. Vanes, 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

Brobst:jeh
1/18/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3 ✓
Brobst G-230

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

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

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

RECEIVED
DEC 29 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
Executive Officer, DMEA-Region 7

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

xm.
cc:
Beck
Lynch
Files

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

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

"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

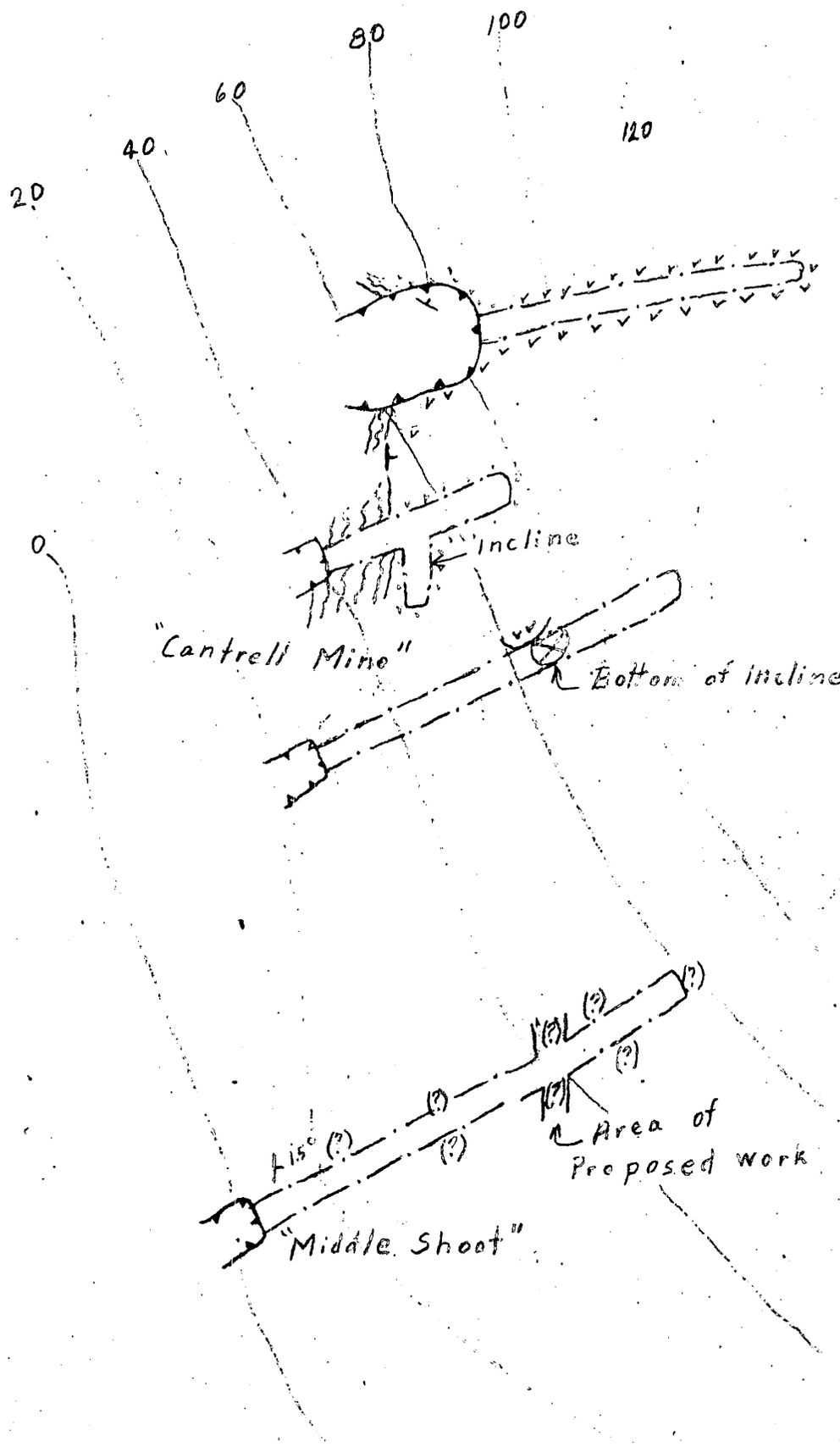
Estimated time required - 8 months.

December 22, 1953.

