DMEA 3188

DOCKET INDEX

ACTION DOCUMENTS

1	APPLICATION		DATE RECEIVED	10/12/53
2	CONTRACT		DATE	12/14/53
3	TERMINATION AGREEMENT		DATE	
4	CERTIFICATION		DATE	
5	AUDIT REPORT		DATE	
6	AMENDMENTS - NUMBERS	1	DATE	12/16/53
		2		8/10/54
		3		12/13/54
		4		4/13/55
		5		7-12-55

DOCKET COPY

Entered 8/29/55

RECEIVED
JUL 1 1955

EXPLORATION PROJECT CONTRACT

DOCKET NO. DMEA-3188
Idm-E647 (mica)

AMENDMENT No. 5

Contract Idm-E647, Docket No. DMEA-3188, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and Charlie B. Hensley, dated the 14th of December 1953, is hereby further amended as follows:

1. Article 3 is amended to read,.."..... and shall bring the project to completion within a period of twenty-one (21) months from date of contract.."..... instead of nineteen (19) months as written in Amendment No. 4, dated April 13, 1955.

This amendment is necessary because the Operator was unable to finish the project within the specified time.

Dated: July 12, 1955.

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

Charlie B. Hensley
Charlie B. Hensley, Operator

THE UNITED STATES OF AMERICA
By: Robert A. Lawrence
Executive Officer, DMEA
Field Team, Region V

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Docket Copy

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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 21 1955

EXPLORATION PROJECT CONTRACT
DOCKET No. DMEA-3188
Idm-E647 (mica)

AMENDMENT No. 4

Contract Idm-E647, Docket No. DMEA-3188, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and Charlie B. Hensley, dated the 14th day of December 1953, is hereby further amended as follows:

1. Article 3 is amended to read , ".....and shall bring the project to completion within a period of nineteen (19) months from date of contract",... instead of sixteen (16) months as written in amendment 3, dated December 13, 1954.

This amendment is necessary because the Operator was unable to finish the project in the specified time.

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

Charlie B. Hensley
Charlie B. Hensley, Operator

Robert A. Lawrence
EXECUTIVE OFFICER
DMEA REGION V

April 11, 1955

Division Copy

Rubin 11/4/55

EXPLORATION PROJECT CONTRACT
Docket No. DMEA-3188

AMENDMENT NO. 3

Contract Idm-E 647, Docket No. DMEA-3188, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and Charlie B. Hensley, dated December 14, 1953 is hereby further amended as follows:

1. Article 3 is further amended to read, "..... and shall bring the project to completion within a period of sixteen (16) months from date of contract...." instead of twelve (12) months as written in amendment 2, dated August 10, 1954.

December 13, 1954.

This amendment is necessary due to inexperienced help and breakdown of equipment.

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

Robert A. Lawrence
Executive Officer, DMEA-Region VIII

CHARLIE B. HENSLEY, OPER.
Charlie B. Hensley

Docket Copy

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EXPLORATION PROJECT CONTRACT
DOCKET NO. DMEA-3188

AMENDMENT NO. XI

Contract Idm-E6h7, Docket No. DMEA-3188, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and Charlie B. Hensley, dated the 14th day of December 1953 is hereby further amended as follows:

1. Article 3 is amended to read, "..... and shall bring the project to completion within a period of twelve (12) months from the date of this contract...." instead of eight (8) months as written in the original contract.

August 10, 1954.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the cost which the Government may be obligated to pay, under the provisions of Article 4 of the contract form.

THE UNITED STATES OF AMERICA

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

CHARLIE B. HENSLEY, Operator

Charlie B. Hensley

Z

Docket Copy

Submit 2-1-54

EXPLORATION PROJECT CONTRACT
DOCKET NO. DMEA-3188
Idm-E 647 (mica)

Contract Amendment No. 1

Contract Idm-E647, Docket No. DMEA-3188, between the UNITED STATES OF AMERICA, acting through the Department of the Interior, Defense Minerals Exploration Administration and CHARLIE B. HENSLEY, dated the 14th day of December 1953, is hereby amended as follows:

Wherever the words "Bay Betty's Creek No. 3 Mine" appears in the contract strike out the word "Bay."

