DMEA 3257

DOCKET INDEX

ACTION DOCUMENTS

1	APPLICATION		DATE RECEIVED	2/15/54
2	CONTRACT		DATE	5/24/54
3	TERMINATION AGREEMENT		DATE	
4	CERTIFICATION		DATE	
5	AUDIT REPORT		DATE	
6	AMENDMENTS - NUMBERS	1	DATE	10/25/54
		2		1/7/55
		3		5-24-55
		4		6-30-55

3. In Article 7 of the contract form, that part of the second sentence beginning with the word "Provided," is deleted.

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 contribute, nor the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

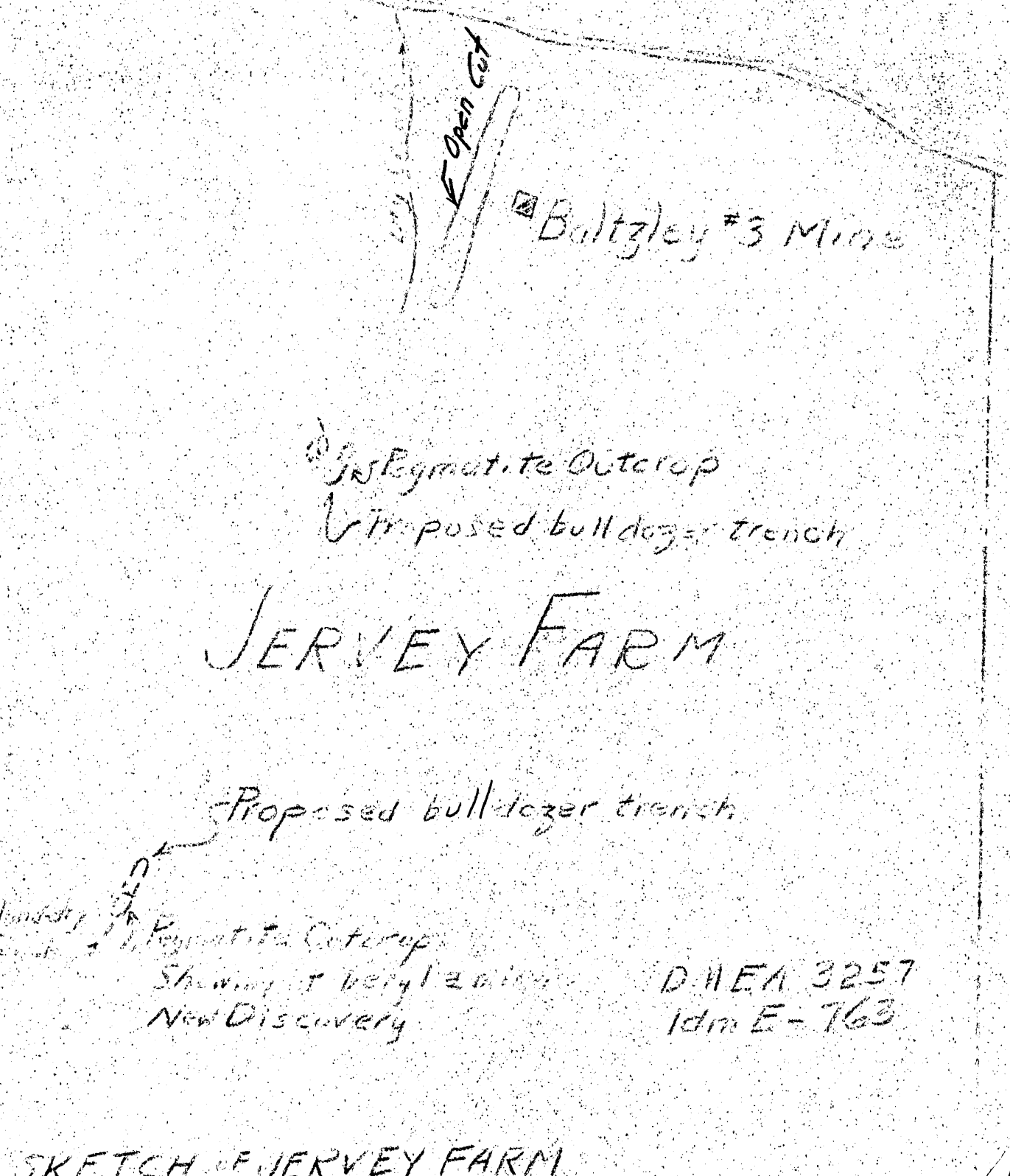
By Robert A. Laurence
Robert A. Laurence
Executive Officer, DNKA
Field Team, Region V

Appd. Sol. Of.

W. D. BALTZLEY and MAVOS BALTZLEY

By W. D. Baltzley
W. D. Baltzley

By Mavos Baltzley
Mavos Baltzley



SKETCH OF JERVEY FARM
showing
NEW DISCOVERY
and
PROPOSED EXPLORATION

Approximate Scale
1" = 200'

DO[illegible]T COPY

MAY 24 1955

EXPLORATION PROJECT CONTRACT
Docket No. DMEA-3257 (mica)
Contract Idm-E673

RECEIVED
JUN - 2 1955

AMENDMENT No. 3

Due to operating delays caused by circumstances beyond the control of the Operator, Contract No. Idm-E673, dated May 24, 1954 is hereby further amended as follows:

Article 3. Exploration project .- The first sentence to read:

"The Operator, within fifteen months (15) from the date of this contract, shall bring the project to completion" instead of one (1) year as written in Amendment No. 2, dated January 7, 1955.

This amendment shall not be construed to increase the estimated total cost of the contract or the maximum amount the Government may pay as provided in the contract.

W. D. Baltzley
W. D. BALTZLEY

Mavos Baltzley
MAVOS BALTZLEY

THE UNITED STATES OF AMERICA

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

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DOCKET COPY Return 2-4-55

FEB 12 1955

W. D. Baltzley and Maves Baltzley
Exploration Project Contract
Docket No. DMEA-357 (Mica)
Contract Idm-5673

Amendment No. 2

Due to operating delays caused by circumstances beyond the control of the Operator, Contract No. Idm-5673 is amended as follows:

Article 3. Exploration project. First sentence to read:

"The Operator, within 30 days from date of this contract, shall commence work on a project of exploration for mica in and upon the described land, and shall bring the project to completion within a period of one (1) year from the date of this contract."

This amendment shall not be construed to increase the estimated total cost of the contract or the maximum amount the Government will pay as provided in the contract.

Dated January 7, 1955

W. D. Baltzley and
Maves Baltzley

Maves Baltzley
by: W. D. Baltzley
Operator

The United States of America

W. T. Miller

W. T. Miller, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 9 - 1954
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W. D. Baltzley and Mavos Baltzley
Exploration Project Contract
Docket No. DMEA 3257 (Mica)
Contract Idn. E-673

Amendment No.1

Due to operating delays caused by circumstances beyond the control of the Operator, Contract No. I m-673 is amended as follows:

Article 3. Exploration project. First sentence to read:

"The Operator, within 30 days from date of this contract, shall commence work on a project of exploration for mica in or upon the described land, and shall bring the project to completion within a period of eight (8) months from the date of this contract."

This amendment shall not be construed to increase the estimated total cost of the contract or the maximum amount the Government will pay as provided in the contract.

Dated October 25, 1954

W.D. Baltzley and
Mavos Baltzley

W. D. Baltzley
by: Mavos Baltzley
Operator

The United States of America,

W. O. Miller

Executive Officer, Bureau-Survey
Field Team, Defense Minerals
Exploration Administration

Defense Minerals Administration
RECEIVED
NOV 9 - 1954

W. D. Baltzley and Mavos Baltzley
Exploration Project Contract
Docket No. DMEA 3257 (Mica)
Contract Idn. [illegible]-673

Amendment No.1

Due to operating delays caused by circumstances beyond the control of the Operator, Contract No. I[illegible]m-[illegible]673 is amended as follows:

Article 3. Exploration project. First sentence to read:

> "The Operator, within 30 days from date of this contract, shall commence work on a project of exploration for mica in or upon the described land, and shall bring the project to completion within a period of eight (8) months from the date of this contract."

This amendment shall not be construed to increase the estimated total cost of the contract or the maximum amount the Government will pay as provided in the contract.

Dated October 25, 1954

W. D. Baltzley and
Mavos Baltzley

W. D. Baltzley
by: Mavos Baltzley
Operator

The United States of America,

W. O. Miller

Executive Officer, Bureau-Survey
Field Team, Defense Minerals
Exploration Administration

Docket Copy

Defense Minerals
RECEIVED
OCT - 1 1954

NOTICE OF ASSIGNMENT

SEP 4 1954

Date _____

To: Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Contract Idm-E673, dated May 24, 1954
Made by the United States of America
Department of the Interior
Defense Minerals Exploration Administration
With W. D. and Mavos Baltzley, Operator
Address of Operator, Powhatan, Virginia
For Minerals Exploration

PLEASE TAKE NOTICE that moneys due or to become due under the contract described above have been assigned to the undersigned pursuant to the provisions of the Assignment of Claims Act of 1940 (54 Stat. 1029), as amended by Public Law 30, 82d Congress, approved May 15, 1951.

A true copy of the instrument of assignment is attached to the original hereof.

Payments due or to become due under such contract should be made to the undersigned assignee.

Please return to the undersigned a copy of this notice with appropriate notations showing the date and hour of receipt, and duly signed by the person acknowledging receipt on behalf of the addressee.

Very truly yours,

BANK OF POWHATAN
POWHATAN, VA.

Bank of Powhatan, Assignee

By W R Gauer
Name and title of signing officer

Cashier
Powhatan Va
Address of Assignee

RECEIPT is hereby acknowledged of the "Notice of Assignment" to which this is attached, and the Government hereby consents to said Assignment, as of the close of business, September 30, 1954.

W. T. Miller
Executive Officer
DMEA Field Team, Region VIII

Assignment of Accounts

Approved by
Standard Forms Committee
Michigan Bankers Association

Farmers Home Administration
RECEIVED
OCT 1 1954

To Bank of Powhatan — Name of Bank
Powhatan, Virginia — Address

WHEREAS, the undersigned is indebted to the above mentioned bank, hereinafter called 'bank", at the date hereof, in the sum of $_____ principal, with interest thereon at the rate of _____% per annum due _____ days after the date hereof;

NOW, THEREFORE, for value received, and for the purpose of securing payment at maturity of the principal and interest of said indebtedness, and of any extension or renewal of the same, and to secure as well all other indebtedness, now or hereafter owing from the undersigned to said bank, the undersigned hereby sets aside, assigns and transfers to said bank, all of the accounts receivable hereinafter described, together with the right to sue for, collect, receive and receipt for the several sums represented by said accounts and to apply the proceeds thereof upon said indebtedness, which accounts hereby are warranted to be valid, subsisting and collectible accounts in the several amounts hereinafter written as to each, and are described as follows:

NAME AND ADDRESS OF DEBTOR		AMOUNT OF ACCOUNT
W. D. and Mavos Baltzley	of	Powhatan County, Virginia

We assign all money now due and all further money due us under contract IDM-E673 (Dockett No. DMEA-3257) dated May 24, 1954 between the United States of America and W. D. and Mavos Baltzley to Bank of Powhatan, Powhatan, Virginia, for advances made us and to be made us from time to time.

The provisions and representations appearing upon the reverse side of this instrument are, and shall be construed to be, incorporated herein.

Dated the 11th day of August, 19 54.

In presence of:

W. R. Parker — W. D. Baltzley

Mavos Baltzley

PROVISIONS AND REPRESENTATIONS

(1) The Assignee does not, by acceptance of the collateral, assume any duty to collect all or any part of the accounts assigned to it.

(2) The Assignee is granted, and if it so elects may exercise power and authority to collect, sue for and receive, adjust, compromise, settle and fully discharge, in its own name or in the name of the Assignor, at the expense of the Assignor, any and every account described in the assignment of which this grant is made a part.

(3) The Assignee is authorized to endorse in the name of the Assignor all checks, drafts, orders, notes, and other instruments payable to the Assignor, which may come into the hands of the Assignee.

(4) The Assignee shall have the right to give notice to debtors and others of the existence of this assignment, and to require that payment of assigned accounts be made to the Assignee only.

(5) The Assignor represents that the assigned accounts represent bona fide indebtedness which the debtor therein named is under valid legal obligation to pay when due, and that none of said accounts is subject to any right of deduction, set-off or counter-claim, unless otherwise expressly stated on the face of this instrument.

(6) The Assignor represents that no account, nor any part thereof hereby assigned, is subject to any prior lien or assignment, and the Assignor agrees that it will ear-mark and segregate the within assigned accounts upon Assignor's records, so that the same may be readily identified as having been assigned hereby as collateral, and that the Assignor will not assign said accounts, or any of them, to any other Assignee while any part of the indebtedness secured hereunder remains unpaid.

(7) The Assignor agrees to collect said accounts at its own expense as agent for the Assignee, and to immediately deliver to the Assignee all proceeds so collected.

(8) The provisions and representations herein contained shall be for the benefit of the Assignee, its successors and assigns, and shall bind the Assignor and the Assignor's heirs, legal representatives successors and assigns.

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 3257

COMMODITY Mica

IDM # E 673

Docket Copy

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

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 24 day of May, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] W. D. Baltzley and Mavos Baltzley, jointly and severally, Powhatan, Virginia

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

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Virginia, County of Powhatan, described as ~~follows~~ set forth in Annex I and the map entitled "Location Map, Baltzley #3 Mine, DMEA Docket No. 3257," attached hereto and made a part hereof, and hereinafter referred to as "the land,"

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, 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 30 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 Five (5) Months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 75 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $4,687.50, which is 75 percent of $6,250.00 the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations. See Annex II, substituted for Article 6.

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

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

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

None

Executed in sextuplicate the day and year first above written.

W. D. Baltzley
(Operator) W. D. Baltzley

By Mavas Baltzley
Mavas Baltzley

THE UNITED STATES OF AMERICA

By O. Meitzendorf
Administrator, Defense Minerals Exploration Administration

Pentin
Hoffhund
Hook

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

Docket copy

EXPLORATION PROJECT CONTRACT
W. D. BALTZLEY AND MAVOS BALTZLEY
DOCKET NO. DMEA-3257

AMENDMENT NO. 4

It is agreed this 30th day of June, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and W. D. Baltzley and Mavos Baltzley that Contract Idm-E673 (Docket No. DMEA-3257), dated May 24, 1954, as amended, is further amended as of May 24, 1954, as follows:

1. In Exhibit "A", under "Description of the Work":

(a) Under item 2, delete "100 feet of drift," and substitute "92 feet of drift."

(b) Add a new item 3, reading as follows:

3. With a D-6 bulldozer or equivalent, bulldoze 2 trenches as shown on map attached hereto and made a part hereof, entitled "Sketch of Jervey Farm Showing New Discovery and Proposed Exploration," having approximate dimensions as follows:

5 feet deep, 6 feet wide and 100 feet long. (South trench)

5 feet deep, 6 feet wide and 50 feet long. (North trench)

2. In Exhibit "A", under "Agreed Unit Costs":

(a) Under item 2, change "100 feet" to read "92 feet," and change "$3,000.00" to read "$2,760.00."

(b) Add a new item 3, reading as follows:

3. Bulldozing - 20 hours @ $12.00/hr. $240.00

RECEIVED
JUL 1 1 1955

EXPLORATION PROJECT CONTRACT
W. D. BALTSLEY AND MAVOS BALTSLEY
DOCKET NO. DMEA-3257

ANNEX I

The land referred to in Article 2 of the contract form is known as the Baltsley No. 3 Mine and was leased for mining purposes to W. D. Baltsley and Mavos Baltsley, his wife, for a period of three years by William F. Jervey and Byrd Pendleton Jervey, his wife, by an instrument dated December 23, 1953, and recorded in Deed Book 64, page 512, official records of Powhatan County, Virginia. It is located on Jude's Ferry Farm, owned by William F. Jervey and his wife, Byrd Pendleton Jervey, and is described in the lease as follows:

> "Beginning at a gap in the Jervey-Dolphin fence, about 50 yards south of a branch; thence on a west-east line south of said branch and 100 feet to 150 feet from it, to a corner at an old pasture fence line; thence along said old pasture fence line in a southerly direction to a corner in Jervey-Allyn fence; thence along Jervey-Allyn fence line in a westerly direction to a corner; thence along Jervey-Allyn-Dolphin fence line to the gap, or point of beginning, containing 75 acres, more or less."

EXPLORATION PROJECT CONTRACT
W. D. BALTZLEY AND MAVOS BALTZLEY
DOCKET NO. DMEA-3257

ANNEX II

The following provisions are in lieu of Article 6:

Repayment by Operator.--a. Certification.--If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered 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. Royalty on production.--The Operator, as principal, if the Operator is the producer, or as surety, if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

c. Basis for computation.--The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f.o.b. point); except, that charges of the buyer arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight paid by the buyer to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the

Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the raw ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

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

e. Percentages of royalty.--The percentages of the Government's royalty shall be as follows:

> One and one-half ($1\frac{1}{2}$) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half ($\frac{1}{2}$) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.
>
> (For instance: the royalty on an amount of five dollars ($5.00) per ton, would be one and one-half ($1\frac{1}{2}$) percent; on an amount of ten dollars ($10.00) per ton, three and one-half ($3\frac{1}{2}$) percent.)

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

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

h. No obligation to produce.--Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

i. Government not obligated to buy.--Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

58694

Docket Copy

EXPLORATION PROJECT CONTRACT
W. D. BALTZLEY AND MAVOS BALTZLEY
DOCKET NO. DMEA-3257

Exhibit "A"

Description of the Work

1. Sink 65 feet of vertical, two-compartment shaft with a cross-sectional dimension of 5 feet by 7 feet in the clear of timber.

2. Drive not more than an aggregate of 100 feet of drift and/or crosscut from the 60-foot level in the shaft. The drifts and/or crosscuts shall have a cross-sectional dimension of 5 feet by 7 feet in the clear of timber.

All work shall be timbered as necessary. The location, inclination, direction, and extent of all work are subject to the approval of the Government.

Agreed Unit Costs

1.	Sinking 65 feet of vertical shaft @ $50.00/ft.	$3,250.00
2.	Driving 100 feet of crosscut and/or drift @ $30.00/ft.	3,000.00
	Total Agreed Estimated Cost of Project	$6,250.00
	Government Participation @ 75%	$4,687.50

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

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

in a lease dated December 23rd, 1953, and recorded in Deed Book 64, page 512, official records of said County.

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/ W. D. Baltzley and Mavos Baltzley

hereinafter called the "Operator"; and

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

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

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

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract, or any amendment thereof, there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom, until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

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

4. Changes and added provisions

Dated this 3rd day of March, 1954.

Wm E Jeffrey [Seal]

Byrd Pendleton Jeffrey [Seal]

W. D. Baltzley [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.)

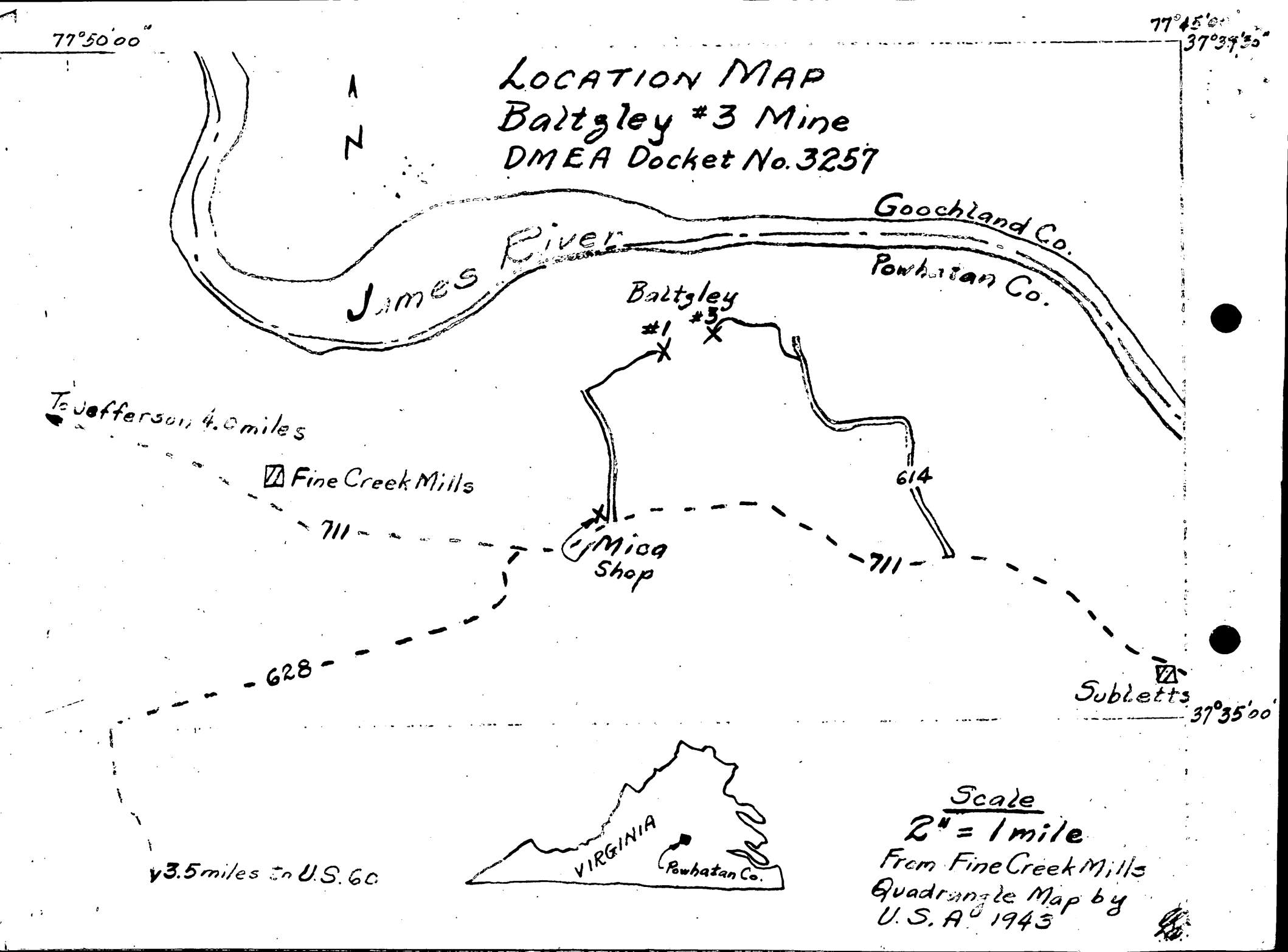
c. Definitions.--As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. 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


77°50'00"
77°45'00"
37°39'30"
LOCATION MAP
Baltgley #3 Mine
DMEA Docket No. 3257
N
James River
Goochland Co.
Powhatan Co.
Baltgley
#1
#3
To Jefferson 4.0 miles
Fine Creek Mills
711
614
Mica Shop
711
628
Sublett's
37°35'00"
3.5 miles to U.S. 60
VIRGINIA
Powhatan Co.
Scale
2" = 1 mile
From Fine Creek Mills
Quadrangle Map by
U.S.A. 1943

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

DOCKET COPY
Surname:
Anderson
Houk
Talbot
Selfridge
Johnson

MAR 26 1956

Messrs. W. D. Baltzley and Mavon Baltzley

Powhatan, Virginia

Re: Docket No. DMEA-3257-Mica, Beryl
W. D. and Mavon Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. IDm-2673

Gentlemen:

Reference is made to your completed exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this project. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the period indicated.

Your interest in the DMEA exploration program and participation therein are fully appreciated.

Sincerely yours,

Administrator

WCAnderson:ms 3/23/56
Copy to: Docket
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson
Admr. R. File
Mr. William P. Jervey)
Mrs. Byrd Pendleton Jervey) TO FIELD FOR FORWARDING

RCS.