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

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

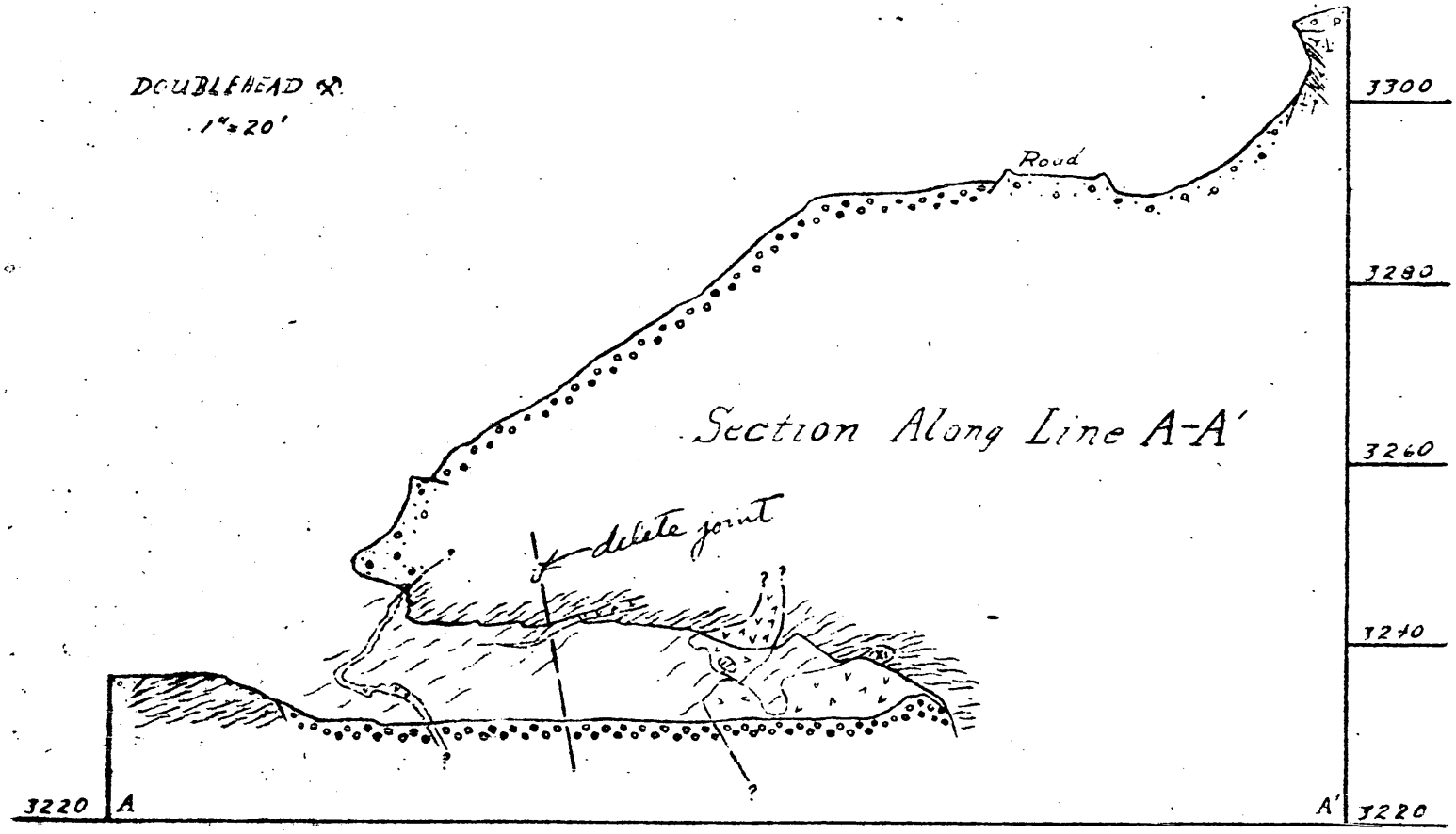
xx



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

0 40' 80
Scale

DMEA-3212 (mica)


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

630

DEC 21 1953

Mr. Joe C. Vance
Plumtree, North Carolina

Re: Docket No. [illegible]-3712 - Miss
Bootleghead Mine
Avery County, North Carolina

Dear Mr. Vance:

Your application for assistance in exploring the subject property has been reviewed by the Domestic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, 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,

E. O. Eisenhower

Administrator

Stenohertsenig 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

600

DEC 21 1953

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

Subject: Docket No. DMFA-3212 - Mica
Doublehead Mine
Avery County, North Carolina

Dear Mr. Lawrence:

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 DMFA-3214 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

Approved:

J. H. Hedges

Member, Bureau of Mines

T. P. Thayer

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

C
O
P
Y

Plumtree, N. C.
Dec. 12, 1953

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

Re: Docket No. DMEA-3212 - Mica
Doublehead Mine
Avery County, N. C.

Washington, D. C. 25

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,

/s/ Joe C. Vance

Doublehead Mine

Mr. Robert A. Lawrence
Executive Officer, [illegible]
Field Team, Region VII
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Subject: Docket No. [illegible]-3217 - Rice Doublehead Mine
Avery County, North Carolina

Dear Mr. Lawrence:

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 [illegible]-7414 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,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

Enclosures 4

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

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 G. 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

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

DEPARTMENT OF THE INTERIOR
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.

Signed

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2114, DOUBLEHEAD MINE
Mica
Plumtree, Avery County, N. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

By

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines
*
*
Kefton H. Teague, Geologist
U. S. Geological Survey

May 7, 1952

DEFENSE MINERAL EXPLORATION ADMINISTRATION, REGION VII

REPORT OF FIELD EXAMINATION ON

DMEA-2444, DOUBLEHEAD MINE
Mica
Plumtree, Avery County, N.C.

The Doublehead Mine is located along the west side of a ridge near Doublehead Creek, 4000 feet N. 50° W of Plumtree, Avery County, N.C.

Little information can be added by the Field Team to that already available in the R. H. Johns report on the Doublehead Mine. It would appear from the recent examination that three different mica shoots have been worked on the property. Whether they occur in the same, or separate pegmatites is not known. The "Cantrell Mine," a middle shoot, and the "Brown Tunnel" as shown on the sketch attached to the application have been extensively mined. Within recent months the Applicants have driven a 110 foot adit in a N. 40° E direction from a point midway between the "Cantrell Mine" and "Middle Shoot." No mica was obtained from this operation.

In the application mention is made of a diamond drill hole. This statement is in error. Apparently the Applicants intended to refer to a jackhammer drill hole drilled in the floor of the large Brown stope at the southeast end of the workings. It is reported that pegmatite was encountered and a winze sunk, but water was encountered and the winze was abandoned.