The mine is known as the "Betty's Creek No. 3 Mine." The word "Bay" was inserted in the application through a typographical error.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the costs which the Government may be obligated to pay, under the provisions of Article 4 of the contract form.

December 16, 1953.

THE UNITED STATES OF AMERICA

By Robert A. Lawrence
Executive Officer, DMEA
Field Team, Region VII

CHARLIE B. HENSLEY, Operator

Charlie B. Hensley

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 3103

COMMODITY Mica

Docket Copy

IDM-E 647

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

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 14th day of December, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Charlie R. Hensley
Sylva, North Carolina

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

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

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

the Operator represents and undertakes:[4]

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

for mining purposes

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

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

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

in or upon the described land; and shall bring the project to completion within a period of Eight 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 90 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 $4,815.00, which is 90 percent of $5,350.00, 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.

16—66329-1

(*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 I substituted for Article 6.

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

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

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C O Mitteudorf
Administrator, Defense Minerals Exploration Administration

Charlie B. Hensley, Operator
Charlie B. Hensley

Witness Britt Chamberlin

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

_____ [CORPORATE SEAL]

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

Department of the Interior
Bureau of Land Management
RECEIVED
JUN 11 1954

ANNEX I

The following provisions are in lieu of Article 6 :

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

b. Percentage royalty.--The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2,--(1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by this contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

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

(b) One and one-half ($1\frac{1}{2}$) per cent of any such net amounts, plus one-half ($\frac{1}{2}$) per cent 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) per cent of such net amounts.

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

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.

EXPLORATION PROJECT CONTRACT
CHARLES B. HENSLEY
DOCKET NO. DMEA-3188

ANNEX II

The land referred to in Article 2 of the contract form is known as the Bay Betty's Creek No. 3 Mine and was leased for mining purposes to Charles B. Hensley for a period of five years by Paul Warren and wife, Ruth Warren, by an instrument dated September 28, 1953. It is located on the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, North Carolina, and described in the aforesaid lease, as follows:

> "Beginning on an oak tree on the side of the private road through the farm of the parties of the first part, which tree stands fifty feet from Betty's Creek, and runs thence up said private road in a South direction 3000 feet to a stake at the edge of said road; thence in a West direction 3000 feet to a hickory tree; thence in a North direction 3000 feet to a stake; thence in an East direction 3000 feet to the BEGINNING."

EXPLORATION PROJECT CONTRACT
CHARLES B. HERRLEY
DOCKET NO. DMEA-3188

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished in the area indicated on the attached map entitled "Sketch of Bay Betty's Creek No. 3 Mine, Jackson Co., N. C., DMEA-3188 (mica)", by the work described below:

1. Clean out and prepare portal site and rehabilitate the existing 15 foot incline.

2. Extend existing incline an additional 50 feet on the pegmatite to a total depth of 65 feet. The incline shall be 5 feet by 7 feet in cross section.

3. After the incline is completed, not more than 80 feet of 5 feet by 7 feet of drift shall be driven on the pegmatite.

The location, direction, and extent of all work shall have prior approval of the Government.

Agreed Unit Costs

1.	Prepare portal site and recondition existing incline 1/	$ 300.00	
2.	Sink incline 50 feet @ $45.00/ft.	2,250.00	
3.	Drift 80 feet @ $35.00/ft.	2,800.00	
	Total Agreed Unit Costs		$5,350.00
	Government Participation @ 90%		$4,815.00

1/ The completed work constitutes the unit.