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3257

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration Assistance

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

Cys to USGS and USBM

Routing Slip

To:	600	Date	2/15/54
To:	Oper Com	Date	2-26-54
To:	Oper Com	Date	3-29-54
To:	Oper Com	Date	4-30-54
To:	Oper Com	Date	5-21-54
To:	Oper Com	Date	6-23-55
To:	F.E. Johnson	Date	6-23-55
To:	Oper Com	Date	3-2-56
To:	F.E. Johnson	Date	3-2-56
To:	Oper Com	Date	3-26-56
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

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

Project Summary Report

March 23, 1956

By: Walter C. Anderson

1. Docket No. DMEA-3257-(Mica, Beryl)
Contract No. Idm-E673
Baltzley No. 3 Mine
Powhatan County, Virginia
Operators: W. D. Baltzley and Mavos Baltzley
Powhatan, Virginia
Application: MF-103(April,1952) received February 15, 1954
Work proposed - 65 feet of shaft and 100 feet of drifts
Amount requested - $6,900.00
Operators' Property Rights:
Mining lease for 3 years on the Jervey property, dated December 23, 1953
Owners' Consent to Lien dated March 3, 1954

2. Contract: Form MF-200A(February,1952) dated May 24, 1954
Work Authorized:

65 feet of vertical shaft @ $50.00/ft.	$3,250.00
100 feet of drifts and/or crosscuts @ $30.00/ft.	$3,000.00
Estimated total cost of project	$6,250.00
Government participation @ 75%	$4,687.50

Amendments: No. 1, 10/25/54 - Fixes time for starting work at 30 days from date of contract and extends completion time from 5 months to 8 months.
No. 2, 1/7/55 - Extends completion time from 8 months to 1 year.
No. 3(undated) - Extends completion time from 1 year to 15 months.
No. 4, 6/30/55 - Deletes 8 feet of drifts and substitutes 20 hours of bulldozing 2 trenches.

Work Completed:

65 feet of shaft @ $50.00/ft.	$3,250.00
79 feet of drifts and/or crosscuts @ $30.00/ft.	2,370.00
20 hours of bulldozing @ $12.00/hr.	240.00
Total accepted cost	$5,860.00
Government participation	$4,395.00

Work started on May 24, 1954 and completed during May, 1955
Final Field Team Report received on September 26, 1955
Final Operators' Report received on September 26, 1955

Value of production during operation	$1,346.94
Royalty received on above	67.34
Subsequent production up to November 25, 1955	5,316.46
Royalty received	265.83

No production since November 25, 1955 and no royalties due
No equipment purchased under contract.

3. Audit: Report of Review issued September 21, 1955

Accepted Cost	$5,860.00
Government participation	$4,395.00

4. Certification of Discovery - none issued

5. Comments:

How conducted: All of the work in which the Government participated was acceptable. Progress was slow because of many harassing occurrences.

Operation: Good

Engineering: Reporting was very accurate and adequate

Geological Premise:

The premise that the work would lead to the discovery of a worthwhile mica deposit did not materialize, as the estimate of the value of the mica reserves amounts to only about $3,135.00, according to Jack Hanley, the examining geologist.

Geological Criteria upon which work was based:

1. Mica - abundant on footwall of pegmatite, occupies 15 to 20% of pegmatite. Yield of sheet mica will be small because of defects, much is cracked and broken.
2. Other Minerals - garnet and well-shaped crystals of beryl, 2 to 3 inches in diameter, of sparse occurence.
3. Pegmatite - 2 to 3 feet thick by 160 feet long. Deeply decomposed. Conformable to enclosing biotite-feldspar gneiss.
4. Past Production

Criteria developed during project:

1. Mica - content only ½ that at the outcrop, but of better grade, amounts to about 5% of pegmatite.
2. Beryl - none seen in the underground. Small amount found at one of the trenches bulldozed to the south of the main pegmatite. About 250 pounds have been recovered and about 150 pounds in view
3. Pegmatite - vertical shaft intersected a 3-foot thick pegmatite at the 60-foot level. In a 29-foot drift to the north the pegmatite remained at 3 feet. In a short drift to the south the pegmatite pinched to 18 inches. Pegmatite is conformable to a biotite gneiss wall rock. Drifting

cut a fault that extends to the surface. Hanging wall side of fault plane is highly decomposed and waterlogged, which flowed into the drift and completely filled it up.

Future Possibilities:

The water problem and the caving ground together with the low mica content will hamper further attempts to mine this property.

Recommendations:

The Nonmetallic Minerals Division concurs in the Field Team's recommendation not to certify the project.

The examining geologist reiterated this recommendation in a supplementary report.

The Commodity Members of the Geological Survey and Bureau of Mines are in agreement.

Walter C. Anderson

Walter C. Anderson
Nonmetallic Minerals Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1503 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

March 19, 1956

RECEIVED
MAR 21 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V

Subject: DMEA-3257, Idm-E673 (Mica-Beryl) W. D. & Mavos Baltzley, Baltzley No.3, Mine, Powhatan, Virginia

Reference is made to your letter of March 5.

So far as we can learn, there was no production from this mine after November 25, 1955, and therefore, no additional royalties are due.

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

DOCKET COPY
Surname:
Anderson
Houk
Selfridge
Jackson
Weatherson

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

600

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

MAR - 5 1956

Re: Docket No. DMEA-3257(Mica-Beryl)
W. D. and Hayes Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-M673

Dear Mr. Laurence:

Reference is made to the subject contract, the time within which Certification may be made ended on February 12, 1956.

Royalties from production up to November 25, 1955, the date of the last payment of royalties, amounted to $333.17. In order to close out this docket, it will be appreciated if you will report whether any production has been made between the time of the last royalty payment and February 12, 1956.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GHB)

Approved:

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

Thor H. Kiilsgaard (GHB)
Member, Geological Survey

WCAnderson:ms 2/29/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson
Admr. R. File

RCG.

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

December 5, 1955

Memorandum

To: The Files

From: George C. Selfridge
Special Assistant

Subject: Royalties
Docket No. DMEA-3257 (Mica-Beryl)
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Mr. Millar telephoned today to secure information concerning the payment of royalties under the subject contract. He explained that the Operator had returned to an open pit and had mined considerable mica which he had sold and that he was paying royalties on this production. The project was finished last summer and the Operator had submitted his final report which was dated August 12, 1955. The field examiners had recommended that no certification be made of the project in which the Field Team had concurred. Mr. Millar wished to know if the Operator had to pay royalties. The writer explained to him that under the newer form contracts regardless of certification the Operator was expected to pay royalty through the period in which the Government had the right to certify the project. There is a question now whether or not the project should be certified. Apparently several hundred dollars in royalties have been paid to the Government.

George C. Selfridge
George C. Selfridge

Selfridge

December 5, 1955

Memorandum

To: The Files

From: George C. Selfridge
Special Assistant

Subject: Royalties
Docket No. DMEA-3257 (Mica-Beryl)
W. B. and Mavos Baltaley
Baltaley No. 3 Mine
Pocahontas County, Virginia
Contract No. Kdm-2673

Mr. Miller telephoned today to secure information concerning the payment of royalties under the subject contract. He explained that the Operator had returned to an open pit and had mined considerable mica which he had sold and that he was paying royalties on this production. The project was finished last summer and the Operator had submitted his final report which was dated August 12, 1955. The field examiners had recommended that no certification be made of the project in which the Field Team had concurred. Mr. Miller wished to know if the Operator had to pay royalties. The writer explained to him that under the newer form contracts regardless of certification the Operator was expected to pay royalty through the period in which the Government had the right to certify the project. There is a question now whether or not the project should be certified. Apparently several hundred dollars in royalties have been paid to the Government.

George C. Selfridge (by ESF)

George C. Selfridge

GCSelfridge/esf
cc to: Docket
Admr. R. File
Messrs: Mittendorf
Johnson
Houk
Selfridge

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

RECEIVED NOV 30 1955

November 28, 1955

Memorandum

To: Operating Committee DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Supplementary Report - DMEA-3257 (mica) Baltzley Mine No.3, Powhatan County, Virginia.

Enclosed are three copies of a supplemental report on the subject contract.

The Field Team concurs with the recommendation that no certification of discovery or development be issued.

Robert A. Laurence

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

V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
U. S. Geological Survey Bldg.
Agricultural Research Center
Beltsville, Maryland

November 23, 1955

RECEIVED
NOV 28 1955
Geologic Division
Knoxville, Tenn.

Memorandum

To: R. A. Laurence

From: Jack Hanley

Subject: Supplementary report of the Baltzley No. 3 mine, DMEA - 3257 Powhatan County, Virginia.

At the telephoned request of Mr. Anderson of the Washington DMEA office I have made as conscientious a review as possible of all the data that I could gather on the Baltzley No. 3 mine. During my phone conversations with Mr. Anderson I admitted that I was on the fence as to whether the exploration might be certified or not. My indecision was based on these factors: 1) at no time when I visited the mine was it possible to see enough geology to feel sure of the mica content of the pegmatite - and this has been brought out in my reports, and, 2) my feeling that certification of this exploration would be essentially an academic point as the water problem is so great as to preclude any economic operation of this pegmatite - and this point has also been mentioned in my reports. As a result of this indecision I was inclined to go along with certification solely to protect the Government's rights against the one in a million chance that the operator might be able to produce a significant quantity of sheet mica despite the water problem.

Prior to Mr. Anderson's request I had no detailed factual knowledge of the quantity and quality of mica that had been produced during this exploration. In the course of my review I secured from the College Park office of the Bureau of Mines an incomplete summary, but the best that they had, that indicates that $2,807.14 of mica has been sold to Spruce Pine (and that royalities of $140.35 have been paid on these sales), and also the information that Baltzley has reported recovering 8,400 pounds of block mica during the life of the contract to date.

The available information did not show the number of pounds of either block or trimmed mica purchased at Spruce Pine, so I cannot tell

whether Baltzley has sold all 8,400 pounds or only part of it. Furthermore, no information as to the quality of the mica was available other than that used in the original field examination report. As you know, the quality of the mica is of utmost importance in any consideration of the value of a mica property. The lack of recent information on this aspect is a decided drawback in any appraisal of this mine. The reported sales of mica, when compared with the recovered pounds of block mica, indicate that this mica yields only punch and small sheet in any significant quantity.

I have assumed because of the length of time since the exploration stopped, and also because of my impression of Baltzley's financial condition that Baltzley has sold all the mica that he had mined during the contract. On this assumption the value of a pound of block mica from this mine would be 33 cents, or a little bit higher than the value of a pound of punch mica. A rough estimate of the recoverable reserves developed by the exploration work is in the order of 9,500 pounds of block mica. The estimate is based on 1) Baltzley's reported recovery of 400 pounds of block mica in the underground mining, and a calculation that 10 tons of pegmatite were mined in this work; and 2) his reported recovery of 8,000 pounds of block mica from the surface work, and a calculation that about 55 tons of pegmatite had been mined at the surface.

On the basis of these figures the potential dollar value of recoverable block mica would be only $3,135.00. Thus the economics of this pegmatite, although admittedly biased on the conservative side, do not appear to justify certification.

Consequently, after this review of all the available information on the geology of this pegmatite in the light of the sales record of block mica, I see no real reason to change my opinion as stated in the final field examination report, or briefly "no recommendation for certification is justified by the observed geology."

Jack

October 24, 1955

Mr. Robert A. Laurence, Knoxville, Tenn., calling Mr. F. L. Knouse

Re: Docket No. DMEA-3257 - Mica and Beryl
W. D. and Mavos Baltzley
Baltzley No. 3
Powhatan County, Virginia
Contract No. Idm-E673

Mr. Anderson: This is about the Baltzley No. 3 Mine. We are exploring the idea of certifying this project but we have not completed our review. The files indicate that 1½ tons of cobbed mica was sold. The Operator reports that 4 tons were produced during the project.

Mr. Laurence: I will have to check the production figures on that project.

Mr. Anderson: The Operator indicates they produced 400 lbs. of sheet mica, yet the records indicate that only 41 lbs. was sold.

Mr. Laurence: Maybe that was included in the last payment. I have not seen that report, therefore the additional production may be accounted for.

Mr. Anderson: The field report, also, refers to a greater production of mica than the records indicate was sold.

Mr. Laurence: The Field Team Report says certification is not recommended. I got the impression the project was shut down and full of water and they do not plan to continue mining. They did not think there was very much mica showing in the deposit.

Mr. Anderson: I was talking to Hanley this morning and he was on the fence about certification.

Mr. Laurence: He wrote the report. Ordinarily we would not consider that a discovery was made on this property. If Hanley thinks it is a boarderline case I will go along with him on recommending a certification.

Mr. Knouse: We are following the thing through on this and the report from Hanley will, naturally, come through you.

WCAnderson:gad 10/24/55
Copy to: Admr. R. File
Docket
Mr. Houk
Mr. Anderson

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

RECEIVED OCT 4 - 1955

October 4, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3257 (mica)

Applicant: W. D. and Mavos Baltzley

Name and Location of Property: Baltzley Mine No. 3, Powhaten Co., Va.

Contract Number: Idm-E 673

Date of Field Team Report: 9/23/55

Date Rec'd by Br. of Ceramic & Fertilizer Materials: 9/29/55

Field Team Recommendation: Recommend that no certification of discovery be made.

Comments:

1. Sufficient work has been done to indicate the pegmatite is not suitable for producing large quantities of strategic mica.

2. Expenditures -

Total approved	$6,250.00
Total cost	5,860,00
Gov't share of the cost	4,395.00
Value of production during operation	1,346.94

Recommendation: I concur with the field team's recommendation that no certification of discovery be made.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
OCT 1955

September 30, 1955

Re: DMEA 3257, Idm-E673
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan Co., Virginia
$6,250.00 - Mica and beryl

Memorandum

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

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

Subject: Review of Field Team Final report.

A total of $6,250.00 was approved for the exploration of a narrow, 3-foot pegmatite by bulldozing, shaft sinking and drifting.

$5,860 were spent, resulting in a vertical shaft 65 feet deep, 14 feet of crosscut, and 75 feet of drifting. The work was stopped when running ground, due to a fault, was encountered in the south drift and the mica in the pegmatite in the north drift did not justify further work.

In the bulldozing two other pegmatite dikes were found which contain mica and beryl similar in amount to the main pegmatite.

No discovery is claimed for the work done under the DMEA contract and certification is not recommended. $1,346.94 of mica was sold during operation and $67.34 royalty was paid.

I concur with the recommendation of the examiners and the Field Team that a certificate of discovery should not be issued.

N. E. Nelson

N. E. Nelson

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

RECEIVED
SEP 26 1955

September 23, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V

Subject: Final Reports, DMEA-3257, Idm-E673 (mica) W. D. & Mavos Baltzley. Baltzley Mine No. 3, Virginia

Enclosed are four copies each of the Operator's and Field Team final reports on the subject contract.

We agree with the recommendation that certification should not be made.

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

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

C O P Y (with corrections by GLNeumann)

Powhatan, Va. August 12th, 1955

RECEIVED
SEP 26 1955

Mr. W. T. Millar
Chief Mining Engineer
DMEA, Region V
College Park, Maryland

Re: DMEA Idm-E673 (Mica)
Baltzley No. 3 Mine
Powhatan County, Virginia

Dear Mr. Millar:

Enclosed you will find my final report and diagram on subject project.

Shaft completed at 60 feet with additional 5 foot sump. Cribbed solid 2" x 8" oak and with a double compartment to the 60 foot level. Water was contacted at the 10 foot level. The country rock was completely weathered down to 45 feet. At 61 feet it was becoming completely solid. The 3 foot wide pegmatite vein entered the west edge of the shaft at 64 feet. There was no mica of commercial size evident at this point.

X-cut completed at 14 feet, at 60 foot level.

Drift to north - 29 feet - pegmatite 3 feet wide.
mica content - poor
mica grade - good

Drift to south - 36 feet - pegmatite 2-1/2 feet average.
mica content - poor
mica grade - good 63

Total underground work produced 400 lbs. of mica. The grade was the same as that taken from vein near surface except for slightly less clay stain. Also, sizes of the blocks were under 6 inches in diameter.

The water flow nearly doubled as the pegmatite was entered into at the 60 foot level, due to many cracks occurring in the pegmatite.

The weathering condition worsened in a southerly direction to a point where due to a caving and flowing condition further progress would have been extremely difficult and costly at this level.

Since discontinuing the underground work the surface open-cut has been deepened to an average 17 feet. It has been lengthened on the south end resulting in 225 feet of pegmatite, total length. It pinched out on the south end and down to ten inches on the north end.

This new work produced four ton of block mica to date and approximately 100 lb. of beryl.

Mica now appears to occur in workable quantities only in the southern half of the vein.

An incline shaft has been started on the vein 40 feet from the south end.

New Discoveries
(Amendment No. 4)

A bulldozer trench 100 feet long, 5 feet deep and 12 feet wide with an additional 50 feet, 1 foot deep was dug on "north trench."

The small amount of out-crop here pinched out completely with a little depth.

The "south trench" consisted of two trenches, one on the east and one on the west side of the quartz out-crop and joining to form one trench at the south end of the 100 foot exploration. The trenches were dug 12 feet wide and 5 feet deep. An 8 foot deep cut was put along the east side. Also, cross-cutting was done on north end of trenches.

The pegmatite here is a lense like body. It is approximately 12 feet wide at the out-crop maintaining this width at bottom of the cut. The vein is dipping slightly to the east and has a length of approximately 35 feet and continuing in a southerly direction.

A poor quality mica of fair amounts occurs at north end of quartz body and along east side of quartz body.

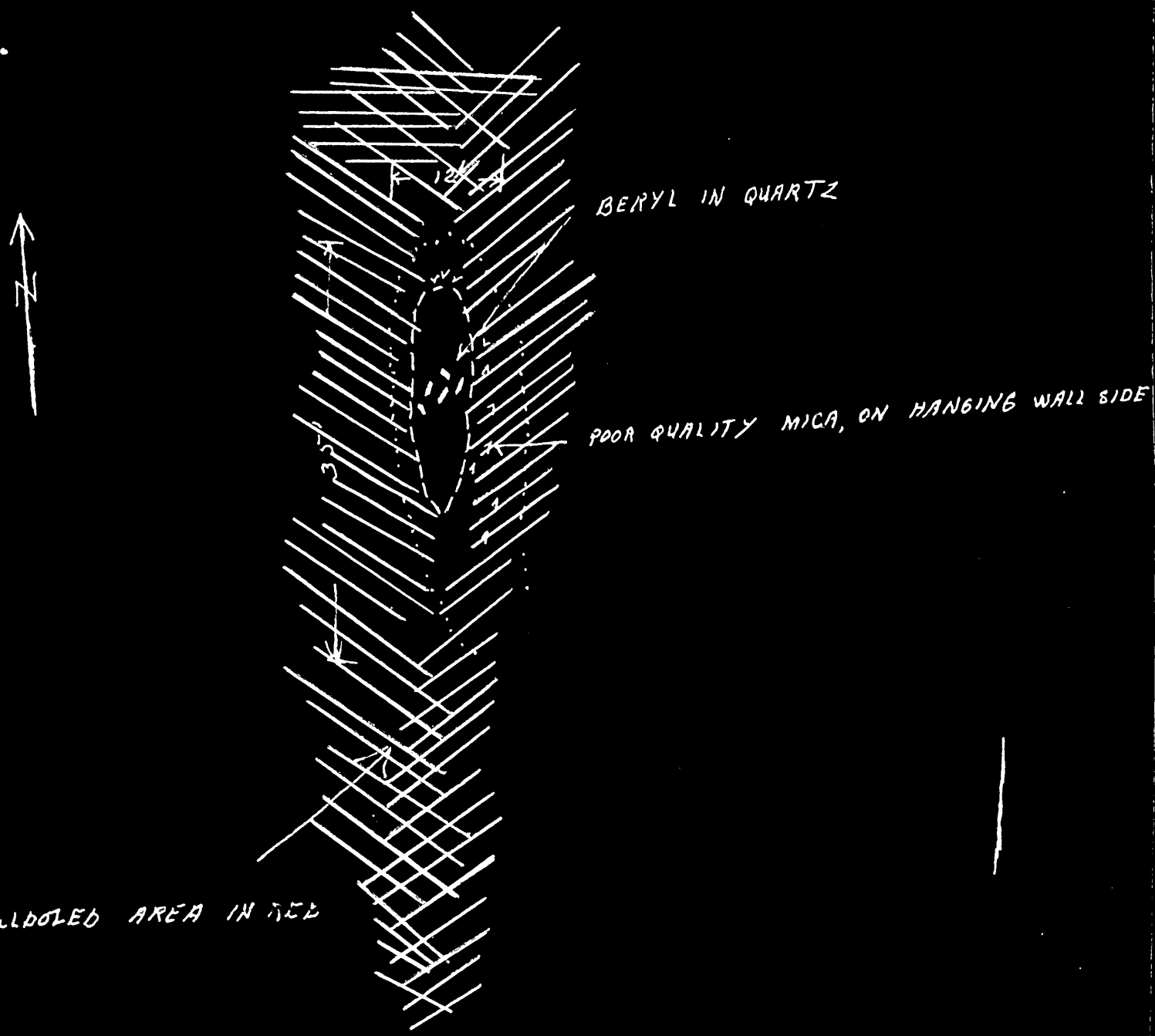
Beryl was found in edge of quartz body at the bottom of trench and on the east side. Very little of the actual quartz body, where beryl occurs, was moved. The beryl crystals found range up to 10 inches wide and 15 inches long. Approximately 250 lbs. of beryl have been taken from this prospect to date. There is approximately 150 lb. in view.

Mr. Neumann mentioned that he was planning on visiting the mine in the near future. If he wants me to be there at that time he should come after August 21.

Sincerely yours,

/s/ W. D. Baltzley
W. D. Baltzley

SOUTH TRENCH AT BALTZLEY MINE #5



FINAL REPORT ON TERMINATED CONTRACT

by

G. L. Neumann, Bureau of Mines and
J. B. Hanley, U. S. Geological Survey

RECEIVED
SEP 26 1955

Docket No. DMEA-3257 (Mica, Beryl)
Contract No. Idm-E673
Operator: W. D. & Mavos Baltzley
Powhatan, Virginia
Property: Baltzley No. 3 Mine (Jervey Farm)
Powhatan County, Virginia

Summary

The object of this exploration was to enhance the Nation's reserves of sheet mica and beryl. The original work program consisted of the sinking of a vertical shaft to get below the weathered zone and then driving on the pegmatite dike both ways from the shaft. The shaft was completed after encountering many minor irritations, chiefly labor troubles. A crosscut was driven across the dike and the drifts started to the north and south. The pegmatite dike north of the shaft remained about 3 feet wide; the mica was unweathered and the content was less than in the opencut but the grade was slightly improved. The dike to the south of the shaft bent and pinched to about 18 inches; the mica was the same as in the north drift. Due to circumstances beyond the Operator's control, the loose, decomposed mica schist in the hanging wall started to run. To complete the program would have been dangerous and costly and because the mica exposed by the exploration had not been very good, the underground work was terminated by agreement between the Operator and the Field Team engineer. The main accomplishment from the underground exploration was that the opencut drained and became workable. About the time that the work was terminated the Operator discovered two other outcrops of pegmatite, one near the southeastern corner of the Jervey farm and another about midway between this southeastern

corner and the opencut. These two outcrops have a similar trend to the opencut. The Operator applied for an amendment to the contract for bulldozer trenching at these two outcrops. The amendment was approved and the trenching at the southeastern exposure showed a lens of pegmatite with good beryl and fair mica. At the middle outcrop the pegmatite was small; the mica was poor and no beryl was indicated. In addition, the Operator has cleaned the opencut at the Baltzley No. 3 mine with a bulldozer and has mined down another lift. The opencut is now about 17 feet deep. At one spot in the opencut, located about 20 feet south of the run in the south drift, the Operator opened up a showing of beryl and good mica. He is now sinking a cribbed shaft on the pegmatite at this point. Four lots of hand-cobbed mica were sold to the Spruce Pine, North Carolina Depot.