Samples of mica from this mine were collected and submitted to G. S. A. for appraisal. Results of this appraisal indicated that the mica from this mine is unacceptable for the National stockpile. A denial letter dated May 29, 1952 was sent to the Applicants by DMEA.

A. L. Peyton, USBM

K. H. Teague, USGS

May 7, 1952

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.

Doublehead Mine
Plumtree, N. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 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. can 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.

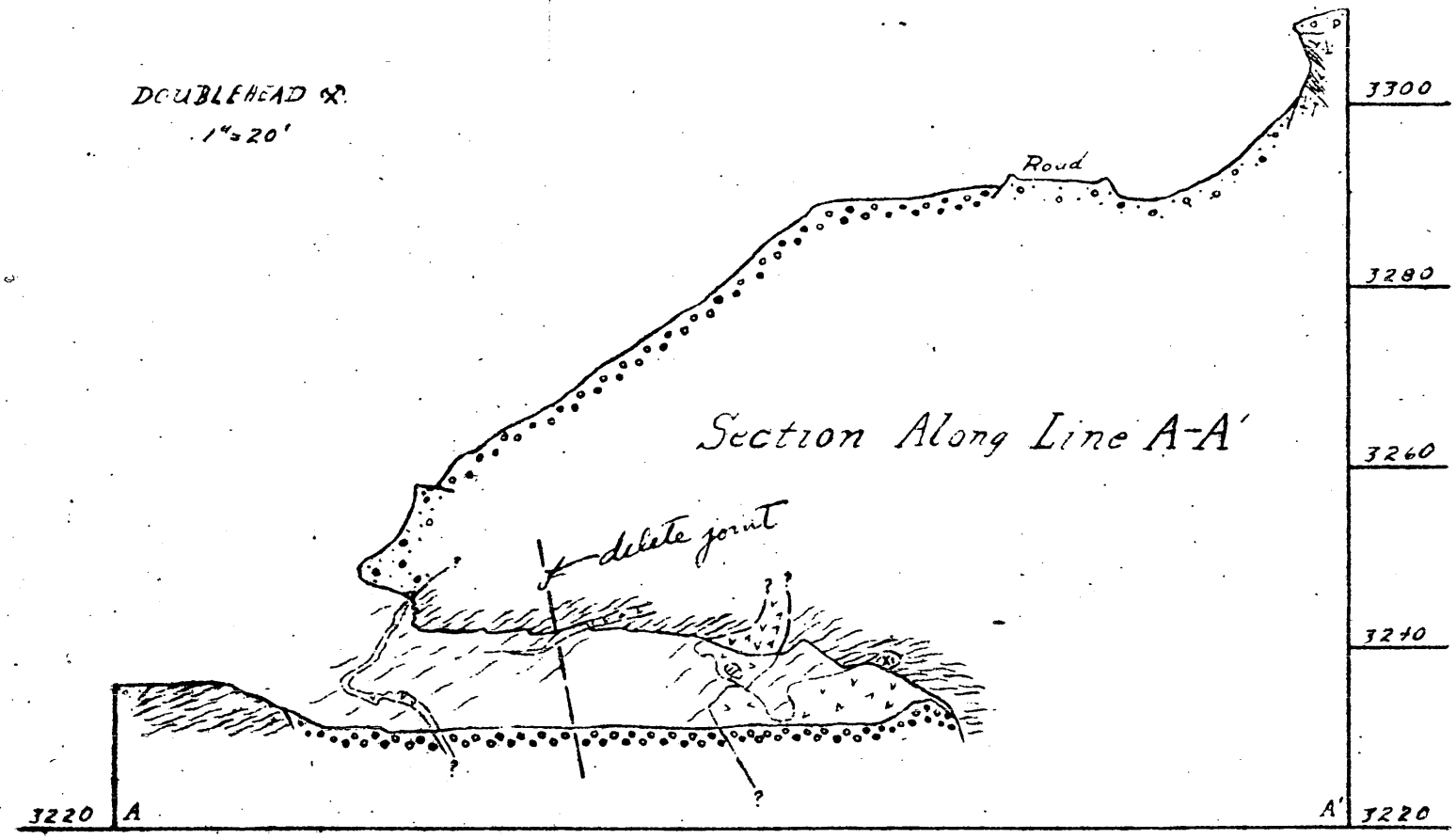
(G) Nothing seems to be repaired to the operating equipment at present.