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

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

Cobey's Creek No. 3

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/ Charles D. Cobey

hereinafter called the "Operator"; and

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

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

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

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

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

4. Changes and added provisions Clean Out Old Mine - Cobey's Creek No 3

Dated this 2 day of Nov, 1953.

Paul Warren [Seal]

Ruth Warren [Seal]

Charlie B. Hensley [Seal]

STATE OF NORTH CAROLINA
COUNTY OF JACKSON
Before me, Paul Warren
NOTARY PUBLIC
My Commission Expires May 31st, 1955

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 Nov. 26, 1953, and recorded in book 250 page 238 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

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. DMEA-3188

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.

1cy to USBM, USGS, REGION, APPLICANT, DOCKET

Routing Slip

To:	C-600	Date	10-12-53
To:	Anderson	Date	10/13/53
To:	Oper Com	Date	10-23-53
To:	600	Date	10-26-53
To:	Opercom	Date	12-11-53
To:	Case 600	Date	12/14/53
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. Hank		6/25
2. OME		
3. ~~800~~		
4. gl ~~500~~		
5. 225		
FROM:		

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

Mica sales and royalty payments on DMEA-3188, IdME-647 Chas. B. Hensley.

Jm

This is a closed case

Box I-4 V

November 15, 1955

Memorandum

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

From: Executive Officer, DMEA - Region V

Subject: Royalty check - Idm-E647, DMEA-3188, Chas. B. Hensley (mica)

Transmitted are bills-of-sale in the amount of $80.50 and a check for 5% royalty in the amount of $4.03 to be credited to the subject contract.

Robert A. Laurence

LM.
cc:
Lynch
Mittendorf
Shirley
Files

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUN 29 1960

DATE	INITIALS	CODE
6/29	Cal	210

copy

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

Authorization No. 6774 Acceptance No. 465 Date: 11-1-55

Seller: C. B. Hensley – Sylva, N. C.

Mine: Bethys Creek No. 3 DMEA No. 3188 - IdwE 647

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb.	Amount
Good Stained & Better Grades No. 3 & larger					$70.00	
No. 4 and 5				.12	$40.00	4.80
No. 5½ and 6				1.57	$15.00	23.55
Stained No.3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00		.62	$ 8.00	4.96
No. 5½ and 6		$ 3.00		7.45	$ 5.00	37.25
Heavy Stained No. 3 & larger		$ 8.00			$13.00	
No. 4 and 5		$ 4.00			$ 6.00	
No. 5½ and 6		$ 2.00		.54	$ 3.00	1.62
LOT TOTALS		//////		10.30	//////	72.18
TOTAL		/////	16.41 / 18.00	X 72.18	=/////	65.80

10-21-55
Sold to: Pan Am Minerals Product Co.
Scrap Mica 14.70
$80.50

Royalty check #403

March 8, 1955

Memorandum

To: Helen Miller, Certifying Officer, Knoxville- Reg. 5

From: Executive Officer, DMEA - Region V

Subject: Royalty check on DMEA-3188, Idm-R647 (mica) Chas. S. Hensley
Sylva, N. C.

Transmitted is a bill of sales in the amount of $176.38, and a check for 5% royalty in the amount of $8.82 on the subject contract.

Robert A. Lawrence

EM.
ccs
Lynch
Mittendorf
C. Hensley
Files

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUN 29 1960

DATE	INITIALS	CODE

Copy

GENERAL SERVICES ADMINISTRATION, REGION VII

Mica Purchase Depot, Spruce Pine, N. C.