Conclusions

The results of this exploration indicate that the mica content in the unweathered part of the pegmatite is very meager and the grade not much improved over the weathered mica in the opencut.

Draining of the opencut did enable the Operator to mine a little deeper in the opencut. To mine a dipping 3-foot pegmatite vein much deeper though would be dangerous and expensive. The small showing of beryl in the opencut did not continue down. The beryl showing at the southeast corner of the property is probably just a small freak occurrence without continuation down the dip.

Recommendations

It is the recommendation of the Field Team representatives that this project be closed. Certification as a discovery is not recommended and the Government will not be repaid for its share of the explorational costs, beyond the royalties receivable for materials mined and sold during the contract period.

Work Completed

Sinking of the two-compartment 5' x 7' vertical shaft started May 24, 1954. This shaft was located 45' east of the pegmatite dike that dips 50° east and was calculated to hit the dike at the 60-foot level. The shaft made an increasing amount of water but the flow was handled with the air turbine pump, until the hanging wall contact of the pegmatite was cut at a depth of 64 feet. The Operator then had to go to an electric pump and there was a considerable delay in REA running the line in to the shaft site. The shaft was completed at the 65-foot depth and the level started at 60 feet. Fourteen feet of crosscut was driven westerly to cut the dike and to provide a storage niche for tools. The pegmatite at this point was 3 feet wide, unweathered and contained mica. The drifts were started to the north and south. The mica content was found to be about one half as much as in the opencut, but being unweathered and of the same character was a slightly better grade. The dike to the north ran true and the mica content and grade remained about the same as at the start. This drift progressed to 29 feet. The dike to the south turned slightly to the east and then swung back west again following the same general trend as originally, so it amounted to about a two-foot offset. This swing occurred probably from the junction of the pegmatite with a cross fault, which was acting as a water channel, and the weakened, unconsolidated wall gave way, causing a ground run. Although this small ground run could have been overcome by spiling and close chinking, any further advance would have been quite expensive. The mica content was very low and the target did not justify the added expense, so the underground work was terminated in May, 1955.

About this time the Operator discovered two other outcrops of pegmatite on the Jervey property, one near the southeastern corner and the other midway between this southeastern corner and the opencut. Both outcrops had a similar trend to the dike in the opencut. The Operator applied for an amendment to trench at the side of these outcrops with a bulldozer. The amendment was approved. The southeastern exposure showed a lens of pegmatite containing fair mica and beryl showings. The other outcrop showed nothing worth while. The beryl showing is interesting but it is doubtful if it is anything more than just a small isolated concentration of beryl crystals. The underground work did drain the opencut and allow the Operator to mine another lift through the opencut. The pegmatite has now been mined down to a 17-foot depth in the opencut. To mine a 3-foot dipping dike any deeper is going to be very expensive and also very dangerous. The Operator in mining the last lift in the opencut struck another showing of beryl about 20 feet south of where the cave in the south drift occurred and started to sink a cribbed shaft. These few crystals were all of the beryl. The work was costly and dangerous and was lost when a heavy rain filled the opencut.

Geology

At the time that the final geologic examination of the property was made the opencut at the mine was flooded and partly caved. Consequently, none of the surface geology could be examined. Moreover, inasmuch as the shaft is completely timbered, and the crosscut and drifts are extensively lagged, only a small part of the underground geology could be seen.

The drift south of the crosscut penetrated a fault that probably extends to the surface at the place where a possible cross fault was seen when the property was first examined. The rocks on the hanging wall side of the fault plane are highly decomposed, and the fault surface is a flowing

water course. When the drift cut through the fault the decomposed rock, which was essentially waterlogged, flowed into the drift filling it completely for the nearest 4 to 5 feet and then tapering as a wedge to the crosscut from the shaft. This caving ground has made the drift south of the crosscut dangerous and too expensive to mine, despite the fact that the biotite gneiss and pegmatite in the drift are fresh and competent.

The average dip of the pegmatite dike is 50 degrees to the east, and the average thickness exposed in the drift north of the crosscut is 3 feet, although south of the crosscut the average thickness is about 2 feet. The pegmatite is concordant to the foliation of the biotite gneiss wall rock.

In the 30 to 35 feet of the drift in which the pegmatite is not completely covered by lagging, the mica-bearing zone is along the footwall of the dike, and ranges from 2 inches to 6 inches in thickness. Concentrations of mica books in this zone are spotty and erratic, and the average size of the mica books is about 3 inches. The largest book observed was 5 inches across, and Mr. Baltzley said that it was nearly as big as any recovered during the exploratory work. No mica concentrations were found along the hanging wall except in a small section of the pegmatite that contained a core pod of quartz. The mica-bearing zone of this pegmatite is estimated to form less than 5 percent of the whole pegmatite.

The asymmetrical nature of the mica-bearing zone is also reflected in the inner zones of the pegmatite. The footwall half of the dike is composed of graphic granite pegmatite in which the host crystals of perthite are as much as 12 inches across; the hanging wall half is composed of

quartz-perthite-plagioclase pegmatite in which the clean perthite crystals are of similar size. Manganese-stained garnet crystals, 1 to 2 inches in diameter, and beryl crystals as much as 3 inches in cross-section have been found in this pegmatite, but were not seen underground. A lenticular patch of muscovite-quartz pegmatite, about 18 inches long, was exposed about 4.5 feet south of the end of the drift north of the crosscut, and between the mica-bearing zone and the graphic granite pegmatite. The muscovite flakes in this patch are 1/8-to 1/4-inch in size.

According to Mr. Baltzley the pegmatite has a higher content of mica books south of the crosscut than it does north of the crosscut. The low content of mica-bearing zone north of the crosscut, coupled with the small size of the mica books and the defects typical of the sheet mica from this mine, makes it inadvisable to try to mine this part of the dike. The caving ground south of the crosscut would make any attempt to do further work in this part too expensive to be warranted by the very slight increase in mica content.

On the basis of what could be seen during both examinations of this mine, no reserves of sheet mica and beryl can be assumed. Mr. Baltzley may be able to recover a few hundred pounds of beryl and several hundred pounds of mica books by taking advantage of the local lowering of the water table caused by the sinking of the shaft. This advantage will be lost, however, unless the shaft is pumped out at regular intervals during good weather. No recommendation for certification is justified by the observed geology.

The bulldozed trenches around the outcrop in the southeastern part of the property were dry when visited and the pegmatite was as well exposed as its highly decomposed nature permitted. The pegmatite appears to be no more than 5 feet thick, although its true thickness cannot be measured. It appears to be a thin lens, which probably is not much more than 50 feet long, that dips gently to the east. Quartz, beryl, muscovite, and biotite are the only minerals that are fresh; all others are decomposed to clay minerals. This pegmatite has a distinct quartz core, about 12 to 18 inches thick, that has an average dip of 15 degrees. Beryl crystals are most abundant at the southern end of the core in both the quartz, where some crystals are 10 inches across, and in the weathered pegmatite, where most crystals are less than 3 inches across. A concentration of muscovite of scrap quality was uncovered adjacent to the northern end of the quartz core.

The exploration by bulldozing has exposed the quartz core on all sides and also along the keel of the core. The core and the associated beryl concentration are too small to yield any appreciable quantity of beryl despite the easy recovery of the beryl crystals. The geology of this pegmatite indicates that less than a ton of beryl and no sheet mica will be recovered. The second outcrop that was explored by bulldozing was small, and contained no mica of minable quality and no beryl. Neither of these pegmatites is of minable size or grade.

Expenditures

Total approved	$6,250.00
Total cost of project	5,860.00
Government's share of cost	4,395.00
Government's share unexpended	292.50
*Value of production during operation	1,346.94
Royalty paid (5 percent)	67.34

Efficiency of Operations

The Operator is a very competent mica miner and did a most workmanlike job safely of the shafting, crosscutting and drifting. His reports were accurate and adequate. The progress on this project was slow due to many harassing occurrences but the Operator always came through and finished the job.

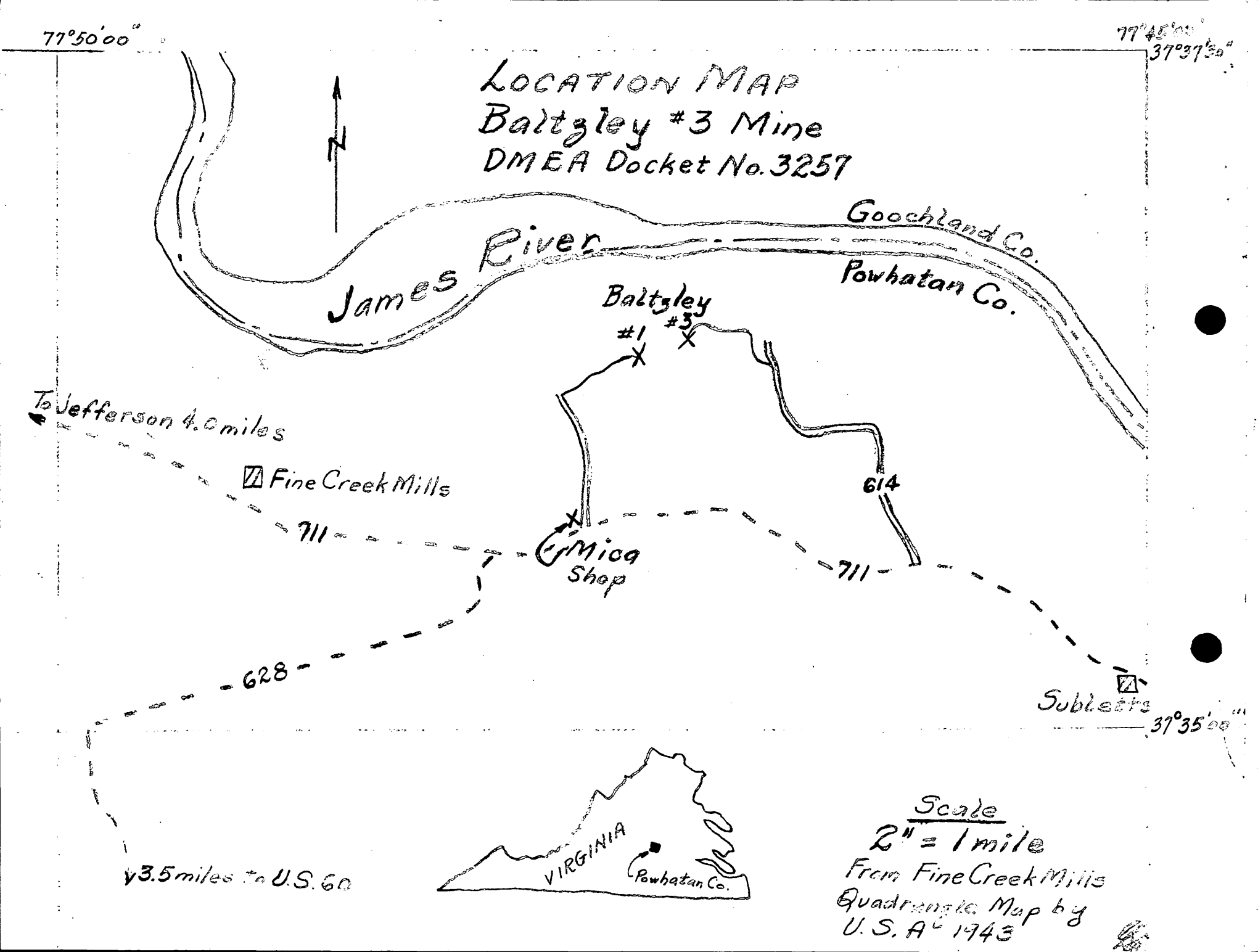
Equipment

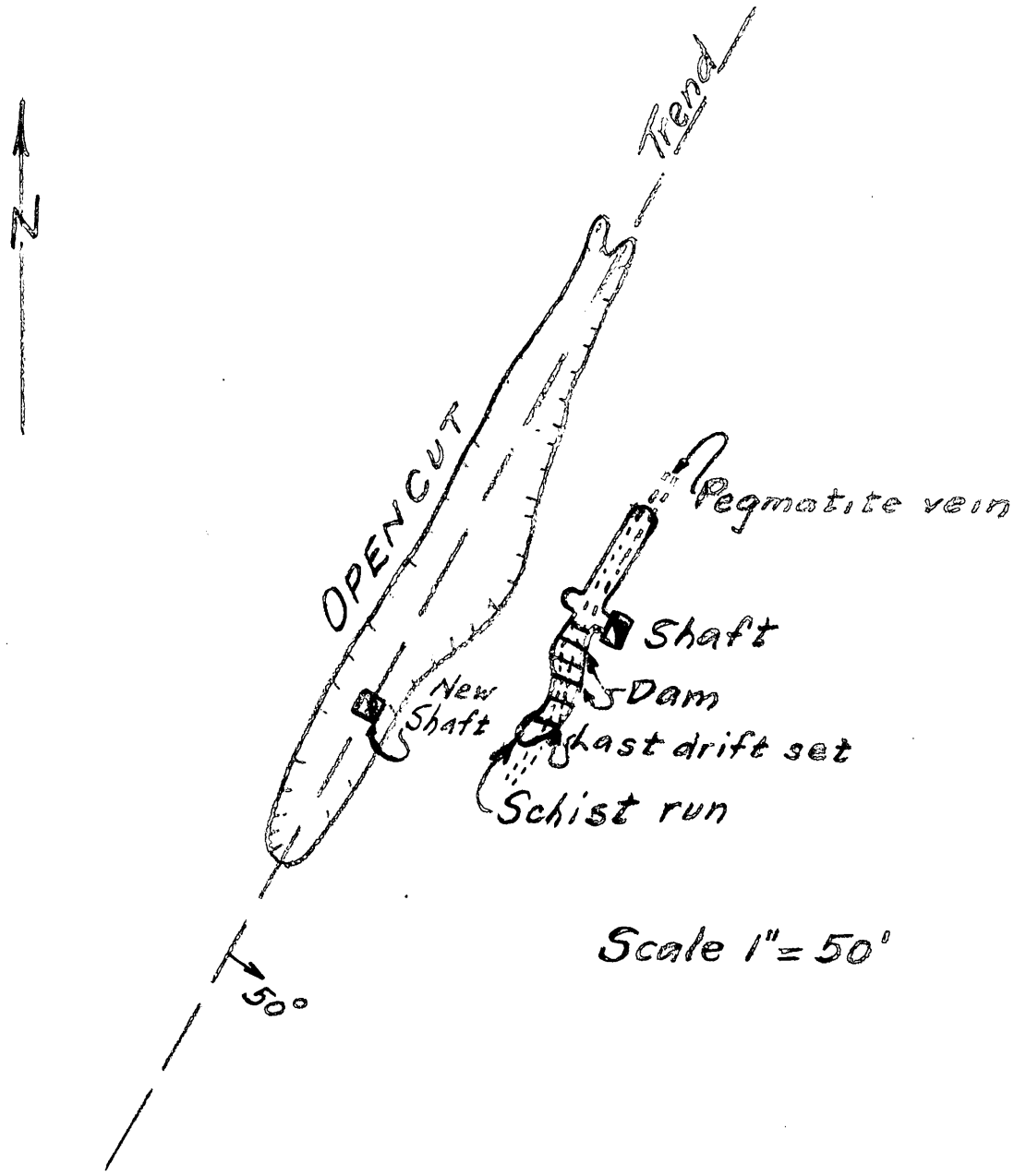
This was a unit cost project - no equipment was purchased.

G. L. Neumann, Mine Examination
and Exploration Engineer

J. B. Hanley, Geologist
U. S. Geological Survey

College Park, Md.
September 21, 1955


77°50'00"
77°45'00"
37°37'30"
LOCATION MAP
Baltzley #3 Mine
DMEA Docket No. 3257
N
James River
Goochland Co.
Powhatan Co.
Baltzley
#1
#3
To Jefferson 4.0 miles
Fine Creek Mills
711
Mica Shop
614
711
628
Subletts
37°35'00"
3.5 miles to U.S. 60
VIRGINIA
Powhatan Co.
Scale
2" = 1 mile
From Fine Creek Mills
Quadrangle Map by
U.S.A. 1943



PLAN MAP BALTZLEY #3 MINE
DMEA 3257- IdmE 673

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

July 8, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA Field Team, Region V

Subject: Idm-E673, DMEA-3257 - Amendment No. 4, W. D. & Mavos Baltzley, Powhatan, Va. Baltzley No. 3 Mine.

Transmitted are three signed copies of the subject Amendment No. 4. The usual distribution of the other copies has been made by this office.

Robert A. Laurence

Robert A. Laurence

RECEIVED
JUL 11 1955

Docket File
Surname:
Anderson
Houk
Talbert
Selfridge
Hedges
Kiilsgaard

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

JUN 27 1955

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

Subject: Docket No. DMEA-3257 - Mica-Beryl
W. D. Baltzley and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Dear Mr. Laurence:

Pursuant to your request in memorandum of June 14, 1955, we have prepared the enclosed original and five copies of Amendment No. 4 to the subject contract. If it meets with your approval, please sign it and present it to the Operators for approval and signature.

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

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Approved:

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

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

Enclosures 6

WCAnderson:pk 6/22/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk

R.C.L.

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

June 24, 1955

Memorandum

To: Miss Curtin, Statistics and Control Division

From: Hazel Berry, Operating Committee

Subject: Amendment to Contract

Attached is the following docket copy of an amendment to a contract which has been reviewed and approved by the Commodity Division, Contract Administration and Audit Division, and the Legal Division. No docket attached.

W. D. and Mavos Baltzley, DMEA-3257, Idm-E673, Amendment No. 3.

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

JUN 21 1955

Memorandum

To: The Administrator, DMEA
Attention: Mr. L. G. Houk

From: Acting Assistant Solicitor, Defense Minerals

Subject: Docket No. DMEA-3257, W. B. and Mavos Baltzley
Contract Idm-E673 (mica-beryl), Amendment No. 4

As requested in Mr. Anderson's reference slip dated June 9, we have prepared the attached Amendment No. 4 in satisfactory legal form for execution, subject to the attachment of the map referred to therein prior to execution.

Henry C. Rubin
For J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachments

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

JUN 27 1955

Memorandum

To: The Administrator, DMEA
Attention: Mr. L. G. Houk

From: Acting Assistant Solicitor, Defense Minerals

Subject: Docket No. DMEA-3257, W. B. and Naves Baltsley
Contract Idm-2673 (mica-beryl), Amendment No. 4

As requested in Mr. Anderson's reference slip dated June 9, we have prepared the attached Amendment No. 4 in satisfactory legal form for execution, subject to the attachment of the map referred to therein prior to execution.

(S/ Henry C. Rubin
For J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachments

HCRubin/emd
Copy to: DMEA Docket
Solicitor's Docket
L. G. Houk
J. L. Hofflund
H. C. Rubin
chron.

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

RECEIVED
JUN 16 1955

June 14, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3257, Idm-E673 (mica) W. D. & Mavos Baltzley, Powhatan, Virginia. Baltzley #3 Mine, Powhatan County, VA.

Enclosed are four copies of the latest interim report on the subject mine. Please refer also to our memorandum of June 2.

Under the revised conditions, as set forth in this interim report, it appears that the amendment requested in our June 2 memorandum can be prepared without requiring additional funds.

Therefore, we request preparation of the amendment, but providing for the $240 for bulldozing out of unused drift footage, instead of providing additional funds.

After completion of the bulldozing termination or further work under the contract. No Geological Survey representative is available now for an immediate inspection, but it is probable that Mr. Hanley can examine the mine at about the end of the month.

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

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

Report of Inspection

by
G. L. Neumann, Engineer
June 1 and 2, 1955

RECEIVED
JUN 16 1955

Docket No. DMEA-3257 - (Mica)
Contract No. Idm-E673
Operator: W. D. & Mavos Baltzley, Powhatan, Va.
Property: Jervey Farm, Baltzley #3 mine
Powhatan County, Va.

Summary:

This contract was inaugurated to enhance the Nation's reserves of strategic mica. The work program consisted of: (1) sinking of a 5' x 7' vertical, two compartment shaft to a 65-foot depth; (2) 100 feet aggregate of 5' x 7' crosscut across the pegmatite vein and drifts to the north and the south along the vein at the 60-foot level. The shaft was completed, the crosscut, 14 feet long, cut across the vein between 6 and 10 feet west of the shaft. The north drift has progressed to 28 feet, 23 feet timbered, and the pegmatite vein in it is still about 3 feet wide with a meager showing of good grade mica. The south drift has advanced to 36 feet, timbered to 32 feet. The vein in this south drift took a roll to the east about 15 feet south of the shaft and the pegmatite pinched to about 18" wide. The vein then rolled back to the west onto a trend parallel to the original one and continued for about 8 feet then the vein bent to the west again back to align with the original trend thus making an offset (see sketch). The Operator, not being able to prognosticate all these twists and especially with the vein pinched to 18", got on the hanging-wall side of the vein with much of the drift. The hanging wall here is a loose unconsolidated weathered mica schist or gneiss. Much of the flow of water, which caused the Operator recently to have the power line run into the property and buy an electric pump to replace the air pump used in the shaft sinking operation, was coming from the hanging-wall side of the vein on this south side. The water proceeded to wash the unconsolidated mica schist and then the mica schist caved. The Operator attempted to stop the run without much success. The run could be stopped by spiling and close chinking but the expense would be great, much above what the Operator could stand. Furthermore, the goal would not warrant such an expenditure. The mica showing on this 60-foot level, while somewhat better in grade, being below the weathered zone, has been very sparse all through the aggregate 64 feet of drifting. The Operator now has two dams across the south drift to impede the flow, the muck is solid up to the cap of the last drift set, most of the water is coming over the top of this last set and percolates down through the back lagging. Even to work the north drift this set-up would get disturbed and the schist would start to run again.

An important accomplishment of this underground exploration has been that the opencut has been drained and is now workable throughout its length.

The Operator recently discovered an exposure of pegmatite near the southeast corner of the Jervey Farm about 1200 feet distant from the opencut and possibly on the same pegmatite structure. This outcrop showed about 10 beryl crystals, aggregating some 600 pounds, and also some fair grade mica. The Operator

has requested an amendment to this contract for 20 hours of bulldozer trenching at $12.00 an hour along this outcrop and also along another outcrop, located about midway between the opencut and this outcrop.

Conclusions:

In view of the exorbitant cost and the difficulty of operation necessary to proceed with the contract work program and the mediocre showing of mica contacted so far and with no particular evidence that the quantity or quality would improve materially, further underground work on this contract is not warranted.