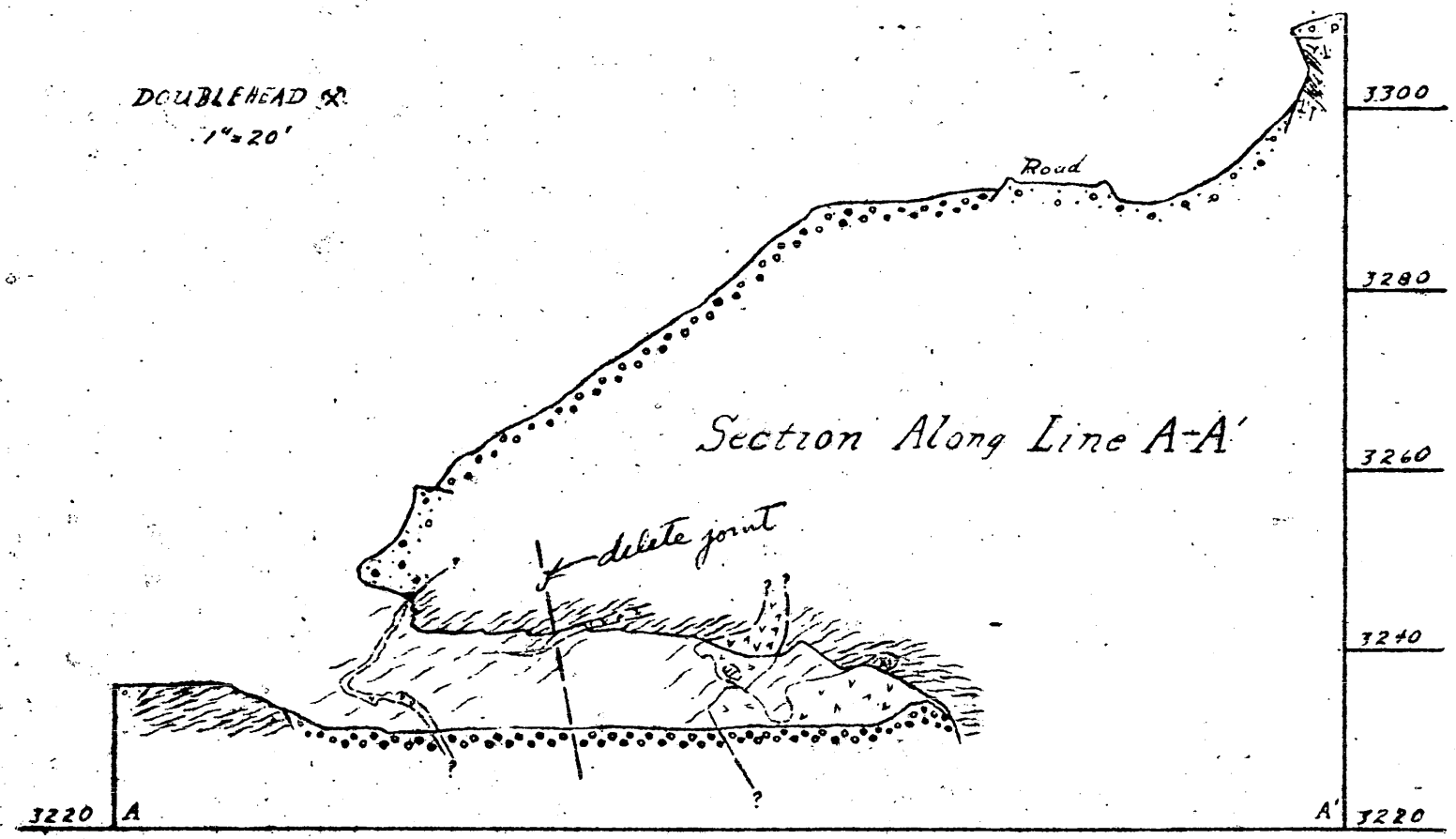
(H) None.

It seems to me that it would take around $2000.00 to drill a 50 ft tunnel clean out the old tunnel erect the above bldg, pay the equipment rental, labor and supplies.

6 Copies

DOUBLEHEAD ✗.
1" = 20'