Authorization No. 667A Acceptance No. 1631 Date: 3-4-55

Seller: C. B. Hensley R#1, Sylva, N.C

Mine: Bettys No. 3 DMEA No. 3188, Adm E. 647

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/lb.	Amount	Pounds	Price/lb.	Amount
Good Stained & Better Grades No. 3 & larger						
" No. 4 and 5				.03	$70.00	2.10
" No. 5½ and 6				1.76	$40.00	70.40
Stained No. 3 and larger				3.74	$15.00	56.10
No. 4 and 5		$12.00			$8.00	
No. 5½ and 6		$ 5.00		1.48	$ 8.00	11.84
Heavy Stained No. 3 & larger		$ 3.00		3.89	$ 5.00	19.45
No. 4 and 5		$ 8.00			$13.00	
NO. 5½ and 6		$ 4.00			$ 6.00	
LOT TOTALS		$ 2.00			$ 3.00	
TOTAL				16.90		
						159.89

Scrap Mica

Punch Mica

11-5-54 sold to Franklin Mineral Products ---- 16.50

176.38

3/7/55: Royalty check #882

Beck

August 16, 1954

Memorandum

To: Cora Piper, Chief, Finance Division - Region VII

From: Executive Officer, DMA - Region VII

Subject: Royalty check on Idm-3 647, DMA-3188 (mica) C. R. Henaley

Transmitted is a check for $4.03, representing 5% royalty on the attached invoice for the sale of mica from the subject contract.

Robert. A. Lawrence

Z.
Peck
Mittendorf
Files

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUN 29 1960

DATE	INITIALS	CODE

COPY

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

WARRANTY, ACCEPTANCE AND INVOICE

DATE: 7-15-54
ACCEPTANCE NUMBER: APM-325
RECEIPT AND WEIGHT TICKET NUMBER:

ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER: EPS-4-687A
LOT NUMBER: SPAP-125

WARRANTY

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

NAME AND ADDRESS OF SELLER (Type or print)	SELLER OR PERSON AUTHORIZED TO SIGN THIS WARRANTY FOR SELLER
NAME: C. B. Hensley	SIGNATURE:
STREET ADDRESS: R#1 Box 237A	NAME (Type or print): C. B. Hensley
CITY, ZONE AND STATE: Sylva, N. C.	TITLE (Type or print): Owner

EVALUATION AND SETTLEMENT DATA

PROGRAM A - BLOCK OR FILM MICA

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER					$70.00	
GRADES NO. 4 AND 5				.11	$40.00	5.60
GRADES NO. 5½ AND 6				2.37	$15.00	35.55
STAINED						
GRADES NO. 3 AND LARGER		$12.00			$18.00	
GRADES NO. 4 AND 5		$ 5.00		.40	$ 8.00	3.20
GRADES NO. 5½ AND 6		$ 3.00		5.14	$ 5.00	25.70
HEAVY STAINED						
GRADES NO. 3 AND LARGER		$ 8.00			$13.00	
GRADES NO. 4 AND 5		$ 4.00		.58	$ 6.00	3.48
GRADES NO. 5½ AND 6		$ 2.00			$ 3.00	7.11
TOTALS						
LOT TOTALS				11.00		80.64

PROGRAM B - HAND-COBBED MICA

TOTALS					$ 0.30	

ACCEPTANCE

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

GENERAL SERVICES ADMINISTRATION		
BY (Type name): Ed S. Burleson	SIGNATURE:	TITLE: Buyer

INVOICE

TO: General Services Administration, Region IV

FOR: Mica delivered as indicated above — $ 80.64

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

SELLER (Type name)	DATE
C. B. Hensley (Betty's Creek No. 3, DMEA-3188)	7-15-54
BY (Signature): s/ C. B. Hensley	NAME AND TITLE (Type): Owner

GSA FORM 101 September 1957

GSA-WASH DC 53-3094

COPY

RECEIVED
JUL 2 - 1956

June 29, 1956

Mr. Charlie B. Hemsley
Route # 2-Box 237A
Sylva, North Carolina

Re: DMEA-3188, Idm-E6h7 (mica)
Bettys Creek No. 3 Mine
Jackson County, N. C.

Dear Mr. Hemsley:

If you can show new information which will justify further exploration at the Bettys Creek No.3 Mine, you could apply for another contract for additional exploration.