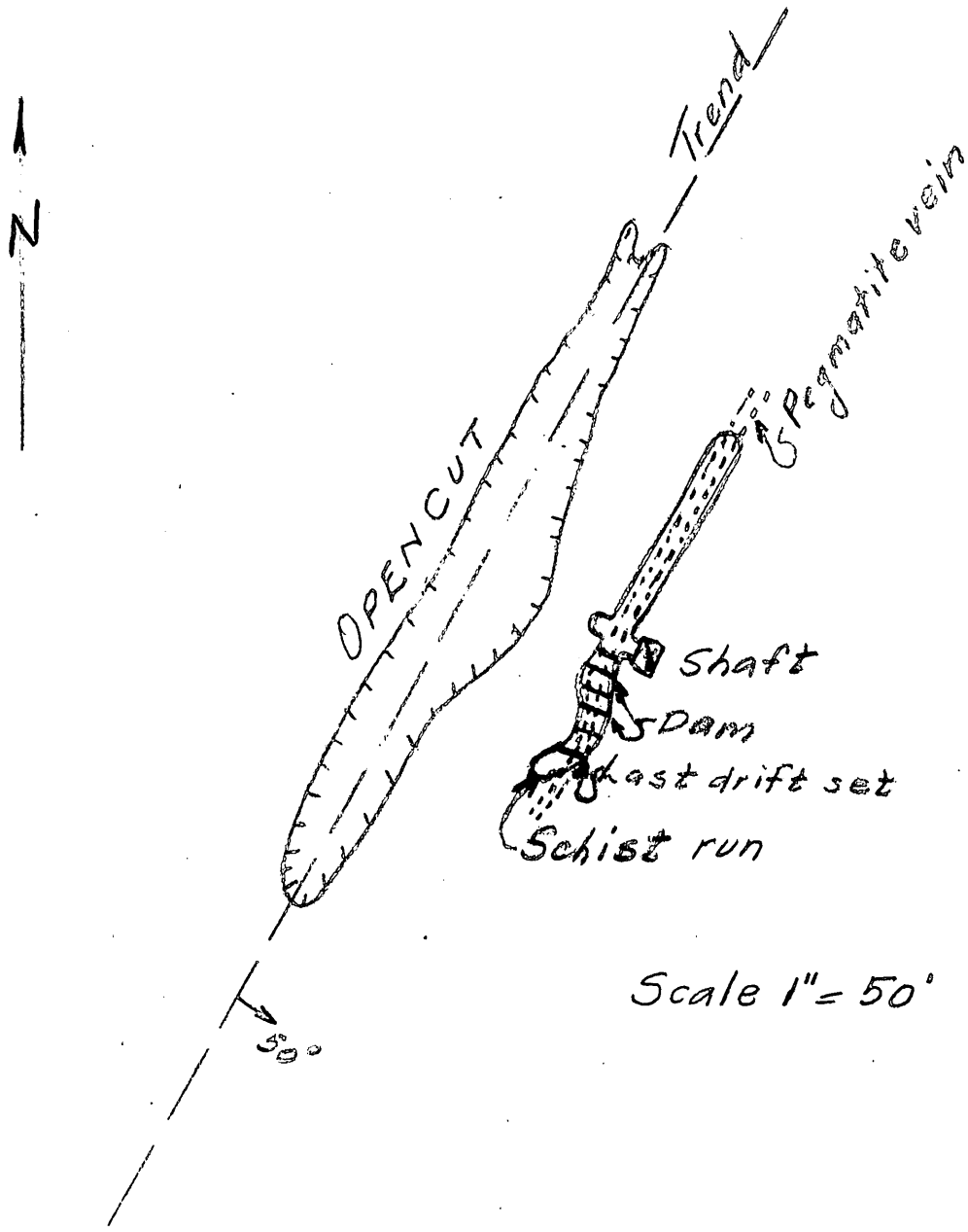
The draining of the opencut by the underground exploration has made the opencut available for mining and a good production of mica should ensue.

Recommendations:

The Bureau of Mines Field Team representative recommends: that the underground work program under this contract be concluded, only 22 feet of drifting remains on the contract at a unit price of $30.00, which gives $660.00 of the original contract allowance unexpended; that the amendment for the bulldozer trenching on the two outcrops to the southwest be approved; that the Operator clean out the opencut with a bulldozer to the bottom of the mined out area and then move his gin pole rig to the bank of the opencut and mine the pegmatite vein.

G. L. Neumann

College Park, Md.
June 7, 1955



PLAN MAP BALTZLEY #3 MINE
DMEA 3257-IdmE673

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 4 ASH POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUN 15 1955

June 13, 1955

Mr. W. D. Baltzley

Powhatan, Virginia

Re: DMEA-3257, Idm-E673 (mica)
Baltzley Mine No. 3.
Virginia

Dear Mr. Baltzley:

Sales slips from the Mica Buying Depot at Spruce Pine, N. C., indicates that you have made the following sales of mica:

Date	Lot No.	Price	Ruby Mica
May 15, 1954	1422	$166.88	Ruby mica
August 17, 1954	335	225.69	"
October 18, 1954	728	147.29	"
November 2, 1954	825	142.97	"
November 22, 1954	957	121.07	"
November 29, 1954	997	108.96	"
December 17, 1954	1147	128.89	"
January 25, 1955	1368	110.66	"
February 10, 1955	1475	144.50	"
February 25, 1955	1583	21.00	"
March 21, 1955	1751	124.69	"
March 29, 1955	1806	86.17	"
April 15, 1955	1911	142.18	"
April 2, 1955	SPBR-27	306.00	Block -Initial Pay't
May 9, 1955	SPBR-51	687.90	" " "
	Total.....	$2,672.01	

If the above listed sales were made from mica produced from properties included in Contract No. Idm-E673, DMEA-3257, dated May 24, 1954, you owe the Government royalties in the amount of $133.60, (5% of $2,672.01).

Please forward a check made payable to the Defense Minerals Exploration for payment of royalties to date.

RAL/zm
cc: Branch
Miller
Opr. Com.
Files

Very truly yours,

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

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

WASHINGTON 25, D.C.

RECEIVED
JUN - 6 1955

June 3, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region 5, Knoxville, Tenn.

Subject: DMEA-3257, Idm-E673 (mica-beryl) W. D. & Mavos Baltzley
Baltzley No. 3 Mine, Powhatan County, Virginia

Transmitted are four copies of a letter from Mr. Baltzley, operator of the subject contract, to Mr. Millar, Chief Mining Engineer, College Park, Maryland, which should have been attached to my memo to you dated June 2, along with Mr. Neumann's memo and the sketch maps.

Robert A. Laurence

Robert A. Laurence

C
O
P
Y

RECEIVED
JUN - 6 1955

PIEDMONT MINING COMPANY, INC.
Powhatan, Virginia

May 19, 1955

Mr. W. T. Millar
Chief Mining Engineer
DMEA
College Park, Maryland

Subj: DMEA-3257 (Mica)
Baltzley Mine #3

Dear Mr. Millar:

On May 24th when this contract ends I estimate we will be twenty-five feet short of completing the drifting. At present we have approximately thirty-five feet of the drifting uncompleted.

The operation here was resumed around the first of May and I expect it will continue smoothly however, it now appears that the time element involved will be insufficient. I believe this remaining drift can be finished with an additional two weeks added to the contract time. To be on the safe side I would like to request an amendment to the contract allowing us an additional month to complete the project.

On the extreme opposite end of this approximate seventy acre tract of land covered by the contract, there occurs a prominent quartz rib (pegmatite). This quartz rib strikes in the same general direction and appears to be more or less lined up with the vein at Baltzley #3. This same quartz rib outcrops for approximately forty feet across the surface and is approximately four feet wide. The rib of quartz appears to be especially rich with beryl. After a couple hours work we recovered in the neighborhood of three hundred pounds of beryl. There are numerous crystals measuring eight inches in diameter that were left in the solid rock. The full width of the pegmatite has not yet been determined. Toward the end of the two hours work on this deposit we began to find a flat unstained but small ruby mica.

Mr. Lynch and Mr. Neumann looked over this deposit when they visited here this morning. I asked them of the possibilities of getting an amendment to my contract that would include my estimated need of twenty hours bulldozing to test this deposit by running a trench along the west side of the rib of quartz. They made helpful suggestions as to the procedure.

The bulldozer that I use here is a caterpillar six and the rate on this equipment is $12.00 an hour.

The distance between this deposit and the one at Baltzley mine #3 is approximately one third of a mile.

Sincerely yours,

/s/ W. D. Baltzley
W. D. Baltzley

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 2031 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUN - 6 1955

June 2, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region 5, Knoxville, Tennessee

Subject: DMEA-3257, Idm-E673 (Mica-beryl) W. D. & Mavos Baltzley, Baltzley No. 3 Mine, Powhatan County, Virginia

The Operator of the subject exploration contract has requested an amendment to the contract to provide for some bulldozer trenching to explore some newly discovered pegmatite outcrops. Four copies of a memorandum from G. L. Neumann, Bureau of Mines, recommending approval of this request, and four copies of a sketch map, are included.

Because of the small sum requested, it does not seem worthwhile to have a special examination by a Survey Geologist. Therefore, we recommend approval of an amendment to provide an additional $240 for 20 hours of dozer trenching with a D-6 bulldozer or equivalent. No provision for underground work is requested at this time, but presumably another amendment will be requested if the trenching indicates that it would be justified.

The contract has already been amended, On may 24, to extend the time for completion until August 24.

Robert A. Lawrence
EXECUTIVE OFFICER
DMEA REGION V

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

C O P Y

RECEIVED
JUN - 6 1955

May 25, 1955

Memorandum

To: W. T. Millar

From: G. L. Neumann

Subject: Docket No. DMEA-3257 - (Mica-beryl)
Baltzley No. 3 Mine, Powhatan County, Va.
Contract Idm-E673

The closing date of the subject contract is May 24, 1955. W. D. Baltzley, the Operator, has requested a 30-day extension of time. I recommend that this extension be granted to July 6, 1955 (30 working days).

Also, Mr. Baltzley has applied for an amendment to perform some additional exploration on another section of the Jervey Farm property. He requests $240.00 to perform 20 hours of bulldozer trenching at $12.00 per hour.

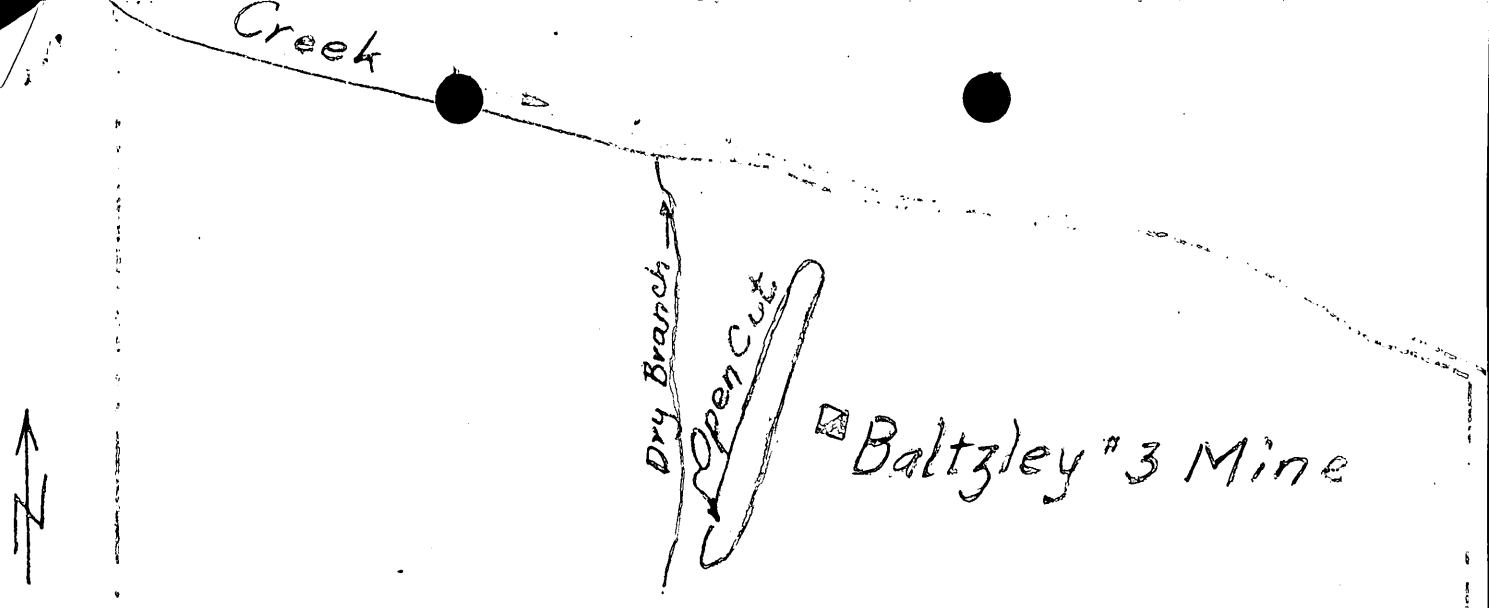
(see sketch map).

A bulldozer trench 5 feet deep, 6 feet wide, extending 20 feet to the southwest and 80 feet to the northeast of the new discovery should establish the continuity of the pegmatite and test the mica and beryl content in this section. Another trench 5 feet deep, 6 feet wide, and 50 feet long, would accomplish this at the other indicated outcrop to the northeast. This work could readily be accomplished within the 20 hour working time with a D-6 dozer. On my recent inspection trip I looked at this pegmatite outcrop near the southeast corner of the Jervey Farm, and observed the good beryl showing. This pegmatite has the same general trend as shown in the open cut at Baltzley #3 mine and may be a continuation of it. It is probably 1200 feet southeast of the open cut. Six crystals aggregating some 300 pounds of beryl are visible in the outcrop. Indications of a fair grade of mica, very similar to that in present contract open cut, are also present in the hand-dug trench along the outcrop.

I recommend that the contract be amended to give the Operator an additional 30 days' time beyond the present contract and that the present contract be increased by $240.00 to allow for the bulldozer trenching. I think that the amount of trenching asked for will be sufficient to explore the surface showings in these sections.

s/ G. L. Neumann

COPIED by zm.
Opr. Com. -4



50' Pegmatite Outcrop

Proposed bulldozer trench

JERVEY FARM

Proposed bulldozer trench

Hand dug Trench

Pegmatite Outcrop
Showing of beryl & mica
New Discovery

DMEA 3257
Idm E-763

SKETCH OF JERVEY FARM
showing
NEW DISCOVERY
and
PROPOSED EXPLORATION

Approximate Scale
1" = 200'

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

RECEIVED
JUN - 2 1955

May 31, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: Amendment No. 3, DMEA-3257, Idm-E673 (Mica)
W. D. and Mavos Baltzley, Powhatan, Virginia
Baltzley Prospect, Powhatan County, Virginia

Enclosed are the Government, Division, and Docket copies of the subject amendment, providing an additional three months' time for completion of the project. Usual distribution of the other copies has been made.

Robert A. Laurence

Robert A. Laurence

Enclosures 3

RECEIVED
JUN 16 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Report of Inspection

by
G. L. Neumann, Engineer
May 20, 1955

(The engineer was accompanied by V. J. Lynch, Bureau of Mines Member of DMEA Field Team, Region V)

Docket No. DMEA-3257 - (Mica)
Contract No. Idm-E673
Operator: W. D. & Mavos Baltzley, Powhatan, Va.
Property: Jervey Farm, Baltzley No. 3 mine
Powhatan County, Va.

RECEIVED
JUN 15 1955

Summary:

This contract was inaugurated to enhance the Nation's reserves of strategic mica. The work program consisted of: (1) sinking of a 5' x 7' vertical two compartment shaft to a 65-foot depth; (2) 100 feet aggregate of 5' x 7' crosscut across the pegmatite vein and drifts to the north and the south along the vein at the 60-foot level. The shaft was completed, the crosscut, 14 feet long, cut across the vein between 6 and 10 feet west of the shaft. The north drift has progressed to 25 feet and the south drift to 28 feet. The pegmatite vein in the north drift has remained about 3 feet wide. The vein in the south drift rolled to the east about 15 feet south of the shaft and then rolled back to the west to parallel the original trend. The vein pinched to about 18" wide. The mica is good quality but not as plentiful as in the opencut. The expiration date of the contract was again amended, this time to August 24, 1955.

Conclusion:

Work progress has been slow on account of numerous irritating circumstances, mostly labor troubles and attempting to make miners out of farm hands. A good workmanlike job has been safely done.

Recommendations:

It is recommended to complete the two drifts to the approximate length of 43 feet for each, thus completing the contract.

Work Completed:

The shaft and crosscut have been completed. The north drift is 60 percent and the south drift 70 percent completed. The contract should be completed within 30 days.

Progress:

Progress has been slow due to numerous irritating circumstances. The operation has been carried out safely and in a workmanlike fashion. Reports have

been regular and accurate. The mica encountered has been discouraging in that the quantity is much less, although the quality appears to be slightly better than in the opencut mining, due to its fresh unweathered condition.

G. L. Neumann

College Park, Md.
June 7, 1955

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Bureau
APR 13 1955

Report of Inspection

DMEA Docket No. 3257 - (Mica)
Operator: W. D. & Mavos Baltzley, Powhatan, Va.
Property: Baltzley #3 mine (Jervey Farm), Powhatan County, Va.
Contract No. Idm-E673

Visited March 31 and April 1, 1955 by G. L. Neumann.

Summary: The object of this project was to enhance the reserves of strategic mica and to test the mica content of this pegmatite vein as to quantity and quality below the weathered zone. The work program consists of a vertical 5 x 7 shaft, located 50 feet to the east (hanging wall side) of the center section of the open cut, from which considerable good grade mica had previously been mined. This shaft was to go to a depth of 65 feet and a level established at 60 feet. An aggregate of 100 feet of crosscut E and W and drifting N and S was to be driven. The shaft has been completed, a 14-foot crosscut across the pegmatite was driven at the 60-foot level and the drifts were started to the north [redacted] and south along the trend. Both drifts have now progressed approximately 16 feet each. The mica is unweathered, and is less stained than in the open cut. Some warping is evident. The trimmings are small. The qualtity of mica is considerably less than in the open cut. The pegmatite still averages about 3 feet in width. Some fair grade feldspar might be recoverable if there were a local market. The recently installed electric pump handles the water flow nicely. The Operator is still experiencing labor difficulties. This contract is scheduled through Amendment No. 2 to end May 24, 1955.

Conclusion: The showing to date has been fair on account of the improved quality but somewhat discouraging due to the diminished quantity of the mica.

Recommendations: No changes in the work program are necessary. Both drifts should be continued to the completion of the contract allowable maximum approximately 27 feet each. This should still be accomplished in the time allotted on the project.

Statement of Work Completed: 5' x 7' - two compartment shaft 65 feet deep completed. 5' x 7' crosscut to west 14 feet long completed. 5' x 7' drift to north 15 feet completed. 5' x 7' drift to south 17 feet completed. Work remaining: 5' x 7' drift to north 28 feet; 5' x 7' drift to south 26 feet; total 54 feet.

Comments: The progress of this project has been show, chiefly on account of many minor irritations encountered, and labor troubles. The work completed has been done in a workmanlike fashion. The Operator's monthly reports have been on time and accurate. Some of the mica, encountered in the drifting, has been trimmed but none sold. An accurate accounting will be kept when sales are made. The mica appears of a better quality, but not so plentiful as that from the previously mined open cut in the weathered zone. The drift to the south of the crosscut got a little off of the pegmatite vein to the footwall side. The Operator will correct this error.

College Park, Md.
April 6, 1955

/s/ G. L. Neumann

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 12 1955

January 11, 1955

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: W. T. Millar, Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Attached are three copies of Amendment No. 2 for the subject contract signed by the Executive Officer and the Operator.

A copy of the Operator's request for a 90 day extension of the contract is attached.

The Operator has encountered a greater flow of underground water than was anticipated during this exploration and the capacity of the air pump in service is insufficient. The Operator is obtaining electric power and an electric pump which appears the most logical means of handling the present situation. Also, there has been some labor trouble and no doubt limited capital is a contributing factor. Combined these conditions have caused considerable delay in the operations under this contract. The contract is approximately 56 percent complete and at this time it is considered to the advantage of the Government to extend the completion date of the contract.

The indications observed after encountering the vein are favorable and it is possible that a Certificate of Discovery or Development might be justified. There will be no additional cost to the Government.

W. T. Millar

W. T. Millar

RECEIVED
FEB 8 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Enclosures

C... Minerals Administration
O RECEIVED
Y JAN 12 1955

January 3rd. 1955

Subject: Docket DMEA -3257
Contract IDM-E 673

Mr. W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

Dear Mr. Millar:

The project here remains at a standstill since last time I wrote to you.

Electric power has been promised at the location any day now.

It now being evident that I cannot complete the exploration project before January 24, 1955, I wish to request a ninety day extension beyond this date.

Sincerely yours,

/s/ W. D. Baltzley
W. D. Baltzley

Defense Mineral Administration
RECEIVED
JAN 10 1955

College Park, Maryland

January 7, 1954

Mr. W. D. Baltzley

Fine Creek Mills, Virginia

Subject: Docket No. DMEA-3257 (Mica)
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Dear Mr. Baltzley:

In accordance with your letter of January 3, 1955, the attached Amendment No. 2 to the subject contract has been prepared for your signature.

Please sign all six copies of this amendment, retain the Operator's copy and return the remaining five copies to this office.

Very truly yours,

W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

Enclosures - 6

WTM:rwa

copies for GeoCSelfridge
USGS
DMEA Files - 2

C
O
P
Y

January 3rd. 1955

Subject: Docket DMEA 3257
Contract I DM-E 673

Mr. W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

Dear Mr. Millar:

The project here remains at a standstill since last time I wrote to you.

Electric power has been promised at the location any day now.

It now being evident that I cannot complete the exploration project before January 24, 1955, I wish to request a ninety day extension beyond this date.

Sincerely yours,

/s/ W. D. Baltzley
W. D. Baltzley

DMEA
Summary Report
December 31, 1954

Operator:	W. D. Baltzley & Mavos Baltzley
Address:	Fine Creek Mills, Virginia
Mine & Location:	Baltzley No. 3 Mine, Powhatan County, Va.
Docket No.:	DMEA-3257
Contract No.:	Idm-E673
Commodity:	Mica
Total Cost:	$6,250.00
Government Participation:	$4,687.50 - 75%
Duration of Contract:	May 24, 1954 to May 24, 1955 (Amended)

The purpose of this project is to explore for strategic mica by sinking a 65-foot vertical, 5 x 7 foot shaft and at the 60-foot level driving an aggregate of 100 feet of drift and crosscut.

Exploration was started June 14, 1954.

The shaft was completed and a crosscut driven on the 60-foot level for a distance of 8 feet to cross the pegmatite vein. The vein appears to be very similar to that in the open pit above in mica content but shows less weathering. A heavy flow of water was encountered from the vein and the Operator was unable to handle the flow with the air pump used in sinking. He has made a contract with R. E. A. to put in electric power and has obtained an electric pump of suitable capacity.

This contract since commencing, has been harassed by numerous interruptions. The expiration date on the contract has been amended to May 24, 1955.

Defense Minerals Administration
RECEIVED
DEC 8 1954

xxxxxxxxxxxxxxxxxxx
College Park, Maryland

December 7, 1954

Mr. S. D. Baltzley

Pine Creek Falls, Virginia

Subject: Docket No. DMEA 3257 (Mica)
Baltzley No. 3 mine
Powhatan County, Virginia
Contract No. Idm-E673

Dear Mr. Baltzley:

Receipt of the corrected Form MF-104A for the month of November is hereby acknowledged.

We are sorry to hear that you have encountered additional water flow in your cross-cut and that your present pumping facilities are inadequate. We hope that you will soon overcome the conditions and be able to resume the exploration.

Under such circumstances an extension of time to complete the authorized work is considered justified. If you find that the work cannot be completed on or before January 24, 1955, please request an extension of time at an early date in order that an amendment can be prepared before the expiration date of the amended contract, to avoid further delay.

Very truly yours,

W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

WTMillar:rcs

cc: GeoCSelfridge (2)
DMEA (2)

C O P Y

December 1, 1954

Subject - DMEA 3257 (Mica)
W. D. & Mavos Baltzley

Mr. W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defence Minerals Exploration
Administration, Region VIII

Dear Mr. Millar:

Thank you for your letters of November 29 and 30. Enclosed is a corrected form MF-104A for the monthly report of November as you requested.

In the vein area located in the crosscut at the sixty foot level a strong flow of water was contacted. After several days trial I find that my pumping arrangment and equipment is inadequate. The operation remains as it did at the end of the November report.

I have contacted the electric power company and requested power be supplied to the mine. An engineer is to survey the request for power.

With the situation being as it is at the moment, the additional time period does not look good. If needed can there be another extension of time?