DOUBLEHEAD
1" = 20'
Road
Section Along Line A-A'
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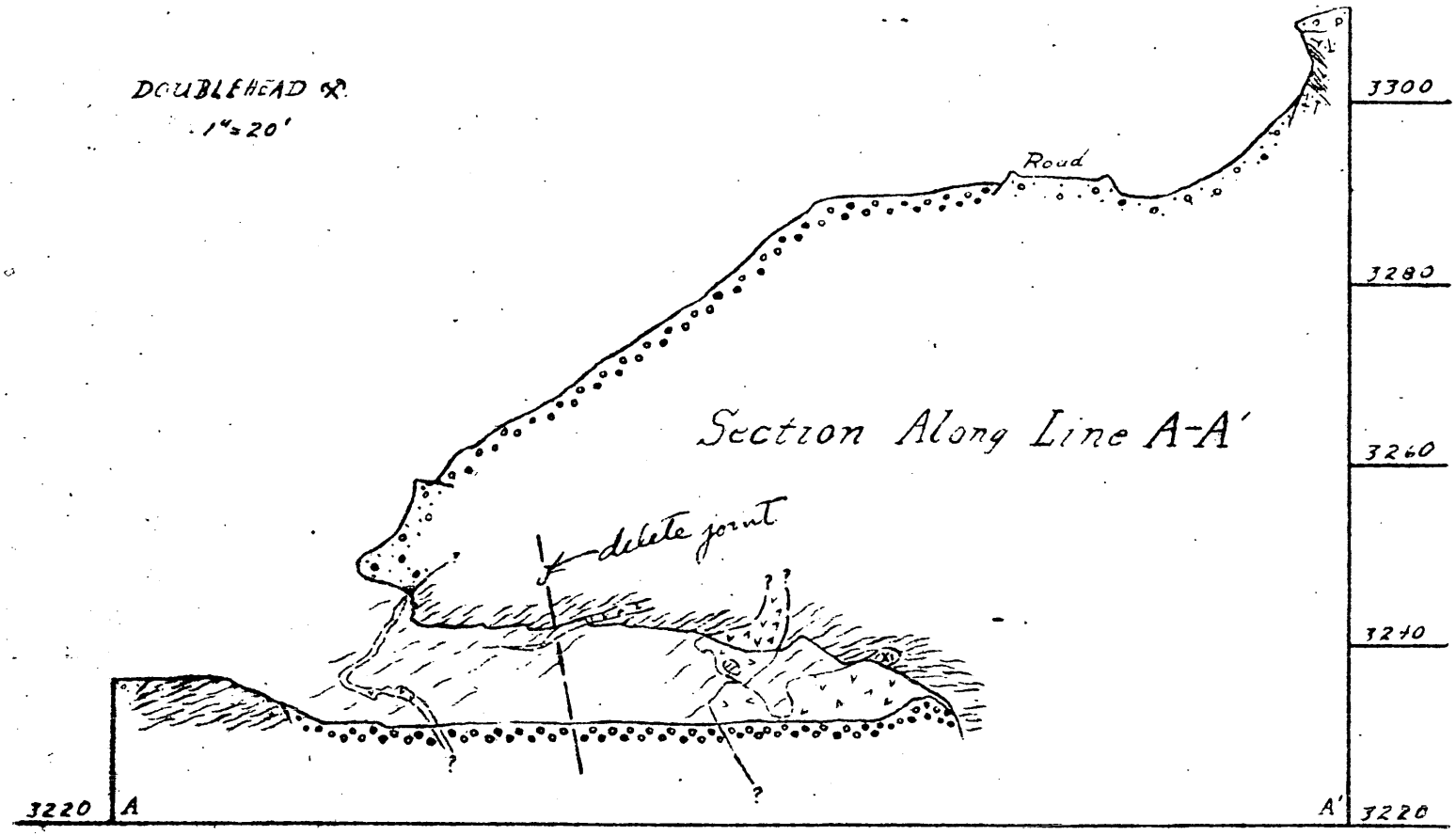
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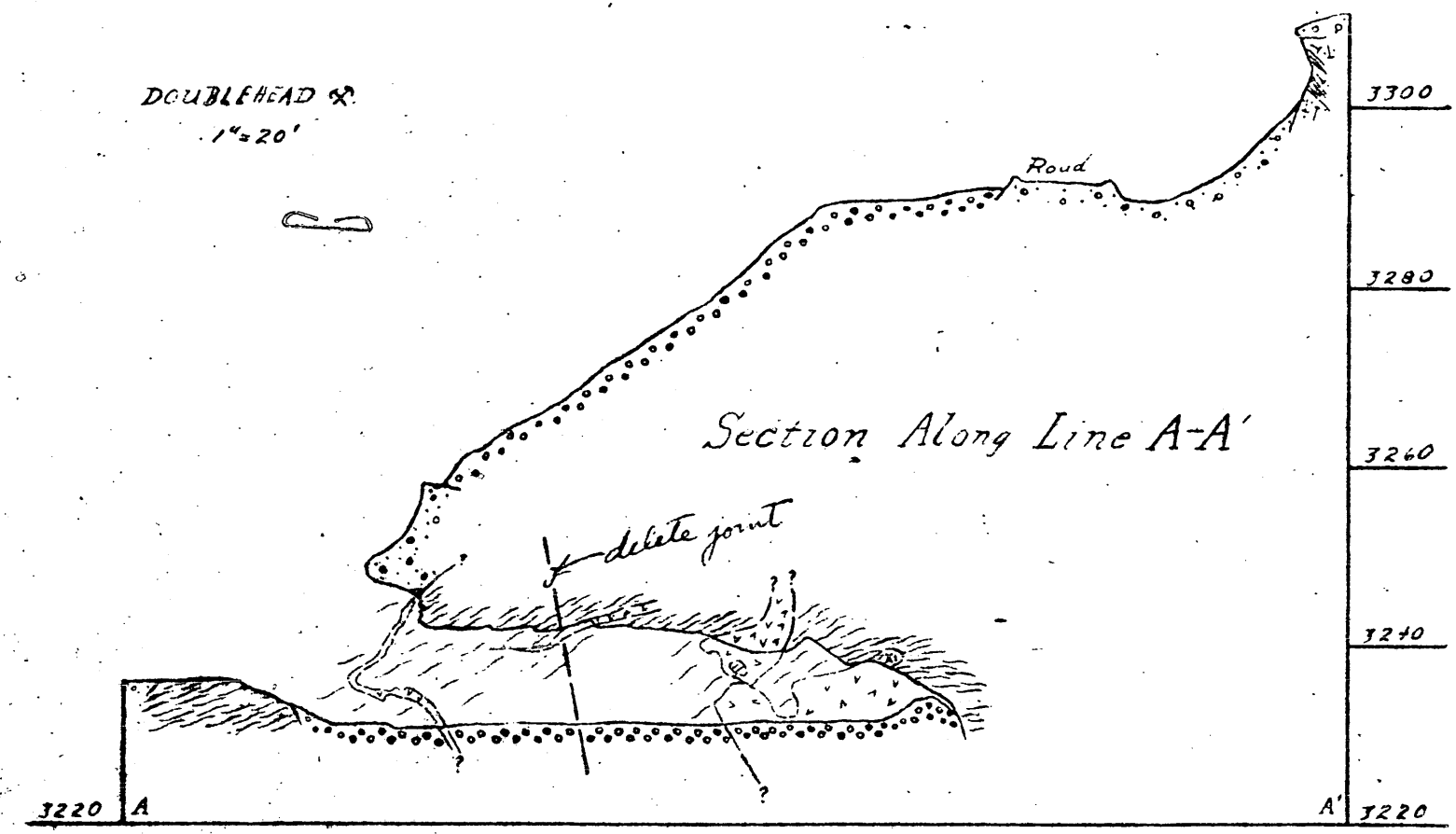
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