Respectfully yours,

(S) W. D. BALTZLEY

W. D. Baltzley

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC - 2 1954

December 1, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Transmitted herewith in quadruplicate is G. L. Neumann's Field Inspection Report of November 24, 1954, for the subject contract.

W. T. Millar

W. T. Millar

Attachments - 4

DMEA
Field Inspection Report
by
G. L. Neumann, Engineer

DMEA Docket No. 3257 - (Beryl, Strategic Mica)
Operator: W. D. & Mavos Baltzley, Powhatan, Virginia
Property: Baltzley No. 3 Mine (Jervey Farm)-Powhatan County, Va.
Contract No. Idm-E673

Visited November 24, 1954

Summary:

This contract was to increase the reserves of beryl and strategic mica and to test the grade of these reserves below the weathered zone.

The authorized work consists of a 65-foot vertical, 5' x 7', two compartment shaft, located 45 feet east of the open cut on the pegmatite deposit, which dips to the east at 50°, and an aggregate of 100 feet of crosscutting and drifting. The shaft has been completed to the 65-foot depth and a level was cut at 60 feet. The pegmatite hit the shaft at a depth of 64 feet. A crosscut 8 feet long has been driven to the west from the hoisting compartment across the vein.

Conclusions:

The pegmatite vein at the 60-foot level is 4 feet west of the shaft and is 3½ feet wide. It appears to contain mica of equal quantity and quality to that mined in the open cut.

Recommendations:

It is recommended that the work proceed without delay. Drifting along the trend of the vein should be started immediately.

Statement of Work Completed:

The sinking of the 65-foot vertical shaft has been completed. A level was started at a depth of 60 feet. A crosscut was driven about 8 feet to the west from the hoisting compartment of the shaft. This crosscut hit the hanging wall at approximately 4 feet and the footwall at 8 feet. The vein appears to be below the weathered zone and from tests appears to contain mica in about the same quantity and of an equal quality, as that which has been mined, trimmed, and sold from the opencut mining above.

Comments on Progress Made:

The progress on this project has been rather slow. The operator was beset by many and various irritating developments. He first had a crew

of experienced mica miners from the Spruce Pine, North Carolina district. These men love to mine mica but do not care for exploration at all, they must be able to see mica in the workings, they went back to North Carolina. Many other nuisances occurred, mostly with the labor crew but the operator plodded on and completed a very nice shaft and started the level. Considerable difficulty has also been experienced in handling the water inflow. A workmanlike efficiency has prevailed. The operator's Monthly Reports have been satisfactory. The shaft was sunk in a muscovite schist, which was badly weathered for about 40 feet, then tightened up by degrees and was very firm at 60 feet. Several pegmatite stringers were cut in the shaft. The pegmatite vein came into the shaft at a depth of 64 feet. It appears fresh and firm. The mica still occurs on both walls of the vein and from preliminary tests holds about the same ratio with the feldspar and graphic granite constituents as it did in the surface mining. Also, the mica appears to be less stained than that at the surface.

/s/ G. L. Neumann

College Park, Md.
December 1, 1954

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

November 17, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3257 - Mica
W. D. Baltzley and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

The Nonmetallic Minerals Division concurs in Amendment No. 1 to the subject contract as written and executed in the field. The time for completion of the project was extended from October 5, 1954, to January 5, 1955.

This amendment is necessary because of operating delays caused by circumstances beyond the control of the Operator.

Walter C. Anderson
Walter C. Anderson
Nonmetallic Minerals Division

RECEIVED
DEC 2 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 9 - 1954

November 9, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. Baltzley and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Enclosed are the original and three copies of Amendment No. 1 to the subject contract, executed by both the Operator and the Government.

W. T. Millar
W. T. Millar

Enclosures - 4

RECEIVED
DEC 2 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 12 1954

October 12, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica - Beryl)
W. D. & Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Transmitted herewith in quadruplicate is G. L. Neumann's Field Inspection Report of October 8, 1954, for the subject contract.

W. T. Millar

W. T. Millar

Enclosures - 4

DMEA
Field Inspection Report
by
G. L. Neumann, Engineer
October 8, 1954

Defense Minerals Administration
RECEIVED
OCT 12 1954

DMEA Docket No. 3257 - (Strategic Mica, Beryl)
Operator: W. D. & Mavos Baltzley
Powhatan, Virginia
Property: Baltzley No. 3 Mine (Jervey Farm)
Powhatan County, Virginia
Contract No. Idm-E673

This property was visited October 8, 1954 by G. L. Neumann.

Summary: This project was undertaken to test the down dip extension of a good mica showing in a 300-foot long open-cut. Stage I consists of a vertical 65-foot, 5' x 7', two compartment shaft on the hanging wall side, calculated to cut the dipping pegmatite vein at 60-foot depth. This shaft is now 55 feet deep. The shaft has been in micaceous schist with stringers of pegmatite. One 3-foot seam of a weathered hornblendic gneiss was cut at a depth of 48' - 51'. The Operator has had considerable labor trouble and other minor irritations to contend with but has made fair progress and is still in there fighting.

Conclusion: The shaft should be finished by November 1st which is fairly well on schedule.

Recommendation: No changes in the operation or objective are indicated at this time.

Work Completed: Stage I is approximately 85 percent complete. Progress has been a little show but the job has been carried on efficiently, safely and in a workmanlike manner. The Operator's Monthly Reports are accurate and adequate. No special geologic features were expected under this stage and none have been encountered. The muscovite schist, in which this shaft was sunk, contains about 40 percent recoverable mica of fair grade and might be worthwhile to investigate if a suitable local market were available. The Operator will notify the Executive Officer when Stage I is to be completed.

The Operator still holes a lease on Baltzley No. 1 and Baltzley No. 2 mica mines. He recently sublet Baltzley No. 2 to some mica miners from the Spruce Pine, N. C. District and they recovered some 1500 pounds of trimmable mica along with 500 pounds of beryl and a good showing of halloysite. — ?

/s/ G. L. Neumann

copies for Mr. Selfridge - 4

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 1 1954

September 30, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. & Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

In accordance with your letter of September 20, transmitted herewith are the Government, Docket and Division copies of "Notice of Assignment," receipt signed by the Executive Officer, DMEA Field Team, Region VIII, acknowledging the receipt thereof, and "Assignment of Accounts" form.

We have distributed the other copies of these documents to the proper parties.

W. T. Millar

W. T. Millar

Enclosures

DMEA Docket
Surname copy
140

Rewritten by Houk Hofflund Chandler Hedges Kiilsgaard Selfridge Johnson

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

SEP 20 1954

Mr. W. R. Parker
Executive Vice President
and Cashier
Bank of Powhatan
Powhatan, Virginia

Re: Docket No. DMEA-3257 (Mica)
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Dear Mr. Parker:

Thank you for your two letters of September 4 enclosing copies of "Assignment of Accounts" and "Notice of Assignment" relating to the above contract.

The "Notice of Assignment" has been sent to the Executive Officer, Field Team, Region VIII, at College Park, Maryland, where the accounts are handled, so that he can fill in the date of receipt thereof, a copy of which he will forward to you.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

LGHouk/JLHofflund/emd
9/17/54
Copy to: DMEA Docket
Solicitor's Docket
Adm. R. File
Operating Committee
Mr. Kiilsgaard, 5227
Mr. Dietrich, 3061
Mr. Houk (2)
Mr. Hofflund
Field Team, Region VIII (2)
chron.
pending

R.C.G.

Docket Copy
Surname:
Houk

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

600

Mr. W. R. Parker
Executive Vice President
and Cashier
Bank of Powhatan
Powhatan, Virginia

Re: Docket No. DMEA-3257 - Mica
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Dear Mr. Parker:

Reference is made to your letter of September 4, 1954, enclosing executed copies of Notice of Assignment of moneys due W. D. Baltzley and Mavos Baltzley under Contract No. Idm-E673, and Assignment of Accounts from W. D. Baltzley and Mavos Baltzley to the Bank of Powhatan.

You will find enclosed a copy of the Notice of Assignment executed by C. O. Mittendorf, Administrator, Defense Minerals Exploration Administration.

Sincerely yours,

Administrator

Enclosure

LGHouk:gad 9/9/54
Copy to: Admr. R. File
Docket
Field Team, Region VIII
Mr. Kiilsgaard, 5227
Mr. Dietrich, 3061
Mr. Houk
Operating Committee

DMEA Docket
Surname copy

140

Hofflund
Houk ~~Houk~~
Chambers
Rewritten by Hofflund
Chambers
Selfridge
Johnson

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

SEP 20 1954

Mr. W. T. Millar
Executive Officer
DMEA Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Re: Docket No. DMEA-3257 (Mica)
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Dear Mr. Millar:

Enclosed are eight copies (one a signed original) of "Assignment of Accounts," Baltzley to Bank of Powhatan, to each of which is attached a copy of "Notice of Assignment" (all duplicate originals), Bank of Powhatan to Administrator of DMEA. To each Notice of Assignment is annexed a receipt indicating the receipt thereof as of the close of business of the date you will write in.

It is necessary for you to sign these receipts because payments are to be made after the date fixed to the Assignee.

The copies are to be distributed in the usual manner, the signed original of the "Assignment of Accounts" to be returned to this office.

One copy of the signed receipt should be sent to the assignee bank, as indicated in the letter from the Administrator to the bank, a copy of which is enclosed.

JLHofflund/emd 9/17/54
Copy to: DMEA Docket
Solicitor's Docket
Operating Comm.
Adm. R. File
Mr. Kiilsgaard, 5227
Mr. Dietrich, 3061
Enclosures 9

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (SLB)

Mr. Houk (2) chron. pending
Mr. Hofflund

APPROVED:

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

Thor H. Kiilsgaard (SLB)
Member, Geological Survey

R.C.S.

600

SURNAME

Hofflund, Houk, Chandler

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

Returned J. A. Lund 9/17/54

Mr. . . T. Miller
Executive Officer, DMEA
Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-3257 - Mica
. . D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

FROM SOLICITOR
SEP 14
FOR SIGNATURE

Dear Mr. Miller:

Enclosed are eight copies (one a signed original) of "Assignment of Accounts", Baltzley to Bank of Powatan, to each of which is attached a copy of "Notice of Assignment (all duplicate originals), Bank of Powatan to Administrator of DMEA. To each Notice of Assignment is annexed a receipt indicating the hour and date of receipt, for signature by yourself.

It is necessary for you to sign these receipts because the assignment becomes effective as of the date entered thereon, and payments are to be made thereafter to the assignee.

The copies are to be distributed in the usual manner, the signed original of the "Assignment of Accounts" to be returned to this office.

Sincerely yours,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

Copy to: Admr. R. File
DMEA Docket
Operating Committee
Mr. Kiilsgaard, 5227
Mr. Dietrich, 3061
Mr. Houk
Mr. Hofflund
Solicitor's Docket
~~Mr. Parker~~, Bank of Powhatan

Enclosures 8

LGHouk/JLHofflund:gad:bbh 9-14-54

Docket Copy
Surname:
Houk

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

INTERIOR DEPT.
SEP 10 1954
SOLICITOR

Registered 9/14/54 140

Mr. W. T. Millar
Executive Officer, DMEA
Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-3257 - Mica
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Dear Mr. Millar:

You will find enclosed herewith three copies of Notice of Assignment on the subject contract to the Bank of Powhatan.

Please distribute the copies in the usual manner.

Sincerely yours,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

Enclosures 3

LGHouk:gad 9/9/54 Solicitor's Docket
Copy to: Admr. R. File
DMEA Docket
Operating Committee
Mr. Kiilsgaard, 5227
Mr. Dietrich, 3061
Mr. Houk
Mr. Hoffman
clear
pending

United States, State and County Depository

CAPITAL AND SURPLUS $300,000.00.

BANK OF POWHATAN

POWHATAN, VIRGINIA

Defense Minerals
RECEIVED
SEP 16 1954

W. R. PARKER
EXECUTIVE VICE PRES. AND CASHIER

September 15, 1954

Mr. C. O. Mittendorf
United States Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

Please refer to your letter of August 24 in regard to contract Docket No. DMEA-3257, W. D. Baltzley. We are particularly desirous of getting these assignments back or acknowledgement of same as quickly as possible.

Yours very truly,

W. R. Parker, Cashier

WRP/mcm

3257

United States, State and County Depository

CAPITAL AND SURPLUS $300,000.00.

BANK OF POWHATAN

POWHATAN, VIRGINIA

W. R. PARKER
EXECUTIVE VICE PRES. AND CASHIER

September 4, 1954

United States Dept. of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

ATTENTION: Mr. C. O. Mittendorf

Gentlemen:

We are enclosing the assignments which you kindly sent to us in your letter of August 24 properly executed. We shall appreciate your acknowledging these just as promptly as possible as we have a directors' meeting and will then pass on the amount we will advance Mr. and Mrs. Baltzley from time to time. We understand that you must approve these assignments which provide for the assignment of all further money due under this particular contract.

We will appreciate a reply by return mail.

Yours very truly,

W. R. Parker, Cashier

WRP/mcm
Enclosure

United States, State and County Depository

CAPITAL AND SURPLUS $300,000.00.

BANK OF POWHATAN

POWHATAN, VIRGINIA

W. R. PARKER
EXECUTIVE VICE PRES. AND CASHIER

SEP 4 1954

Left out of our letter of even date.

Please attach.

WRParker,Cashier.

MEMBER FEDERAL RESERVE AND FEDERAL DEPOSIT INSURANCE CORPORATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D. C.~~
College Park, Maryland

SEP - 3 1954

September 3, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. & Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Enclosed are two copies of the August 1954 progress report from W. D. & Mavos Baltzley, contract Idm-E673, which has been certified for payment by the Finance Officer, Region VIII, DMEA.

Also attached are copies of Mr. Baltzley's letter of transmittal, dated August 31, 1954.

W. T. Millar

W. T. Millar

Enclosures

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

SEP - 2 1954

September 1, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. & Mavos Baltzley
Baltzley No. 3 Mine, Powhatan County, Va.
Contract No. Idm-E673

Transmitted herewith in quadruplicate is G. L. Neumann's Field Examination Report of August 26, on the subject contract.

W. T. Millar

W. T. Millar

Attachments

Field Examination Report
by
G. L. Neumann, Engineer

Docket No. DMEA-3257 - (Mica-Beryl)
Operator: W. D. and Mavos Baltzley, Powhatan, Va.
Property: Jervey Farm, Baltzley #3 mine, Powhatan County, Va.
Contract No. Idm-E673

This property was visited on August 26, 1954.

Summary: This exploration is to increase the reserves of strategic muscovite mica and beryl. Work under Stage I has progressed to a depth of 30 feet of timbered 5' x 7' shaft.

Conclusions: The work has progressed safely and satisfactorily and at a fair rate.

Recommendations: No changes are recommended at this time.

Statement of Work Completed: Thirty of the 65 feet of 5' x 7' vertical shaft under Stage I of the contract have been timbered. There is a 3-foot sump below the timber. The shaft is cribbed with 2" x 8" oak boards, and 4" round poles are used as spreaders and a curtain wall between the hoisting and manway compartments.

Comments: The progress made so far on this contract has been fair. The Operator has won out over a series of irritating coincidences, such as: labor walk-offs, injunctions, lawsuits, change of residence and sickness. All is now peaceful and the tempo of the work accomplished should increase.

The shaft is still in a weathered micaceous schist at a depth of 33 feet. There are numerous small stringers of pegmatitic material in the schist. The formation has tightened some and pop holes in the corners will soon be necessary.

The Operator is using a swinging gin block for his hoisting. The work is orderly, efficient and safe. Housekeeping is good.

A sample of the weathered micaceous schist yielded a recovery of 40 percent of fair to good muscovite scrap. This could be economically worked if a local market were available.

The Operator, during his siege of disturbances, mined about 400 pounds of fair mica from the south end of the open cut. To date this has not been trimmed.

College Park, Md.
September 1, 1954

G. L. Neumann

DMEA
File Copy
Surname
Rubin

UNITED STATES 140
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Mr. W. R. Parker
Executive Vice President
and Cashier
Bank of Powhatan
Powhatan, Virginia

Re: Assignment of moneys under contract
Docket No. DMEA-3257 - Mica
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract Idm-E673

Dear Mr. Parker:

Your letter dated August 11, addressed to the Executive Officer, Region VIII, and enclosing an assignment form executed by Mr. W. D. and Mrs. Mavos Baltzley, has been referred to us, as was indicated in a letter dated August 12 to you from the Executive Officer.

Assignments to banks of money due under Government contracts is permitted, in general, under the Assignment of Claims Act of 1940, as amended (Title 31, United States Code Annotated, Section 203). Assignment of any rights under the Government's exploration contract with Mr. W. D. and Mrs. Mavos Baltzley, however, is, by the terms of the contract, subject to the approval of the Government.

The "Assignment of Accounts" form executed by Mr. W. D. and Mrs. Mavos Baltzley which you submitted as evidence of the assignment of moneys due under the subject contract does not appear specifically to assign further money due under the subject contract. Although we do not require that an assignment be on any particular form, the form used should specifically provide for the assignment of all further money due under Contract Idm-E673 (Docket No. DMEA-3257), dated May 24, 1954, between the United States of America and W. D. and Mavos Baltzley.

For your convenience, we are enclosing eight copies of a "Notice of Assignment." We require that you return to us seven executed copies to each of which should be attached a copy of the instrument of assignment.

At least one of the copies of assignment must be a true copy (a duplicate signed original, or a complete photostat, or a copy certified by an officer authorized by law to administer oaths). A copy of the notice will be returned to you after approval.

We shall be pleased to give prompt consideration to this matter as soon as we receive the forms.

Sincerely yours,

C. O. Mittenderf

Administrator

Enclosures

HCRubin:ep 8-19-54

Copy to: Solicitor's Docket
DMEA Docket
Administrator
Admin. Reading File
Operating Committee
Mr. Houk (2)
Mr. Hofflund
Mr. Rubin
Chron.
Pending

Field Team, Reg. VIII (2)

DMEA
File Copy

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

NS in RR

August 19, 1954

Memorandum

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

From: Acting Assistant Solicitor, Defense Minerals

Subject: Assignment of Moneys under Contract
Docket No. DMEA-3257 - Mica
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract Idm-E673

Attached for your signature is a letter to the Executive Vice President and Cashier of the Bank of Powhatan, Powhatan, Virginia, informing him of the proper procedure to follow in connection with the notification to the Government of an assignment of moneys due under the subject contract. The letter follows the procedures set forth in General Services Circular No. 35 attached to Budget and Finance Letter No. 54, dated January 21, 1952.

Upon receipt from the bank of the forms required in your letter to the bank, regular distribution of them should be made. A true copy of the assignment should be attached to the official Government copy of the contract.

After approval of the assignment by you, all money due under the contract should thereafter be paid to the bank.

/s/ Henry C. Rubin

For J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachments

HCRubin:lm - 8-19-54

Copy to: Mr. Houk(2)
Mr. Hofflund
Mr. Rubin
Chron.
Pending

Solicitor Docket
DMEA Docket
Operating Committee

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

August 19, 1954

Memorandum

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

From: Acting Assistant Solicitor, Defense Minerals

Subject: Assignment of Moneys under Contract
Docket No. DMEA-3257 - Mica
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract Idm-E673

Attached for your signature is a letter to the Executive Vice President and Cashier of the Bank of Powhatan, Powhatan, Virginia, informing him of the proper procedure to follow in connection with the notification to the Government of an assignment of moneys due under the subject contract. The letter follows the procedures set forth in General Services Circular No. 35 attached to Budget and Finance Letter No. 54, dated January 21, 1952.

Upon receipt from the bank of the forms required in your letter to the bank, regular distribution of them should be made. A true copy of the assignment should be attached to the official Government copy of the contract.

After approval of the assignment by you, all money due under the contract should thereafter be paid to the bank.

Henry A. Pontius
For J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachments

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

August 19, 1954

Memorandum

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

From: Acting Assistant Solicitor, Defense Minerals

Subject: Assignment of Moneys under Contract
Docket No. DMEA-3257 - Mica
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract Idm-E673

Attached for your signature is a letter to the Executive Vice President and Cashier of the Bank of Powhatan, Powhatan, Virginia, informing him of the proper procedure to follow in connection with the notification to the Government of an assignment of moneys due under the subject contract. The letter follows the procedures set forth in General Services Circular No. 35 attached to Budget and Finance Letter No. 54, dated January 21, 1952.

Upon receipt from the bank of the forms required in your letter to the bank, regular distribution of them should be made. A true copy of the assignment should be attached to the official Government copy of the contract.

After approval of the assignment by you, all money due under the contract should thereafter be paid to the bank.

/s/ Harry C. Rubin

For J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachments

Solicitor Docket
DMEA Docket
Operating Committee

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

August 12, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
Contract No. Idm-E673
W. D. and Mavos Baltzley, Powhatan, Virginia
(Baltzley No. 3 Mine, Powhatan County, Virginia)

Enclosed is a letter from the Bank of Powhatan, Powhatan, Virginia, with an Assignment of Accounts attached, requesting payments on Contract Idm-E673 to be made to the bank.

The matter is referred to your office for administrative action.

A copy of the acknowledgment of receipt of the Assignment is enclosed.

W. T. Millar

W. T. Millar

Enclosures

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

August 12, 1954

Mr. W. E. Parker
Exec. Vice Pres. and Cashier
Bank of Powhatan
Powhatan, Virginia

Dear Mr. Parker:

Your letter of August 11, 1954 with an Assignment of Accounts for $200.00 signed by . D. Baltzley and Mrs. Mavos Baltzley is hereby acknowledged.

This matter is being referred to the Administrator's Office for legal action and you will be advised accordingly.

Very truly yours,

. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

WTM:rwa

copies for WIBaltzley, Powhatan, Va.
GeoCSelfridge - 2
DMEA Files - 2

$502.50 12
Aug 9 from
Checking C.

United States, State and County Depository
CAPITAL AND SURPLUS $300,000.00.
BANK OF POWHATAN
POWHATAN, VIRGINIA

W. R. PARKER
EXECUTIVE VICE PRES. AND CASHIER

August 11, 1954.

Mr. W. T. Millar, Executive Officer,
Bureau - Survey Field Team,
Defense Minerals Exploration Admin., Region VIII,
College Park, Md.

Dear Mr. Millar: Re No. IDME 673
W. D. & Mavos Baltzley
Powhatan, Va.

The above parties have asked us to make certain advances from time to time on your contracts. They have today requested a $200 advance on the amount now due him, which he tells us is something over $750. We can locate only one copy of our assignment of accounts form. You may prefer some other form, but at any rate, Mr. Baltzley wishes to assign payment of this contract from time to time to the Bank of Powhatan. Checks are to be mailed directly to us and we will take out the amount of advances, then credit his account by the remainder. Will you please reply by return mail, acknowledging receipt of this assignment, sending other copies directly to Mr. Baltzley and to us if you prefer some other form.

Yours very truly,

W. R. Parker

W. R. Parker, Cashier.

P. S. What we would like to have is a standing assignment, assign- all future payments to our bank. If you will prepare such a paper and send to us, we will have it executed by Mr. and Mrs. Baltzley.

MEMBER FEDERAL RESERVE AND FEDERAL DEPOSIT INSURANCE CORPORATION

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8/12/54

REFERRED TO:

1. Mr. Houk, Rm. 4637
2.
3.
4.

FOR:

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

REMARKS: Attached are: cy ea. of FT memo of 8/12/54; ltr. dtd 8/11/54; "Assignment of Accounts—only 1 copy rec'd; and cy of FT memo dtd 8/12/54 to Bank. I sent Orig. FT memo, orig. Bank ltr. & cy of

Check (X) before the items needing attention.

FT ltr. to bank to:
Adm., Johnson,
Chambers, & M&R.

George C. Selfridge
Initials of sender.

GPO 16—63815-1

Hazel

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8/12

REFERRED TO:

1. H. Berry
2.
3.
4.

FOR:

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

REMARKS:

Hazel: Mr Adam said to let you all see this. C

Check (X) before the items needing attention.

ADAM

Initials of sender.

GPO 16—63815-1

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

August 12, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
Contract No. Idm-E673
W. D. and Mavos Baltzley, Powhatan, Virginia
(Baltzley No. 3 Mine, Powhatan County, Virginia)

Enclosed is a letter from the Bank of Powhatan, Powhatan, Virginia, with an Assignment of Accounts attached, requesting payments on Contract Idm-E673 to be made to the bank.

The matter is referred to your office for administrative action.

A copy of the acknowledgment of receipt of the Assignment is enclosed.

W. T. Millar

Enclosures

WTM:rwa

copies for Mr. Selfridge
DMEA Files - 2

COPY

United States, State and County Depository
Capital and Surplus $330,000.00

BANK OF POWHATAN

Powhatan, Virginia

W.R.Parker
Exec. Vice Pres. & Cashier

August 11, 1954

Mr. W. T. Millar, Executive Officer,
Bureau - Survey Field Team,
Defense Minerals Exploration Admin., Region VIII,
College Park, Md.

Dear Mr. Millar: Re No. IDME 673
W. D. & Mavod Baltzley
Powhatan, Virginia

The above parties have asked us to make certain advances from time to time on your contracts. They have today requested a $200 advance on the amount now due him, which he tells us is something over $750. We can locate only one copy of our assignment of accounts form. You may prefer some other form, but at any rate, Mr. Baltzley wishes to assign payment of this contract from time to time to the Bank of Powhatan. Checks are to be mailed directly to us and we will take out the amount of advances, then credit his account by the remainder. Will you please reply by return mail, acknowledging receipt of this assignment, sending other copies directly to Mr. Baltzley and to us if you prefer some other form.

Yours very truly,

/s/ W. R. Parker
W. R. Parker, Cashier

P.S. What we would like to have is a standing assignment, assign all future payments to our bank. If you will prepare such a paper and send to us, we will have it executed by Mr. and Mrs. Baltzley.

Approved by
Standard Forms Committee
Michigan Bankers Association

Assignment of Accounts

To Bank of Powhatan, Powhatan, Va.
Name of Bank Address

WHEREAS, the undersigned is indebted to the above mentioned bank, hereinafter called 'bank", at the date hereof, in the sum of $ 200.00 principal, with interest thereon at the rate of _____% per annum due _____ days after the date hereof;

NOW, THEREFORE, for value received, and for the purpose of securing payment at maturity of the principal and interest of said indebtedness, and of any extension or renewal of the same, and to secure as well all other indebtedness, now or hereafter owing from the undersigned to said bank, the undersigned hereby sets aside, assigns and transfers to said bank, all of the accounts receivable hereinafter described, together with the right to sue for, collect, receive and receipt for the several sums represented by said accounts and to apply the proceeds thereof upon said indebtedness, which accounts hereby are warranted to be valid, subsisting and collectible accounts in the several amounts hereinafter written as to each, and are described as follows:

NAME AND ADDRESS OF DEBTOR	AMOUNT OF ACCOUNT
W. D. and Mavos Baltzley	200.00

The provisions and representations appearing upon the reverse side of this instrument are, and shall be construed to be, incorporated herein.

Dated the 11th day of Aug., 19 54.

In presence of:

L. N. Moyer
L. N. Moyer

W. D. Baltzley
Mrs. Mavos Baltzley

DI LANO SERVICE — ALLEGAN MICH. FORM M-14

BUREAU OF MINES
COLLEGE PARK, MD.
1954 AUG 12 AM 7 : 56

PROVISIONS AND REPRESENTATIONS

(1) The Assignee does not, by acceptance of the collateral, assume any duty to collect all or any part of the accounts assigned to it.

(2) The Assignee is granted, and if it so elects may exercise power and authority to collect, sue for and receive, adjust, compromise, settle and fully discharge, in its own name or in the name of the Assignor, at the expense of the Assignor, any and every account described in the assignment of which this grant is made a part.

(3) The Assignee is authorized to endorse in the name of the Assignor all checks, drafts, orders, notes, and other instruments payable to the Assignor, which may come into the hands of the Assignee.

(4) The Assignee shall have the right to give notice to debtors and others of the existence of this assignment, and to require that payment of assigned accounts be made to the Assignee only.

(5) The Assignor represents that the assigned accounts represent bona fide indebtedness which the debtor therein named is under valid legal obligation to pay when due, and that none of said accounts is subject to any right of deduction, set-off or counter-claim, unless otherwise expressly stated on the face of this instrument.

(6) The Assignor represents that no account, nor any part thereof hereby assigned, is subject to any prior lien or assignment, and the Assignor agrees that it will ear-mark and segregate the within assigned accounts upon Assignor's records, so that the same may be readily identified as having been assigned hereby as collateral, and that the Assignor will not assign said accounts, or any of them, to any other Assignee while any part of the indebtedness secured hereunder remains unpaid.

(7) The Assignor agrees to collect said accounts at its own expense as agent for the Assignee, and to immediately deliver to the Assignee all proceeds so collected.

(8) The provisions and representations herein contained shall be for the benefit of the Assignee, its successors and assigns, and shall bind the Assignor and the Assignor's heirs, legal representatives successors and assigns.

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

July 27, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. & Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Enclosed are two copies of the first progress report on forms MF-104 and MF-104A, together with narrative, for the subject contract. This report covers the period ~~June-July~~, 1954, and has been certified for payment by the Finance Officer of Region VIII.

W. T. Millar

W. T. Millar

Enclosures

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

July 26, 1954

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. Baltzley & Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Attached are four copies of a Field Inspection Report covering G. L. Neumann's visit to the subject property on July 22, 1954.

W. T. Millar

W. T. Millar

Attachments - 4

DMEA
Field Inspection Report
by
G. L. Neumann, Engineer
July 22, 1954

Operator:	W. D. and Mavos Baltzley
Address:	Powhatan County, Va.
Mine & Location:	Baltzley No. 3 Mine, Powhatan County, Va.
Docket No.:	DMEA-3257
Contract No.:	Idm-E673
Commodity:	Mica
Total Cost:	$6,250.00
Government Participation:	$4,687.50 - 75%
Duration of Contract:	May 24, 1954 to completion with a period of 5 months

This contract has not progressed as expected. Shaft sinking was started in Stage I in mid June, and only 15 feet of the 65-foot shaft has been completed. The swinging gin pole, employed in many mica operations, is being used in this shaft sinking operation.

The operator, through no particular fault of his, seems to have become involved in several complications at one time. A former partner of his, through jealousy, has disrupted the well-trained crew which the operator had assembled.

The operator is an efficient and experienced mica miner and has made fair progress, considering the irritations he has had to combat in his first month's work under the contract. Progress will improve and the caliber of the work performed will be good, as the labor troubles have now been overcome.

No changes are recommended in the operation of this contract.

Fifteen feet of the planned 65-foot cribbed shaft, 5' x 7' cross-section, has been completed and another 2 feet are ready for cribbing. The ground is still a weathered mica schist. A small flow of water was encountered at a depth of 9 feet.

G. L. Neumann

College Park, Md.
July 26, 1954

DMEA
Summary Report
June 30, 1954

Operator:	W. D. Baltzley & Mavos Baltzley
Address:	Powhatan, Virginia
Mine & Location:	Baltzley No. 3 Mine, Powhatan County, Va.
Docket No.:	DMEA-3257
Contract No.:	Idm-E673
Commodity:	Mica
Total Cost:	$6,250.00
Government Participation:	$4,687.50 - 75%
Duration of Contract:	May 24, 1954 to October 24, 1954

The purpose of this project is to explore for strategic mica by sinking a 65-foot vertical, 5 x 7 foot shaft and at the 60-foot level driving an aggregate of 100 feet of drift and crosscut.

Exploration was started June 14, 1954.

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

June 15, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. Baltzley and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Transmitted herewith in quadruplicate is Barclay G. Anderson's Field Inspection Report of subject contract. This is the first inspection report on this project.

W. T. Millar
W. T. Millar

Enclosures - 4

DMEA
Field Inspection Report
by
Barclay G. Anderson, Engineer
June 11, 1954

Operator:	W. D. Baltzley and Mavos Baltzley
Address:	Powhatan, Virginia
Mine & Location:	Baltzley No. 3 Mine, Powhatan County, Va.
Docket No.:	DMEA-3257
Contract No.:	Idm-E673
Commodity:	Mica
Total Cost:	$6,250.00
Government Participation:	$4,687.50 - 75%
Duration of Contract:	May 24, 1954 to completion within a period of 5 months

The purpose of this trip was to inspect the site chosen by the Operator for his shaft.

There was some misunderstanding on the part of Baltzley as to whether he should sink a vertical shaft on the hanging wall side of the dyke, or an inclined shaft on the dyke.

The Field Team, which made an examination of the project on March 9, 1954, recommended the sinking of a vertical shaft on the hanging wall side of the pegmatite, due east of the swell in the pegmatite and approximately the center of the trench. Such a shaft located 45 feet east of the hanging wall of the pegmatite, will cut the pegmatite at approximately 60 feet vertical depth if the dip of the pegmatite remains constant. As exposed in the trench, the dip of the pegmatite is 50 degrees to the east.

The Operator accepted the recommendation of the Field Team and has prepared the site for sinking operations. He is prepared to start the project on June 14, 1954.

Approximately 4 hours were spent on the property accompanied by W. D. Baltzley on June 11, 1954. Both the No. 3 and No. 1 mines were inspected.

Work at the No. 1 mine is finished except for some clean-up work. The water-level in the shaft stands at about 20 feet below the collar. Most of the equipment has been removed to No. 3 area.

At the No. 3 site the operator has cleaned and leveled off the shaft site and has the following equipment there:

1. A single-drum, gasoline powered hoist, with 3/8 inch cable.
2. A Gardner-Denver - 105 c.p.m. compressor.
3. Two jackhammers with jack legs, carbide tipped drill steel, hoses and wrenches.
4. An air driven sump pump.
5. Derrick and boom, with sheave wheels and sinking bucket.

The Operator has staked out the corners of the 5'x7' shaft with the long axis parallel to the strike of the pegmatite. The distance to the hanging wall of the pegmatite from the west wall of the shaft is 45 feet.

For a reference point for making vertical measurements in the shaft as the work progresses, a spike was driven into a 12 inch pine tree near the base. This spike is 16'-3" south of the southwest corner of the shaft. The difference in elevation between the spike and the ground at the shaft corner is 2'-3".

At the time of this inspection the trench was nearly full of water. Baltzley stated that most of the water was seepage from the base of the hill south of the cut. A ditch has been excavated along the line of seepage and Baltzley stated that the inflow of water had been cut off.

The mica shop has been moved into the old store building about 1.5 miles east along Highway 711, near the intersection of routes 711 and 614. The Five Forks Garage and Filling Station and a large brick store are near this corner. At this time no one is working in the mica shop.

The No. 3 mine is reached by following Highway 614, north from the intersection with 711, a short distance, then taking the first branch road to the left. After passing through a wire gate, a rough road not yet bull-dozed, can be followed by car to the shaft site.

Monthly Report forms MF-104 and MF-104A were left with the Operator. He was instructed how they were to be filled out.

Barclay G. Anderson

June 14, 1954
College Park, Md.

Department of the Interior
Defense Minerals Administration
RECEIVED
JUN 9 1954

June 7, 1954

Mr. C. O. Mittendorf
Administrator, Defense
Minerals Exploration
Administration

Subject: Docket DMEA-3257 -(Mica)
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

Dear Mr. Mittendorf:

The subject contract has been received, signed and returned to Mr. W. T. Millar.

I wish to thank you for your cooperation in this transaction.

Respectfully yours,

W. D. Baltzley

W. D. Baltzley

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

June 2, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: N. A. Eilertsen for Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica)
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia
Contract No. Idm-E673

In reference to your letter of May 24, attached are the Government's copy, Division copy and the Docket copy of Contract No. Idm-E673, which havebeen executed by both the Operator and the Government.

N. A. Eilertsen
N. A. Eilertsen for
W. T. Millar

Enclosures 3

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

May 7, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3257

Applicant: W. D. and Mavos Baltzley

Name and Location of Property: Baltzley No. 3
Powhatan County, Virginia

Date of Field Team Report: April 9, 1954

Date Rec'd. by Ceramic & Fertilizer Materials Branch: April 19, 1954

Field Team Recommendation:

1. Exploration in two stages:
   Stage I - 65 foot shaft.
   Stage II - crosscut with maximum length of 100 feet.

Comments:

1. Total cost estimated to be $3,930 for Stage I and $2,900 for Stage II.

2. Proposed exploration is consistent with good engineering practices.

Recommendation:

I concur in the field team's recommendation for an exploration program in the amount of $6,830.

W. F. Dietrich

W. F. Dietrich

FILE COPY
Surname:
Anderson
Houk
Selfridge

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

MAY 24 1954

Mr. W. T. Millar
Executive Officer, DMEA
Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-3257 -
Mica-
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia

Dear Mr. Millar:

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 Operators for approval and signature. Please explain to the Operators that the contract, when executed, is a firm commitment under the terms of which they are 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 Operators 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.

Sincerely yours,

C
S.2Y

George C. Selfridge

Chairman, Operating Committee (2HB)

Approved:

J. H. Hedges (2HB)
Member, Bureau of Mines

Philip W. Guild (2HB)
Member, Geological Survey

Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

Enclosures 6

WCAnderson:gad 5/18/54

PIEDMONT MINING COMPANY, INC.

POWHATAN, VIRGINIA

W. D. BALTZLEY, PRES. & TREAS.
ROY T. WISE, VICE-PRES.
BETTY LOU WISE, SECRETARY

MICA-BERYL
AND ASSOCIATED
MINERALS

April 26, 1954

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Re: Docket No. DMEA-3257
Mica-Beryl
Baltzley No. 3 Mine
Powhatan County, Virginia

Dear Mr. Houk:

In reply to your letter of April 19th requesting furthur information pretaining to proposed project.

Instead of using a wood frame I had planned to use a gin pole and boom measuring more or less 25 feet in height with a boom of the same proportion. This material is available at the mine. The cost of hoist-cable, guy-cables, blocks, clamps etc. is included as hard ware under Supplies and Equipment in the Estimate of cost section page 4 of the Baltzley application. Hoist-cable would travel through a 12 inch block, and size of hoist cable 5/8 inches in diameter.

In regards to the conversation I had with Mr. W. T. Millar Fridad afternoon April 23, it would be agreeable with me to sink an incline shaft on the dike if it were decided the most advantageous plan.

Unlike neighboring Goochland county I have incountered no heavy ground as yet in Powhatan county.

Sincerely yours,

W. D. Baltzley

W. D. Baltzley

FILE COPY
SURNAME:

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

April 28, 1954

Memorandum

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

From: Chief Counsel

Subject: W. D. Baltzley and Mavos Baltzley, Docket No. DMEA-3257 (Mica)

Attached in satisfactory legal form for execution is a contract covering the above-described project, subject to the attachment of the map referred to in Exhibit "A."

J. L. Hofflund

J. L. Hofflund
Chief Counsel

Attachments

JLHofflund:ep

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

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

April 9, 1954

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 - (Mica-Beryl)
W. D. Baltzley and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia

In reference to your letter of March 30, transmitted herewith are the original and three copies of a revised Field Team examination report on the subject property.

W. T. Millar

W. T. Millar

Enclosures - 4

Reviewed by
DMEA OPERATING COMMITTEE
4-16-54
(date)

Revised Field Team Report on Examination of Property

DMEA Docket No. 3257 - (Mica-Beryl)

GCS 5/11/54

Applicant: W. D. Baltzley and his wife, Mavos Baltzley of Powhatan, Virginia

Property: Baltzley No. 3 mine, located on Jude's Ferry Farm, owned by William P. Jervey and his wife Byrd Pendleton Jervey, in Powhatan County, Virginia

Summary:

The purpose of this application is to explore for strategic mica and beryl on a pegmatite deposit in Powhatan County, Virginia.

The proposed exploratory work is to consist of sinking a vertical shaft 5 x 7 feet to a depth of 60 feet, and 100 feet of crosscutting and drifting.

The application was referred to the Field Team for an examination and report on the deposit.

This deposit was operated by Clinton Dolphin in 1953 as the Dolphin mine and by W. D. Baltzley in 1954 as the Baltzley No. 3 mine.

The deposit has produced strategic mica which was accepted by the Mica Purchasing Depot, Spruce Pine, North Carolina. The sales of strategic mica totaled $8,100. The production was from an open cut 160 feet long, 20 feet wide and 12 feet deep. The pegmatite is 2 to 3 feet thick occurring in micaceous gneiss.

Conclusions:

The mica in this deposit is of strategic quality. Geological indications are favorable for continued production of strategic mica.

The proposed exploratory shaft is considered the most economical method for exploring this deposit. Sinking an inclined shaft from the bottom of the

Reviewed by
DMEA OPERATING COMMITTEE
4-16-54
(date)

open cut would require excessive sinking and maintenance costs in labor and materials to hold the decomposed walls which would be continually caving.

The applicant has demonstrated his ability to develop, mine, produce and process mica from a pegmatite.

Recommendations:

Based on the above conclusions, the Field Team recommends that this application be approved.

Time spent on Property:

The Field Team, composed of J. B. Hanley of the U. S. Geological Survey and G. L. Neumann of the Bureau of Mines, spent the afternoon of March 9, 1954 looking over the Baltzley No. 3 mine, the Baltzley No. 1 mine and the Baltzley mica shop. They were accompanied by W. D. Baltzley.

Location and Accessibility of Property:

The Baltzley mica shop (see map) is located in Powhatan County, Virginia, on Virginia Highway 711 approximately 10 miles east of the village of Powhatan and about 27 miles southwest of Richmond. To reach the Baltzley No. 3 mine from the mica shop, follow Virginia Highway 711, a good all-weather black top road, about 1.5 miles towards the east to a Texaco filling station. Turn left on a good gravel road, Virginia Highway 614, just beyond the filling station. Follow 614 to the north and west for about 1.5 miles to the Jervey Farm. Turn left onto a fairweather dirt woods road and follow for 0.3 mile to the mine. Since no heavy hauling is necessary with a mica-beryl operation the present roads should be adequate.

Competence of Applicant:

The applicant successfully operated the Baltzley No. 1 mine, on the Dolphin Farm. This operation included sinking a shaft to a depth of 60 feet, through which the mine was operated. Production from this operation totaled

$25,000 worth of strategic mica which was purchased by the Spruce Pine Depot. The applicant also operates a mica shop employing 5 to 8 women as rifters and trimmers. Most of the operating personnel has been recruited from the Spruce Pine District, North Carolina, where experienced help appears to be plentiful.

Since Baltzley No. 3 mine is located on property adjoining the Dolphin Farm on which the Baltzley No. 1 mine is located, the applicant is experienced in mining conditions in this area.

The applicant assured the examining engineers that he could provide his share (25 percent) of the exploratory costs.

Applicant's Property Rights:

The applicant has a three year lease with a renewal option on the Jude's Ferry Farm, now owned by William P. Jervey and his wife, Byrd Pendleton Jervey. It contains 75 acres more or less, located in Powhatan County, Virginia. The pegmatite lies well within the property lines.

A copy of the lease together with properly executed Owner's Consent to Lien forms (MF-203) accompanied the application. There are no liens or mortgages against the lease.

History of Property:

The Baltzley No. 3 mine workings, prior to the Dolphin operation in 1953, consisted of one small test pit. Dolphin opened the pegmatite over a length of 75 feet, mostly by pick and shovel and wheelbarrow. Some of the overburden was stripped with a bulldozer to a depth of 5 to 6 feet, then the pegmatite was mined for an additional depth of 4 to 6 feet. The open cut at the time Baltzley took over was 75 feet long, 20 feet wide and 10 to 12 feet deep. Dolphin sold $7300 worth of strategic mica to the Spruce Pine Depot. Baltzley, while waiting for his application to be processed, stripped some 80 feet to the south of the Dolphin work and has worked the pegmatite over this length to a depth of

2 to 6 feet, producing $800 worth of strategic mica which was sold to the Spruce Pine Depot. This sale is confirmed by GSA Warranty, Acceptance and Invoice EPS-4-780A. This south end and a spot near the present center of the cut, where the pegmatite swelled to a width of about 10 feet, were the only places the pegmatite could be seen at the time of the examination. The only equipment at the Baltzley No. 3 mine consisted of a gasoline sump pump.

The breakdown on the mica sold by Clinton Dolphin in 1953 was as follows:

		Grade 3 (pounds)	Grade 4 & 5 (pounds)	Grade 5½ & 6 (pounds)
Good stained	-	0.80	54.28	219.26
Stained	-	1.68	53.43	151.81
Heavy stained	-	-	7.56	16.34

Total sold - 536.82 pounds 57% good stained, 39% stained, 4% heavy stained.

Clinton Dolphin had a one year lease and did not work the property as diligently as the owner desired so the lease was not renewed. Baltzley has a reputation as a good operator, substantiated by his sales record, and had no difficulty in obtaining the lease.

Geology:

The Jervey pegmatite body on Jude's Ferry Farm, being operated under the name of the Baltzley No. 3 mine, is in the bottom of a small amphitheater formed by the junction of several minor tributaries to the James River. The pegmatite trends in a general northerly direction between two of these tributaries. The general geologic setting of the area as well as the general features of the pegmatites in the area are set forth by Jahns and Griffitts in U. S. Geological Survey Professional Paper 248-C. The Jervey pegmatite is not described as it was unknown at the time the report was written.

The pegmatite is at least 160 feet long and ranges from 2 to 3 feet in thickness as exposed in the bulldozer trench and old mine workings. It does not

crop out beyond the workings as it is buried beneath five to six feet of alluvium and stream gravels. The pegmatite trends North and dips 45 to 50 degrees East, parallel to the foliation of the enclosing biotite-feldspar gneiss, throughout the northern 95 feet of the old workings, as indicated mainly by the outline of these workings and a few, widely separated exposures of the pegmatite. South of this section of the workings the pegmatite body trends N. 5° E., and dips 65° SE., and is also conformable to the foliation in the wall rock.

The pegmatite body, judging by the outlines of the old workings, is also offset on the footwall side at two other places either by faulting or by rolls in the plane of weakness along which it was emplaced. The offsets are small in horizontal dimension as they are about the width of the pegmatite body. A slickensided fault plane is exposed in a shallow prospect pit at the south end of the workings, but the pit is not deep enough to reveal the effect of the fault on the pegmatite.

The pegmatite is deeply decomposed as exposed in the floor of the workings where it consists of kaolinite, muscovite, and quartz. Exposures outside of the workings do not reveal the lower depth of weathering in either the pegmatite or the wall rock. Near the central part of the workings it appears to be thicker and contains a poorly exposed quartz-perthite core. Some of the perthite is unweathered and occurs in 12-inch crystals. Garnet and beryl are accessory minerals in the core. Beryl forms well-shaped crystals that are 2 to 3 inches in average diameter. None was seen in place and the number of crystals recovered in mining has been small. Books of muscovite occur throughout the pegmatite, but are most abundant on the footwall side. According to Mr. Baltzley the mica content has been consistent throughout the explored length of the pegmatite. The exposures seen were insufficient to form a basis for any estimate of the muscovite content of the pegmatite. Where exposed, however, muscovite was visually estimated to

form 15 to 20 percent of the pegmatite.

Despite the apparent richness in muscovite of this pegmatite, the recovery of block muscovite that will yield sheet mica will be low because of the defects of the mica. Much of the mica seen in the walls was cracked and broken so that a book that is 8 inches across would only yield sheet of the smaller sizes. In addition, most of the mica from the south end, and reportedly from the north end also, is warped and waved. According to Mr. Baltzley, the mica recovered from the central part of the workings has a higher percentage of flat sheet than the mica from the ends of the workings. With proper preparation, as proved by the sales to the GSA Mica Depot at Spruce Pine, this mica yields a high proportion of good stained or better sheet. Inspection of the block mica from this mine stored at Baltzley's mica house and of block mica in place at the mine indicates that a very large proportion of the sheet recovered will be in the smallest sizes, that the quantity of sheet in the larger sizes will be very small, and that most of the product of the rifting and trimming will be punch mica.