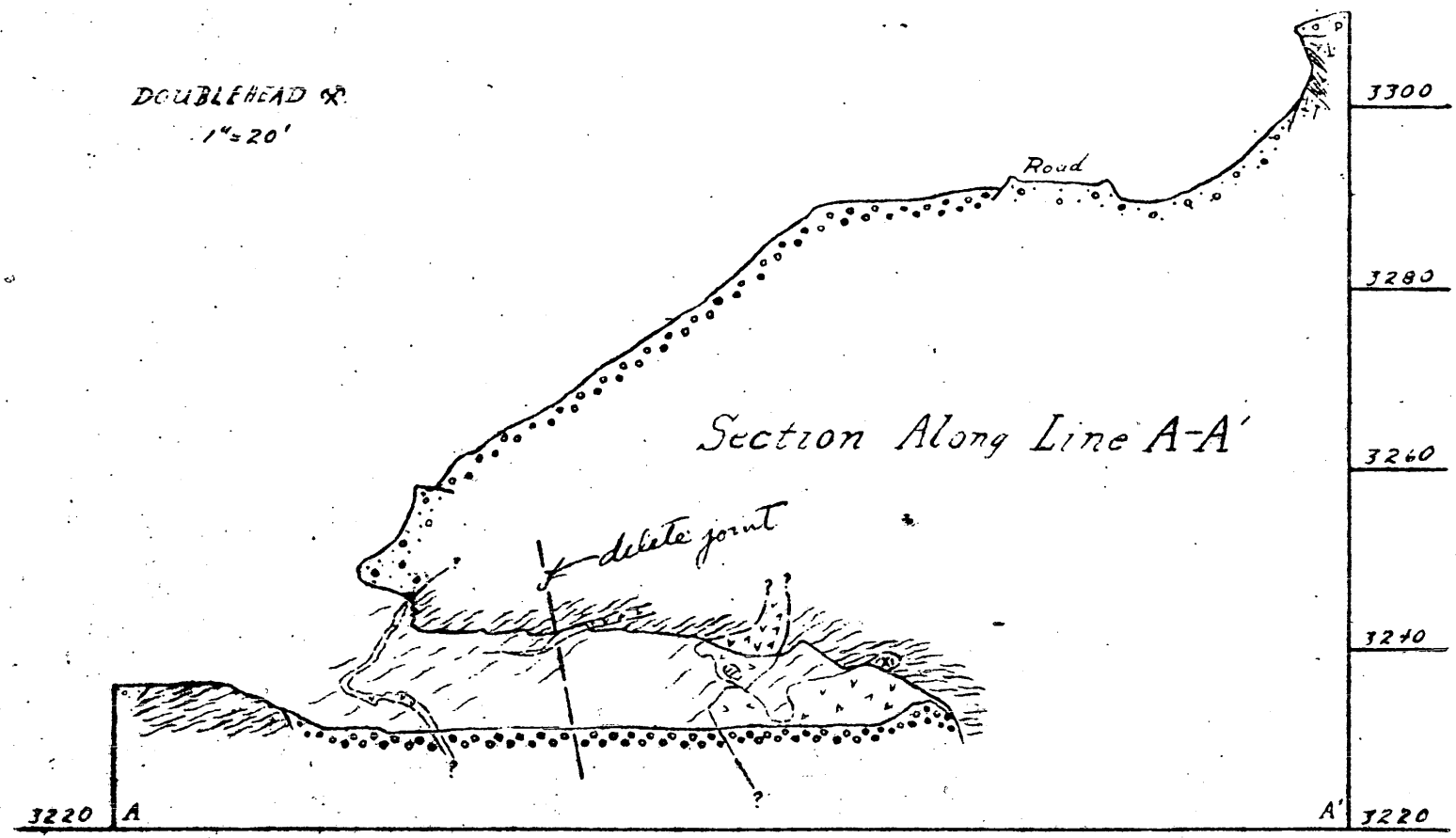
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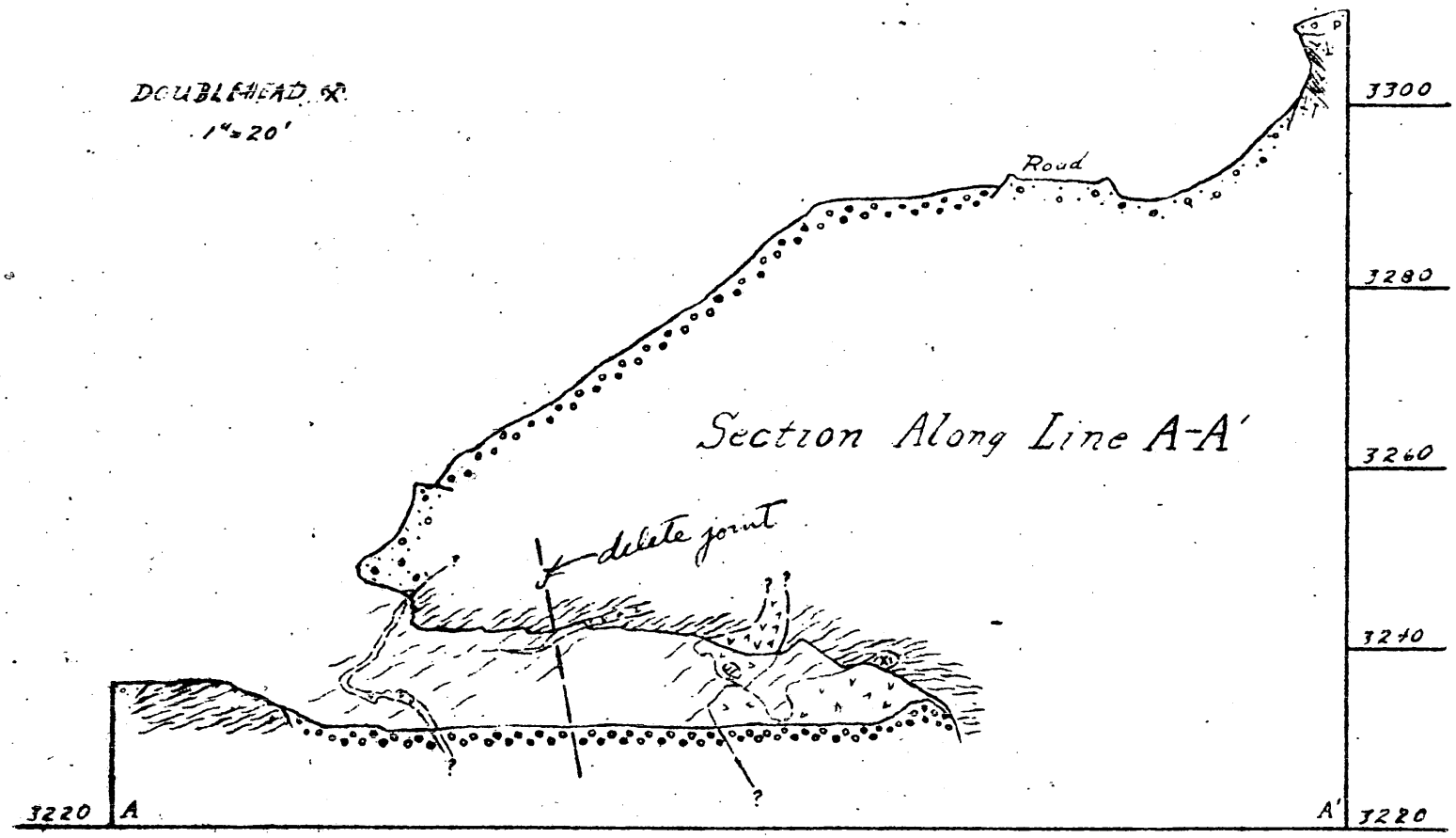
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delete joint
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IN REPLY REFER TO:

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

G-FD-CNR

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.

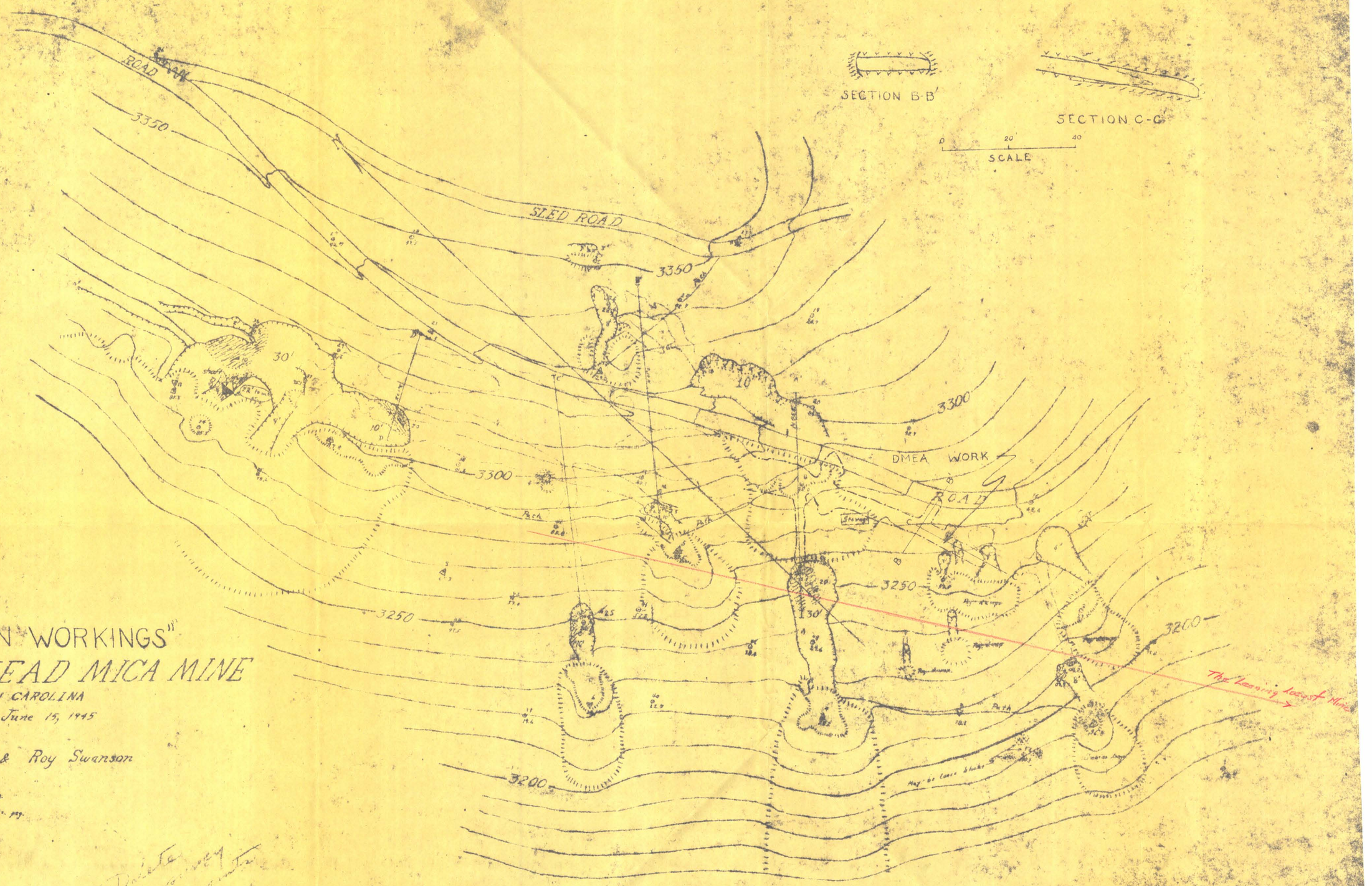
This application, received in DMEA November 17, 1953, (and signed by Vance November 12) calls for 75 percent rather than 90 percent participation. Is he aware of this?