The proposal to explore this pegmatite by sinking a 65-foot vertical shaft 45 feet east of the hanging wall of the pegmatite and at right angles to the thickest part of the pegmatite appears to be sound on the basis of the observed geology. The whole thickness of the pegmatite will have to be mined as a unit as the pegmatite is too thin for selective mining, and if the shaft is sunk on the pegmatite the walls of the shaft will be in the wall rock, which probably is decomposed to a greater depth than the pegmatite. The pegmatite does not appear to contain enough recoverable beryl for this mineral to pay for any part of the mining costs. None of the other minerals except the muscovite are in commercial quantities.

Availability of Manpower, Materials, Supplies, Equipment, Water and Power:

General labor is available locally at $1.25 per hour; experienced labor is available from the Spruce Pine, North Carolina pegmatite district at $1.50 an hour. Materials, supplies and equipment can be procured in Richmond, 27 miles northeast. Water is available in the adjacent small creeks or in the James River, 0.5 mile to the north. The R.E.A. power line runs close to the property.

Statement of Applicant's Proposal:

The exploration program as outlined in the application appears to be the most expedient method of exploring this deposit. Since both walls are of decomposed mica gneiss excessive costs in labor and materials would be required to retain the walls. It is considered more economical to sink a shaft on the hanging wall side to intersect the pegmatite at a good prospecting depth, than to try to put the shaft down on the pegmatite from the bottom of the old open cut.

The unit cost estimate presented with the application appears sufficient but not exorbitant. The target seems plenty large in view of the past production and normal potentalities. If the quantity of mica holds up to the percentage as mined in the open cut, the quality might improve and this exploration should be very successful and the exploration costs easily paid off.

Exploration Project:

The expected starting time of this project is within 30 days after the contract is signed.

The expected time for completion of the exploratory program is 4 months. Shaft work, 8 weeks, working 6 days a week, and crosscutting and/or drifting, 8 weeks, working 5 days a week.

Description of the Project:

Stage I - consists of sinking a 5 x 7 foot shaft to a depth of 65 feet, and cutting a station at the 60-foot level with a 5-foot sump. The shaft site is

45 feet east of the hanging wall side of the pegmatite and due east of the swell in the pegmatite which is approximately the center of the present 160-foot long open cut. With the pegmatite dipping 45° to 50° to the east the shaft should cut it at a depth of about 60 feet. The probable overburden is 5 to 6 feet deep and there is a slight rise in the topography towards the shaft site.

State II - consists of crosscutting to the pegmatite and drifting both directions along the strike to explore for strategic mica (maximum 100 feet).

Other Data:

Sinking an inclined shaft from the bottom of the open cut is not considered feasible. The pegmatite is thin and the wall rock is decomposed to an unknown depth. Therefore, the shaft would be in decomposed country rock and constantly hampered by sloughing walls in the open cut and surface drainage. The cost of maintaining an inclined shaft under heavy ground would probably be prohibitive. Also, an inclined shaft would require leaving pegmatite pillars for support. This would materially reduce the recovery of mica, and in this case, the loss in mica could easily exceed the cost of the proposed vertical shaft.

The Field Team concurs in the applicant's proposal for a vertical shaft.

Allowable Costs of Project:

Sub-contracts: None

Labor, supervision, consultants:

		Stage I - (8 wks, 6 days/wk)	Totals
Common labor	- 2 men @ $1.25 (including overtime) - 832 hrs.	$1,040.00	
Skilled labor	- 1 man @ $1.50 - 416 hrs.	624.00	
Supervision	- 1 man @ $2.00 (half time) - 208 hrs.	416.00	$2,080.00

Operating materials and supplies:

Timber	- 15M bd. ft. @ $30/M	$450.00	
Hardware	-	100.00	
Gasoline and oil	-	125.00	
Powder and caps	-	75.00	$ 750.00

Operating equipment: (to be rented)

Air compressor	- 2 mos. @ $190.00	$380.00	
Hoist and cables	- 2 mos. @ $77.50	155.00	
Jackhammer, hoses, steel	- 2 mos. @ $42.50	85.00	
Pump	- 2 mos. @ $60.00	120.00	
Detonator	- 2 mos. @ $5.00	10.00	$ 750.00

Rehabilitation: None

New buildings: None

Miscellaneous - equipment repairs and maintenance, accounting, insurance, taxes:	$250.00	$ 250.00
Contingencies:	$100.00	$ 100.00
Total cost of Stage I —		$3,930.00

Labor, supervision, consultants (continued):

		Stage II - (8 wks, 5 days/wk)		Totals
Common labor	- 2 men @ $1.25	- 640 hrs.	$ 800.00	
Skilled labor	- 1 man @ $1.50	- 320 hrs.	480.00	
Supervision	- 1 man @ $2.00 (half time)	- 160 hrs.	320.00	$1,600.00

Operating materials and supplies:

Timber	-	None	
Hardware	-	None	
Gasoline and oil	-	$ 125.00	
Powder and caps	-	75.00	$ 200.00

Operating equipment: (to be rented)

Air compressor	- 2 mos. @ $190.00	$ 380.00	
Hoist and cables	- 2 mos. @ $77.50	155.00	
Jackhammer, hoses, steel	- 2 mos. @ $42.50	85.00	
Pump	- 2 mos. @ $60.00	120.00	
Detonator	- 2 mos. @ $5.00	10.00	$ 750.00

Rehabilitation: None

New buildings: None

Miscellaneous - equipment repairs and maintenance, accounting, insurance, taxes:	$ 250.00	$ 250.00
Contingencies:	$ 100.00	$ 100.00

Total cost of Stage II —		$2,900.00
Stage I -		$3,930.00
Stage II-		2,900.00
Total cost of project -		$6,830.00
Government participation - 75 percent -		$5,122.50

These figures are based on a hypothesis of 1-1/2 feet per shift progress in the shaft work with a 3-man crew. The headframe and hoist house are included as shaft work. Two and a half feet advance is used for cross-cutting and drifting. These costs were based on Mr. Baltzley's shaft sinking operation at the Baltzley No. 1 mine last year.

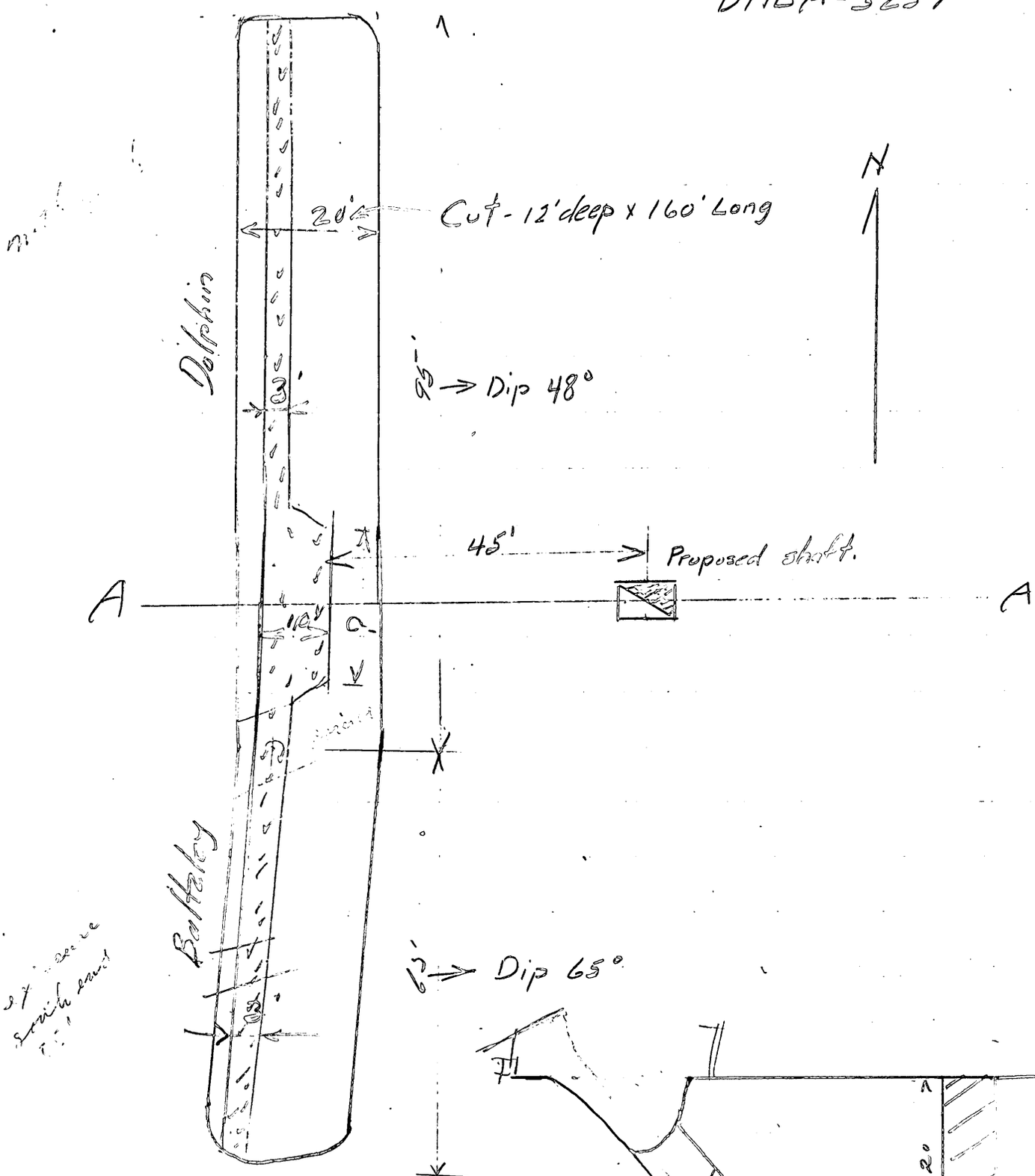
W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

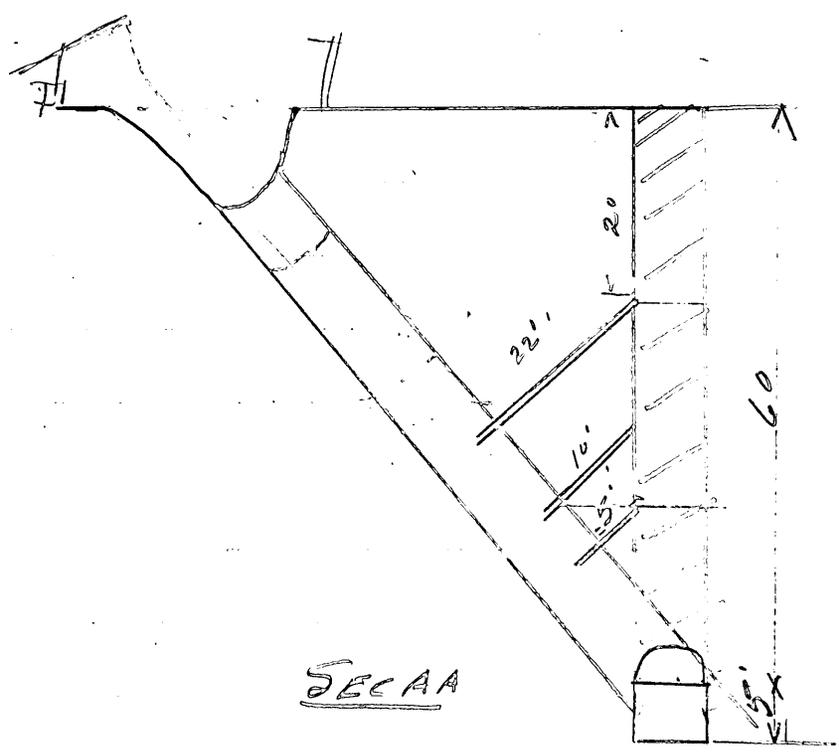
Quentin D. Singewald, U. S. Geological
Survey Member, Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

College Park, Md.
April 8, 1954

Boltzley Mine

DMEA-3257





SEC AA

Shaft - 65' @ $50 = 3,250

Drift - 100' @ $35 = 3500

$6,750

60 feet drilling 60

6,810

FT Proposed 6,830

Subject: Appraisal of Field Team's exploration proposal
Docket No. DMRA-3257-Mica
W. E. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia

Field Team Proposal: Sink a shaft 45 feet east of hanging wall of pegmatite to a depth of 65 feet to intersect the pegmatite as shown on attached sketch. Their estimated cost amounts to $60.44 per foot. Then drive 100 feet of drift on the pegmatite. Estimated drifting cost amounts to $29.00 per foot.

Comments: This shaft sinking proposal is purely development work and should only be done if it is know for sure that the pegmatite continues as illustrated and then only if it is known that the pegmatite is sufficiently rich in mica to make it pay. An exploration method should be employed for finding this out such as drilling or inclining on the pegmatite. The distance on the pegmatite from the bottom of the trench to the proposed shaft bottom is about 63 feet. Field Team's reaction to our proposal of inclining is that country rock is decomposed and the cost of supporting an incline would be prohibitive. It is our contention that the same difficulties would be encountered in sinking proposed shaft.

Most of trail pegmatite

File Copy
Surname:

Baltzley

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

600

APR 19 1954

Mr. W. D. Baltzley

Powhatan, Virginia

Re: Docket No. DMEA-3257 - Mica-Beryl
Baltzley No. 3 Mine
Powhatan County, Virginia

Dear Mr. Baltzley:

Reference is made to your application for assistance in exploring the subject property.

If you will be so kind, we would like to have you furnish information which will be helpful in our review of your application. We would like to have a description and estimated cost of the headframe. The description should include height, size and amount of timber, and size of sheave wheel. The breakdown of the costs into labor, materials, and supplies would be appreciated. Did you encounter heavy grounds in shaft sinking at the Blatzley No. 1?

Processing of your application will continue upon receipt of above requested information.

Sincerely yours,

CONFIRMED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

LGHouk:gad 4/19/54

Copy to: Admr. R. File
Docket File
Field Team, Region VIII
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.B.

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

Defense Minerals Administration
RECEIVED
2 1954

April 2, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3257

Applicant: W. D. & M. Baltzley

Name and Location of Property: Baltzley No. 3
Powhatan, Virginia

Date of Field Team's Report: March 22, 1954

Date Rec'd. by Ceramic & Fertilizer Materials Br.: March 29, 1954

Field Team's Recommendation:

1. Approval of applicant's exploration proposal.

Comments:

1. The pegmatite appears to be at least 160 feet long and from 2-3 feet thick.

2. Strategic mica obtained from the open cut of this mine was sold to the Government Purchasing Depot.

3. Exploration by a 65-foot vertical shaft 45 feet east of the hanging-wall of the pegmatite and at right angles to the thickest part of the pegmatite is proposed by the examiners but no breakdown is given for the estimated costs. It is mentioned in the report that the contract should be written on a unit-cost basis as outlined in the application. Item 6 on page 4 of the application submitted February 15, 1954 shows "unit cost basis, 65-foot shaft @ $60 per foot totaling $3,900 and 100-foot drift or crosscut @ $30 per foot totaling $3,000, giving a grand total of $6,900." The unit-cost for the shaft appears to be from $5-$10 higher than is customary in the southeastern States and no mention is made in the field team's report whether the drifting as proposed by the applicant is to be considered as a part of the field team's recommendation.

Recommendation:

It is suggested the field team be requested to submit a definite plan of exploration and a breakdown of the estimated expenditures on a unit-cost basis, before the contract is approved.

W. F. Dietrich

W. F. Dietrich

File Copy
Surname:

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

MAR 30 1954

Mr. W. T. Millar
Executive Officer, DMEA
Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-3257 - Mica-Beryl
W. D. Baltsley and Mavee Baltsley
Baltsley No. 3 Mine
Powhatan County, Virginia

Dear Mr. Millar:

Reference is made to the field team examination report on the subject property.

It is suggested that the field team recommend a new approach to exploring this deposit. We suggest that exploration work be confined to the pegmatite.

Before writing a contract, we must determine from the field team report the geological premise upon which the contract is recommended and apply the DMEA criterion of geological probability of making a significant discovery. Inclusion of remarks on these items in the field team report would greatly facilitate our work here.

In field team examination reports recommending unit cost contracts the estimated costs should be broken down. (See "Special Notice" in the Minutes of the Operating Committee No. 296, dated November 23, 1953.) In making an estimate the advance should be based upon an efficient operation using a standard drift round. In making estimates for shaft work it will be necessary for the field team to use their knowledge of local geology in estimating the depth of weathering as these costs should be different from the cost in the unweathered pegmatite.

Please refer to Memorandum No. 9 of July 15, 1952, from the Operating Committee, on allowable costs of a recommended project, particularly Section 17 (b). In the future a complete breakdown of the suggested costs should be submitted with each field team examination on which a contract is recommended.

We are unable to get a clear picture of past operations, since the report appears to contain inconsistencies. In two places

R.C.S.
3-30-54

of the report it is stated that the mine workings, from which past production came, consist of an open cut 160 feet long, 20 feet wide, and 12 feet deep. The Operator's sketch shows that work consists of an open cut 75 feet long, 20 feet wide and a maximum depth of 12 feet. In Paragraph 11 of the report, in citing past operations, it says the only period of activity for this deposit appears to have been in 1953 when a cut was made 75 feet long, 20 feet wide, and 12 feet deep. In one instance the report says the pegmatite averages about 4.5 feet wide, and in another the pegmatite ranges from 2 to 3 feet in thickness.

We would appreciate having the field team review their report and submit a revised one.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Approved:

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

T. P. Thayer (JHB)
Member, Geological Survey

LCHouk:gad 3/26/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

IN REPLY REFER TO:
G-MD-CNM

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

March 25, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3257 (mica-beryl)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: W. D. and Mavos Baltzley
Name of property: Baltzley No. 3 mine (Jervey pegmatite)
Location of property: Baltzley #3 mine about 10 miles from Powhatan, Virginia.
Date of field team report: March 22, 1954
Authorship of field team report: J. B. Hanley and G. L. Neumann.
Field team's recommendation: Sink 65' vertical shaft 45' east of the hanging wall of the pegmatite. Drift and crosscut 100' on the pegmatite.

Total $6,900

Comments:

1. Remove beryl from the "reason for project," and let the project stand on mica.

2. Recent records indicate this to be a good possibility of becoming a significant producer.

ACTION RECOMMENDED:
Follow field team's recommendation.

D M Larrabee

D. M. Larrabee

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

March 22, 1954

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3257 (Mica-Beryl)
W. D. Baltzley and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia

In reference to your letter of March 1, regarding a field examination of subject application, enclosed are the original and three copies of a report on examination of this property.

W. T. Millar

W. T. Millar

Enclosures - 4

Reviewed by
DMEA OPERATING COMMITTEE
3-26-54
(date)

FIELD TEAM REPORT ON EXAMINATION OF PROPERTY

1. DMEA Docket No. 3257 - (Mica - Beryl)

2. Applicant: W. D. and Mavos Baltzley,
Powhatan, Virginia

Reviewed by
DMEA OPERATING COMMITTEE 3/19/54
3-26-54
(date)

3. Summary, Conclusions and Recommendations:

The Baltzley #3 Mine deposit produced mica of strategic quality, which was accepted by the Spruce Pine Mica Purchasing Depot, Spruce Pine, North Carolina. This production was from an open cut, 160 feet long, 20 feet wide and 12 feet deep, which was operated by Clinton Dolphin during 1953 and W. D. Baltzley during 1954. The geologic indications are favorable for production of mica. Warranty, Acceptance and Invoice No. EPS-4-780A confirms sales to the Government Depot. The applicant, W. D. Baltzley, has shown his ability to mine and handle mica and also to sink an exploratory shaft.

The exploratory program outlined in the application appears to be the most appropriate method for this deposit. The Field Team recommends that this application be approved.

4. Time spent on Property:

The Field Team, composed of J. B. Hanley of the U. S. Geological Survey and Gustave L. Neumann of the Bureau of Mines, spent the afternoon of March 9, 1954 looking over Baltzley #1 and Baltzley #3 and the Baltzley mica shop. They were accompanied by W. D. Baltzley.

5. Name and Location of Property:

(a) The Baltzley mica shop (see map) is located on Va. Highway 711 approximately 10 miles from Powhatan. It is about 27 miles southeast of Richmond. Baltzley #3 Mine is about 3.5 miles from the Baltzley mica shop by a roundabout road.

(b) The operation is in Powhatan County, Virginia

(c) It is in the Fine Creek Mills Quadrangle, latitude N. 37° 36' 30", longitude W. 77° 47' 00".

6. Condition and Accessibility of Road to Property:

The highway to the property (Jervey Farm) is a good all weather black top road, Va. Highway 711. The road into the farm is a good gravel road, Va. Highway 614. From the farmhouse is a fair dirt road 0.3 mile to the deposit. Since no heavy hauling is necessary for a mica-beryl operation the present roads should be adequate.

7. Competence of Applicant:

The applicant appears to be a good mica operator. W. D. Baltzley has successfully operated the Baltzley #1 Mine on the Dolphin Farm for the past two years. The Dolphin Farm adjoins the Jervey Farm. Baltzley last year did a good job sinking a 60-foot shaft on the Dolphin Farm. He also operates a mica shop near the Dolphin deposit, employing from five to eight women as rifters and trimmers. He assured the Field Team that he could put up his share of the exploratory expense. He has recruited most of his operating personnel from the Spruce Pine, North Carolina district, where experienced help is plentiful.

8. Applicant's Property Rights:

(c) The applicant has a three year lease on the Jervey Farm and has submitted a copy of the lease along with properly executed Owner's Consent to Lien forms (MF-203) with the application.

(e) The applicant assured the Field Team that there are no mortgages or liens existing against the lease.

9. Description of Property:

(a) Surface and surface facilities - The surface at the Baltzley #3 Mine is fairly flat. The deposit is on a knob surrounded by low rolling country,

located about 0.5 mile south of the James River. Two small creeks, one at each end of the deposit, run into the River. The only surface equipment at present is a small gasoline driven pump. Most of the work has been by pick and shovel. A bulldozer was used in the open cut work for stripping a 5-6 foot overburden.

(b) The present mine workings consist of an open cut approximately 160 feet long, trending N-S. It is about 20 feet wide at surface and 12 feet deep at the lowest point. The pegmatite averages about 4.5 feet wide. There is a swell about the center, which is about 10 feet wide. There are no underground workings.

(c) Existing Development - The sketch map included with the application gives a good picture of the present development. The mica recently sold to the Spruce Pine depot by Baltzley came from the south end of the open cut. The sale is confirmed by G.S.A. Warranty, Acceptance and Invoice No. EPS -4-780A. This south end and a small section in the center were the only parts of the pegmatite which could be viewed at the time of the Field Team's visit.

10. Geology and Ore Reserves:

The Jervey pegmatite body on Judes Ferry Farm, mined under the name of the Baltzley #3 Mine, is in the bottom of a small amphitheater formed by the junction of several minor tributaries to the James River. The pegmatite trends in a general northerly direction between two of these tributaries. The general geologic setting of the area as well as the general features of the pegmatites in the area are set forth by Jahns and Griffitts in U. S. Geological Survey Professional Paper 248-C. The Jervey pegmatite is not described in this publication as it was not known at the time this report was written.

The pegmatite is at least 160 feet long and ranges from 2 to 3 feet in thickness as exposed in the bulldozer trench and old mine workings. It does not crop out outside of the workings as it is buried beneath five or six feet

of alluvium and stream gravels. The pegmatite trends North and dips 45 to 50 degrees East, parallel to the foliation of the enclosing biotite-feldspar gneiss, throughout the northern 95 feet of the old workings, as indicated mainly by the outline of these workings and a few, widely separated exposures of the pegmatite. South of this section of the workings the pegmatite body trends N. 5° E., and dips 65° SE., and is also conformable to the foliation in the wall rock.

The pegmatite body, judging by the outlines of the old workings, is also offset on the footwall side at two other places either by faulting or by rolls in the plane of weakness along which it was emplaced. The offsets are small in horizontal dimension as they are about the width of the pegmatite body. A slickensided fault plane is exposed in a shallow prospect pit at the south end of the workings, but the pit is not deep enough to reveal the effect of the fault on the pegmatite.

The pegmatite is deeply decomposed as exposed in the floor of the workings where it consists of kaolinite, muscovite, and quartz. Near the central part of the workings it appears to be thicker and contains a poorly exposed quartz-perthite core. Some of the perthite is unweathered and occurs in 12-inch crystals. Garnet and beryl are accessory minerals in the core. Beryl forms well-shaped crystals that are 2 to 3 inches in average diameter. None was seen in place and the number of crystals recovered in mining has been small. Books of muscovite occur throughout the pegmatite, but are most abundant on the footwall side. According to Mr. Baltzley the mica content has been consistent throughout the explored length of the pegmatite. The exposures seen were insufficient to form a basis for any estimate of the muscovite content of the pegmatite. Where exposed, however, muscovite was visually estimated to form 15 to 20 percent of the pegmatite.

Despite the apparent richness in muscovite of this pegmatite, the recovery of block muscovite that will yield sheet mica will be low because of

the defects of the mica. Much of the mica seen in the walls was cracked and broken so that a book that is 8 inches across would only yield sheet of the smaller sizes. In addition, most of the mica from the south end, and reportedly from the north end also, is warped and waved. According to Mr. Baltzley, the mica recovered from the central part of the workings has a higher percentage of flat sheet than the mica from the ends of the workings. With proper preparation, as proved by the sales to the GSA Mica Depot at Spruce Pine, this mica yields a high proportion of good stained or better sheet. Inspection of the block mica from this mine stored at Baltzley's mica house and of block mica in place at the mine indicates that a very large proportion of the sheet recovered will be in the smallest sizes, that the quantity of sheet in the larger sizes will be very small, and that most of the product of the rifting and trimming will be punch mica.

The proposal to explore this pegmatite by sinking a 65-foot vertical shaft 45 feet east of the hanging wall of the pegmatite and at right angles to the thickest part of the pegmatite appears to be sound on the basis of the observed geology. The whole thickness of the pegmatite will have to be mined as a unit as the pegmatite is too thin for selective mining. The pegmatite does not appear to contain enough recoverable beryl for this mineral to pay for any part of the mining costs. None of the other minerals except the muscovite are in commercial quantities.

11. Past Operations:

The only period of activity for this deposit appears to have been in 1953, when Clinton Dolphin made a cut approximately 75 feet long, 20 feet wide and 12 feet deep. From this he sold approximately $7,300.00 worth of muscovite mica to the Government Purchasing Depot at Spruce Pine. The breakdown on this mica

was as follows:

	Grade 3	Grade 4 & 5	Grade 5½ & 6
	Pounds	Pounds	Pounds
Good stained -	0.80	54.28	219.26
Stained -	1.68	53.43	151.81
Heavy stained -	-	7.56	16.34
	0.5%	22.8%	76.7%

Total sold - 536.82 pounds, 57% good stained, 39% stained, 4% heavy stained.

The operator, Clinton Dolphin, had a one year lease and did not work the property too diligently, so that the owner refused to renew the lease. Mr. Baltzley has a reputation as a very good operator, substantiated by his sales record at the Spruce Pine depot, and, so had no difficulty in obtaining the lease from Jervey.

12. Availability of Manpower, Materials, Supplies, Equipment, Water & Power:

General labor is available locally at $1.25 per hour; experienced labor is available from the Spruce Pine, North Carolina, district at $1.50 an hour. Materials, supplies and equipment can be procured in Richmond, 27 miles. Water is available in the adjacent small creeks or in the James River, 0.5 mile to the north. An R.E.A. power line runs close to the property.

13. Statement of Applicant's Proposal:

The exploration program as outlined in the application appears to be the most expedient method of exploring this deposit. Since both walls are of mica schist it seems more advisable to sink a shaft on the hanging wall side, intersecting the vein at a good prospecting depth, than to try to put the shaft down on the vein from the bottom of the old open cut.

The unit cost estimate presented with the application appears sufficient but not exorbitant. The target seems plenty large in view of the past

production and normal potentialities. If the quantity of mica holds up to the percentage as mined in the open cut, the quality might improve and this exploration should be very successful and easily pay off.

W. T. Millar

W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

Quentin D. Singewald

Quentin D. Singewald, U. S. Geological
Survey Member, Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

College Park, Md.
March 18, 1954

Total Rock

Av. Section - 100 sq. ft. × 75 ft. (length) = 7500 cu. ft.

280 cu. yds.

625 tons ✓

Total pegmatite -

Average section - 48 sq. ft. × length 75 feet = 3600 cu. ft.

133 cu. yds.

300 tons ✓

20

7 | 105

10

15
7
105
22.5
127.5

10

2.5
22

10

127 □' × 75

4 × 1 × 75 = 144 cu. yds

Docket No. DMEA-3257 - Mica-Beryl
W. D. and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan, Virginia

A number of inconsistencies appear in the field team report on the subject property .

Page 1, Para. 1. Summary, conclusions and recommendations:

"This production was from an open cut, 160 ft. long, 20 ft. wide and 12 ft. deep, which was operated by Clinton Dolphin during 1953 and W. D. Baltzley during 1954.

Page 3, Para. (b) States: The pegmatite averages about 4.5 ft. wide. There is a swell about the center, which is about 10 ft. wide.

Page 3, Para. 10. The pegmatite is at least 160 ft. long and ranges from 2 to 3 ft. in thickness.

Past Operations: Page 5, Para. 11:
the only period of activity for this deposit appears to have been in 1953, when Clinton Dolphin made a cut approximately 75 ft. long, 20 ft. wide and 12 ft. deep. From this he sold approximately $7,300.00 worth of mica to the Government Purchasing Depot at Spruce Pine.

The Operator states under 4 (a), Physical Description: An open cut 75 ft. long 20 ft. width, having an average depth of 10 ft. and a maximum depth of 12.ft.

75 20 Tons
1500
$55.00 per Ton
Rec - Clipping

DEFENSE MINERALS ADMINISTRATION

97023

PRODUCTION EXPANSION DIVISION

PROCUREMENT APPLICATIONS

Name of Company and Address _____

Name of Mine and Location _____

Docket No. DMA - _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Length of Contract (preproduction plus production) _____

Amount of Metals or Minerals in tons, units or pounds _____

Floor price or Guaranteed price and whether or not escalated _____

Maximum Government Commitment _____

Comments on Contract: _____

_____

_____

_____

_____

_____

Date sent to Legal Division _____

Date of Recommendation to D.P.A. for Certification _____

Date Certification sent to G.S.A. by D.P.A. _____

Date signed into Contract by G.S.A. _____

Additional Remarks: _____

_____

_____

_____

_____

NOTE: If application is denied, or if it is recommended for change into exploration, etc., please state under additional remarks.

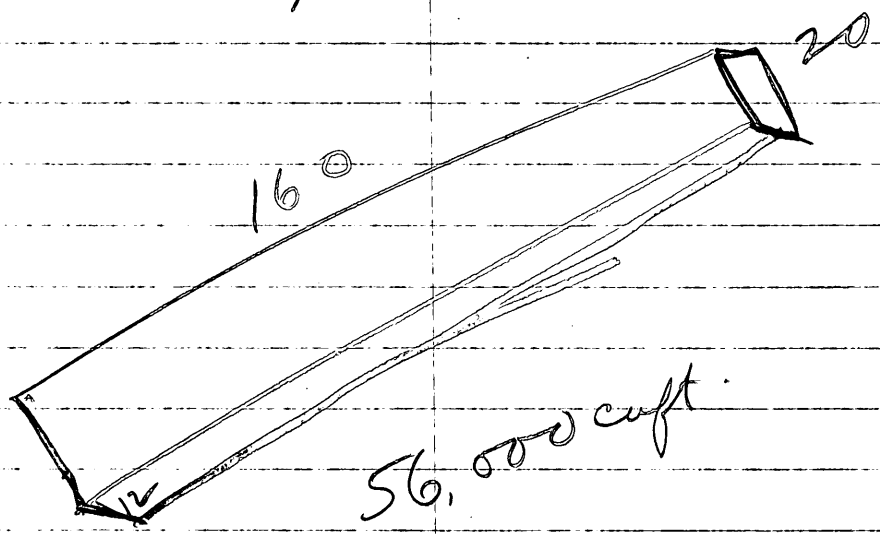
Interior—Duplicating Section, Washington, D. C.

Signed _____

6600 yds
1420 yds
- 242 tons

75' long - 20' width 10' dep

$\frac{22500}{27}$ = 833 yds. =



old cut 75 × 20 × 10 = 22,500 ft = 833 yds = 1800 Tons.
new cut 160 × 20 × 10 = 56,000 ft = 2074 yds = 4480 Tons.
pay. 75 × 4.5 × 10 = 3375 ft = 125 yds 280 Tons.

D. BALTZLEY, PRES. & TREAS.
ROY T. WISE, VICE-PRES.
BETTY LOU WISE, SECRETARY

MICA AND ASSOCIATED MINERALS

PIEDMONT MINING CO., INC.

POWHATAN, VIRGINIA

March 3, 1954

C. O. Mittendorf, Administrator
Defense Minerals Exporation Administration
Washington 25, D. C.

Re: Docket No. DMEA-3257- Mica Beryl, W. D. Baltzley and Mavos Baltzley Baltzley No. 3 Mine, Powhatan County, Virginia

Dear Mr. Mittendorf:

New copies of Owners Consent to Lien are enclosed.

It is our desire to have our application processed under the new Government participation rate, (75% of approved costs) as covered by release dated 11/3/53.

We will be happy to render any assistance required by the members of the field team who may visit. If it is possible to notify us beforehand, we will be better able to meet them and escort them to the mine location.

Thank you for your consideration.

Very truly yours,

W. D. Baltzley

W. D. Baltzley
Powhatan, Virginia

W. D. B.:
6 encl's.

File Copy
Surname:

Houk
~~Dietrich~~
Selfridge
~~Larrabee~~

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

MAR 1 1954

Mr. W. T. Millar
Executive Officer, DMEA
Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-3257 - Mica-Beryl
W. D. Baltzley and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia

Dear Mr. Millar:

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

Copies of memoranda from the Geological Survey, dated February 17, 1954, and from the Bureau of Mines, dated February 23, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

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

Philip W. Guild (PWG)
Member, Geological Survey

Enclosures 4

LGHouk:gad 2/26/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.D. 3-1-54

File Copy
Surname:

Houk
Hedges
Gaiel
Selfridge
Mittendorf

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

600

MAR 1 1954

Mr. W. D. Baltzley

Powhatan, Virginia

Re: Docket No. DMEA-3257 - Mica-Beryl
W. D. Baltzley and Mavos Baltzley
Baltzley No. 3 Mine
Powhatan County, Virginia

Dear Mr. Baltzley:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. W. T. Millar, Executive Officer, DMEA Field Team, Region VIII, Bureau of Mines, Eastern Experiment Station, College Park, Maryland, for further consideration and possibly a field examination.

Kindly obtain new Owner's Consent to Lien as the General Services Administration does not deduct the royalty due the Government. Seven blank copies of Form MF-203, Owner's Consent to Lien, are enclosed for your use, six copies of which should be returned to this office. The Owner's Consent to Lien forms forwarded with your application are returned herewith.

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.

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,

LQHouk:gad 2/26/54

C. O. Mittendorf (for)

Administrator

Copy to: Admr. R. File
Docket File
Field Team, Reg. 8
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA
Mr. Houk

Enclosures 14

R.C. 3-1-54

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

Defense Minerals Administration
RECEIVED
FEB 24 1954

February 23, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3257

Applicant: W. D. Baltzley & Mavos Baltzley

Name and Location of Property: Baltzley No. 3
Powhatan County, Virginia

Application Rec'd by Ceramic & Fert. Mats. Branch: February 16, 1954

Comments:

1. Applicant indicates Clinton Dolphin sold mica from this mine to the GSA Mica Purchasing Depot, Spruce Pine. Bureau of Mines records show Mr. Dolphin sold 480 pounds of mica from the Dolphin mine and 58 pounds from the Jervey mine.

2. Estimated cost of project - $6,900.00.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:
G-MD-CNM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 18 1954

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

Memorandum

February 17, 1954

REVIEW OF APPLICATION DMEA-3257 (MICA-BERYL)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. A. Brobst, U. S. Geological Survey
Applicant's name and address: W. D. and Mavos Baltzley, Powhatan, Va.
Name of property: Baltzley No. 3 (new name).
Location of property: Jude's Ferry Farm, Powhatan County, Va.
Summary of applicant's proposal:

Sink 65' of 5'x7' shaft @ $60/ft.	$3900
100' of drift or crosscut @ $30/ft.	3000
	$6900

Sources of information on applicant's property:
No information in the files.

Comments:

1. The proposal to intercept the peg at depth appears to be sound.
2. The statistics presented in the application make this mine appear very good! The 242 tons of peg removed must have yielded about 800 lbs. of strategic sheet mica valued at approximately $14/lb. The 5.25 tons of block mica equal 2.1% of the deposit mined. Each ton of rock probably contained about 3.3 lbs. of strategic sheet mica with a value of about $45. If 5'x7' drift costs $35/ft, approximately 3 tons of rock valued at about $135 are removed for every foot of drift yielding a net gain of about $100/ft, even excluding values from beryl and poorer mica.
3. If the statistics presented in the application are accurate, the mine could be a fine producer.
4. The applicants are presumably aware of the 75-25% arrangement.
5. If the facts are correct, I wonder why the previous operator quit?!!

RECOMMENDATION: Have the field team examine the property.

D. A. Brobst

D. A. Brobst

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

February 15, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region VIII

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA -3258 W. D. & Mavos Baltzley

ROBERT E. ADAMS

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

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

February 15, 1954
Subject: DMEA-3258
Re: Exploration Assistance
Baltzley No. 3

W.D. & Mavos Baltzley
Powhatan
Virginia

Dear W. D. & Mavos Baltzley:

The receipt of your application dated (undated) for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3258 and referred to the Non-Metallic Minerals Division.

Kindly refer to DMEA-3258 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 15 1954

February 15, 1954

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: W. D. Baltzley & Mavos Baltzley - (Mica)
Jude's Ferry Farm, Powhatan County, Virginia

Transmitted herewith for action are the original and two copies of subject application, which has been reviewed by the Field Team, Region VIII. Also enclosed are six completed copies of form MF-203 (Owner's Consent to Lien).

W. T. Millar

W. T. Millar

Enclosures

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

Defense Minerals Administration
RECEIVED
FEB 15 1954

February 15, 1954

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: W. D. Baltzley & Mavos Baltzley - (Mica)
Jude's Ferry Farm, Powhatan County, Virginia

Transmitted herewith for action are the original and two copies of subject application, which has been reviewed by the Field Team, Region VIII. Also enclosed are six completed copies of form MF-203 (Owner's Consent to Lien).

W. T. Millar

Enclosures

WTM:rwa

copies for Mr. Selfridge - Orig. & 2
DMEA Files 2

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 15 1954

February 15, 1954

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: W. D. Baltzley & Mavos Baltzley - (Mica)
Jude's Ferry Farm, Powhatan County, Virginia

Transmitted herewith for action are the original and two copies of subject application, which has been reviewed by the Field Team, Region VIII. Also enclosed are six completed copies of form MF-203 (Owner's Consent to Lien).

W. T. Millar

Enclosures

WTM:rwa

copies for Mr. Selfridge - Orig. & 2
DMEA Files 2

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
RECEIVED
FEB 15 1954

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

Not to be filled in by applicant

Docket No. 3258
Metal or Mineral Mica & Beryl
Date Received
Estimated Cost $6,900
Participation (Government %)

INSTRUCTIONS

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

W. D. BALTZLEY & MAVOS BALTZLEY
POWHATAN, VIRGINIA

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

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

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

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

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

JUDE'S FERRY FARM
WM. P. JERVEY & BYRD PENDLETON JERVEY, HIS WIFE, OWNERS.
APPROXIMATELY 75 ACRE PORTION SECURED BY 3 YEAR LEASE.

(*b*) State any mine name by which the property is known. New Mine Name "Baltzley No. 3"

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

LESSEE

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

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

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

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

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

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

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

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

5. *The exploration project.*—(a) [redacted] e mineral or minerals for which you [redacted] plore

MICA AND BERYL

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

(*c*) The work will start within 30 days and be completed within 4 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated _____, 195__

WARREN D. BALTZLEY & MAVOS BALTZLEY
(Applicant)

By W. D. Baltzley

Mavos Baltzley

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

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

APPLICATION OF
W.D. & MAVOS BALTZLEY
POWHATAN, VIRGINIA

COPY

COPY OF LEASE

SECTION 1: This lease made this day, December 23, 1953, between William P. Jervey, Byrd Pendleton Jervey, his wife, parties of the first part, herinafter designated as LESSOR, and W. D. Baltzley, Mavos Baltzley, his wife, parties of the second part, hereinafter designated as LESSEE, for mica mining rights of Jude's Ferry Farm, Powhatan County, Virginia. The area leased is bounded as follows: Beginning at a gap in the Jervey-Dolphin fence, about 50 yards south of a branch: thence on a west-east line south of said branch and 100 feet to 150 feet from it, to a corner at an old pasture fence line; thence along said old pasture fence line in a southerly direction to a corner in Jervey-Allyn fence; thence along Jervey-Allyn fence line in a westerly direction to a corner: thence along Jervey-Allyn-Dolphin fence line to the gap, or point of beginning, containing 75 acres, more or less.

SECTION 2: This lease is good for three years, (36 months), from date of signing, and may be extended at the end of the three years if both parties desire to do so. The LESSEE may terminate this lease at any time by giving the LESSOR thirty days notice in writing. The LESSEE agrees to start work within sixty (60) days from date of signing. If the LESSEE stops work for more than ninety (90) days at any one period, the LESSOR reserves the right to cancel the lease.

SECTION 3: The LESSEE agrees to pay the LESSOR ten per cent(10%) of all mica mined and sold. Vouchers or bills of sale will be furnished to the LESSOR.

SECTION 4: There shall be no subletting or transferring of this lease by the LESSEE to anyone in any form or manner.

SECTION 5: If any dispute or misunderstanding arises that cannot be settled by the LESSOR and LESSEE it shall be submitted to arbitration as provided for under the laws of the State of Virginia.

SECTION 6: If other minerals than mica are found the same form of agreement as given in Section 3 will apply.

SECTION 7: The LESSEE is given right to use existing roads, or build a new one if necessary, to get to the state highway.

SECTION 8: If necessary to cut a fence anywhere a substantial gap or gate must be built and kept closed by the LESSOR to keep stock from getting out.

SECTION 9: Where necessary to push over or cut down timber the LESSEE is given right to use it for mine props and other construction work pertaining to this lease; otherwise the LESSor my or may not use salvage it for firewood.

SECTION 10: The LESSEE must use some method to prevent stock from falling into mine trenches and shafts, and before the lease is terminated he shall fill in all open trenches and shafts.

SECTION 11: The LESSOR reserves the right to remove any and all timber from the leased area, other than mentioned in Sec. 10, so long as it does not interfere with the work of the LESSEE.

This lease is herewith signed as follows:

Parties of the first part: William P. Jervey, Byrd Pendleton Jervey

Parties of the second part: W. D. Baltzley, Mavos Baltzley

Subscribed and sworn to before L. W. Moyer, Dec. 23, 1953
Com. Exp. 10/21/56

W. D. BALTZLEY & MAVOS BALTZLEY

POWHATAN, VIRGINIA

PHYSICAL DESCRIPTION

--4

(a) Forty year old prospect pit enlarged to an open cut 75 feet long. Top of cut being an average of 20 feet in width, having an average depth of ten feet and a maximum depth of twelve feet. With the exception of some bull-dozer work on the surface this operation was confined to pick and shovel. Performance was between December 1952 and December 1953. The applicants had no connection with this operation.

(b) Before discontinuance of this operation, the operator, Clinton Dolphin, Fine Creek Mills, Virginia, sold to the U.S. Mica Depot at Spruce Pine, N. C. approximately 550 lbs. of strategic ruby sheet mica valued around $8000.

There is yet to be worked and sold about five tons of the less choice block mica containing approximately 250 lbs. of sheet mica.

In addition to the mica there has been approximately 300 lbs. of beryl recovered from this operation and is yet unsold.

(c) The predominating out-crops on this leased area are of a granite gneiss consistency. The pegmatite vein where the mica and beryl occur lies in a low area among rolling hills that attain an altitude of 300 feet above sea-level.

(cont'd)

(c) cont'd: Due to erosion and sedimentation there was only a small area of vein out-cropping at the time the original work was begun. However a few feet below the surface was disclosed a pegmatite vein of at least 75 feet length, 12 feet depth, 4 feet width, striking north and south for an undetermined length and pitching 50° east, more or less, to an undetermined depth.

My purpose for exploring this deposit is to disclose the vein at a much lower level where if successful an efficient and economical mining operation could be carried on in this apparently rich vein.

(d) Location is accessible by a three-quarter mile logging road which connects with a county-maintained gravel road.

The marketing point, U.S. Mica Depot at Spruce Pine, N. C. is 350 miles distant.

The near area is provided with housing and other facilities.

(e) Having carried on two mining operations in this area during the last year and a half, I have found more than sufficient manpower available.

The City of Richmond is thirty miles away so that supplies, materials and equipment is not a problem.

Water is in sight of the location and power is near-by.

APPLICATION OF

W. D. & MAVOS BALTZLEY

POWHATAN, VA.

THE EXPLORATION PROJECT

--5b In as much as there is a stream at each end, north and south, it is our plan to sink a shaft midway between the north and south striking points of the vein, moving away from the old work east 45 feet (or approximately 60 feet from the former hanging wall position).

PROGRAM

65 ft. Shaft, 5'x 7' cross section

(60 ft. depth plus 5 ft. sump)

100 ft. of cross-cut or drift as determined best to explore deposit: drive cross-cut from bottom of shaft across dike and drift both ways on best mica showing.

--5d The applicant has spent five years actively engaged in mica mining and has supervised the proposed type of operation. We are currently engaged in underground mining on the adjoining property the production of which is being sold to the U.S. Mica Depot.

This new operation will be under my supervision.

APPLICATION OF

W. D. BALTZLEY & MAVOS BALTZLEY

POWHATAN, VIRGINIA

6. ESTIMATE OF COSTS

INDEPENDENT CONTRACTS . . .

UNIT COST BASIS

65 ft. Shaft @ $60. ft.	$3900.	
100 ft. Drift or cross cut @ $30. ft.	3000.	
TOTAL	$6900.	

BREAKDOWN OF UNIT COST

LABOR	Common	1500 hrs @ $1.25	$1875.	
	Skilled	750 hrs @ 1.50	1125.	
	Supervision	375 hrs @ 2.00	750.	
		Labor Total	$3750.	$3750.

RENTAL ON EQUIPMENT

Air compressor	$760.	
Single drum hoist	285.	
Jack hammer	100.	
Sump pump	240.	
Drum and guy cable	20.	
Detonator Battery	20.	
Air and water hose	40.	
Drill steel	35.	
		$1500.

SUPPLIES

Timber	$450.	
Hardware	100.	
Gasoline and oil	250.	
Powder	150.	
		$ 950.

ACCOUNTING AND TAXES	$ 500.
CONTINGENCIES	$ 200.
Total	$6900.