RECOMMENDATION:

Field Team examination.

D. M. Larrabee

Larrabee:jeh
11/19/53
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230



"BROWN WORKINGS"

DOUBLEHEAD MICA MINE

AVERY COUNTY, NORTH CAROLINA

Scale 1" = 40' June 15, 1945

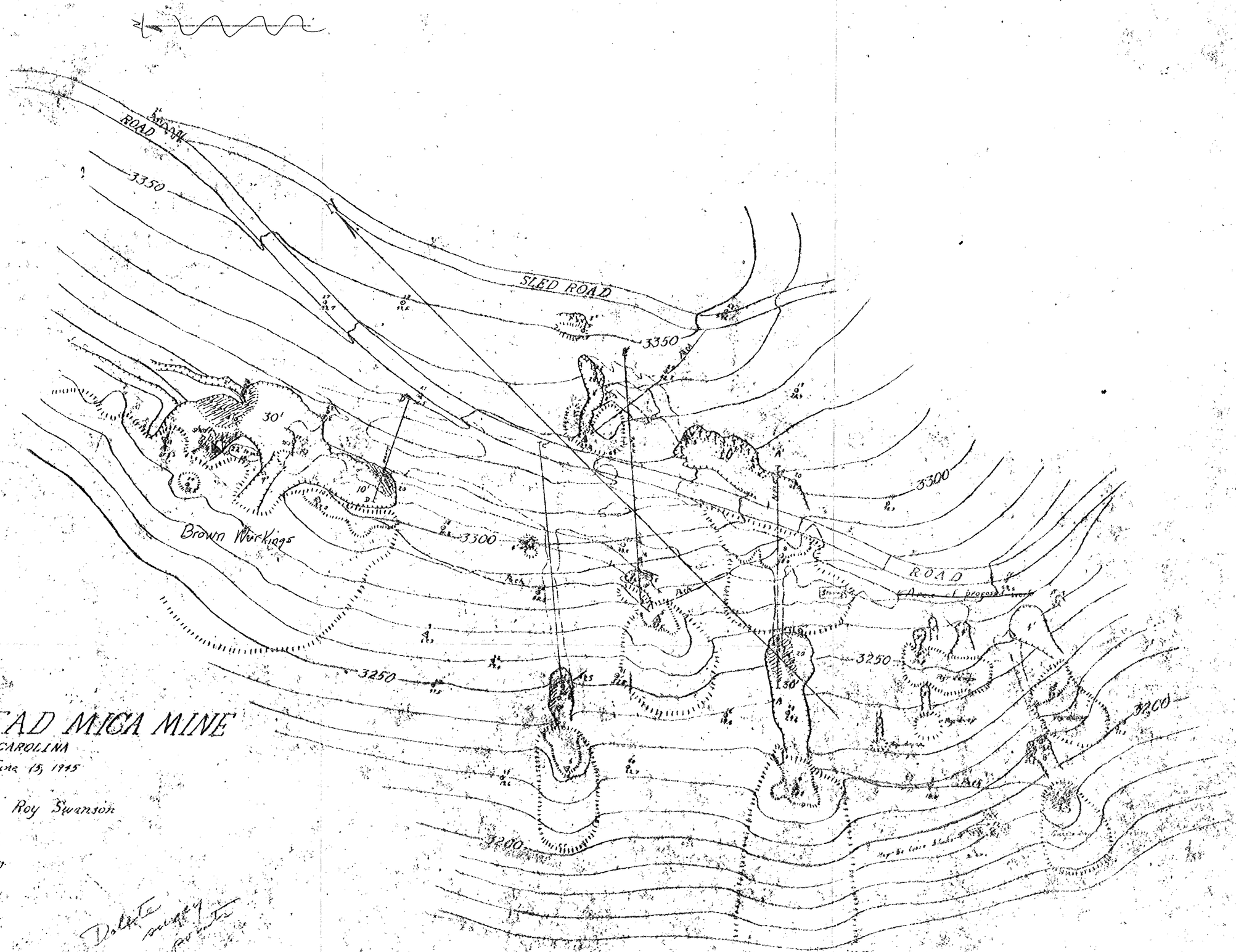
Mapped by:

James R. Wolfe, Jr. & Roy Swanson

% Medium grained phy. gneiss

% Coarse grained phy. gneiss

Mica-hornblende gneiss



DOUBLEHEAD MICA MINE

AVERY COUNTY, NORTH CAROLINA

Scale 1" = 40' June 15, 1945

Mapped by

James R. Wolfe, Jr. & Roy Swanson

Delete survey points