If, however, no work has been done since completion of the DMEA contract, and no new information is available, it is very unlikely that we could recommend any additional work. Results of that contract were not sufficiently encouraging to extend the work.

I am enclosing five copies of form MF-103, which may be used if you wish to apply.

Very truly yours,

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

RAL/sm
ccs
Lynch
Shirley
Opr. Cons.
Files

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

DOCKET COPY
Surname:
Anderson
Houk
Chambers
Selfridge
Johnson

Mr. Charlie B. Hensley

JUN 29 1956

Sylva, North Carolina

Re: Docket No. DMEA-3155-mica
Charlie B. Hensley
Betty's Creek No. 3 Mine
Jackson County, North Carolina
Contract No. [illegible]

Dear Mr. Hensley:

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,

C. O. Mittendorf

Administrator

WCAnderson:ms 6/27/56
Copy to: Docket
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File
Paul Warren)
Ruth Warren) Land Owners...copies to Field for forwarding

R.C.S.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 18 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUN 13 1956

June 11, 1956

Memorandum

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

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

Subject: DMEA-3188, Idm-E647 (Mica)
Charlie B. Hensley
Bettys Creek No. 3 Mine, Jackson County, North Carolina

Reference is made to your teletype of May 24, which we answered by teletype on May 25.

Our field men inspected the mine last week. They report that it has apparently been abandoned for several months. Apparently there has been no further production from this mine.

Robert A. Laurence

Robert A. Laurence
Executive Officer

V. J. Lynch

V. J. Lynch
Member, Bureau of Mines

Mr. W. S. Martin
DMEA.

RECEIVED
MAY 25 1956

NOR 299 US BUR OF MINES NORRIS MSG 122 ATAWTATY ~~XXXX~~5-25-56 6970.4 11-37A

W S MAT XXXW S MARTIN ACTING CHARIMAN OPERATING COMMITTEE DMEA

RE - DMEA-3188 IDM-E647, CHARLIE D HENSLEY, BETTYS CREEK NO E MINE, JACKSON COUNTY, NORTH CAROLINA

OUR RECORDS SHOW PRODUCTION AND SALES OF MICA BY HENSELEY AS FOLLOWS
EE POUNDS SHEET MICA VALUE $307.00
2080 POUNDS SCRAP MICA VALUE $34./////$31.20
R A LAURENCE

MIN CK
IN LINE FOUR OF MESSAGE SHOULD BE 33 POUNDS

Norris, Tenn.

Docket Copy
Surname;
Anderson
Houk
Martin
Johnson
Mitchell

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

Department of the Interior

MAY 24 1956

Defense Minerals Exploration Admin.
14X4401(01) Revolving Fund,
Defense Production Act,
Interior (Allocated Working Fund to
the Office of the Scy.)

TELETYPE

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

Subject: DMEA-3188-Mica, Charlie B. Hensley, Betty's Creek No. 3 Mine, Jackson County, North Carolina, Contract No. Idm-E647

Please supply total poundage and value of mica production to date.

[redacted]
ACTING Cha[redacted]g Committee, DMEA

LGHouk:gad 5/24/56
Copy to: Admr. R. File
Docket
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Operating Committee

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

May 4, 1956

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Non-Certification - Docket No. DMEA-3188-mica
Charlie B. Hensley
Betty's Creek No. 3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

The Nonmetallic Minerals Division recommends that the subject project not be certified. The justification for this recommendation is contained in the attached Project Summary Report of May 1, 1956.

The Field Team in its final report of October 28, 1955, recommended certification. The Commodity members of the Bureau of Mines and the Geological Survey concurred in the Field Team's recommendation.

Walter C. Anderson
Walter C. Anderson
Nonmetallic Minerals Division

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

Project Summary Report

May 1, 1956

By: Walter C. Anderson

1. Docket No. DMEA-3188-mica
Contract No. Idm-E647
Betty's Creek No. 3 Mine
Jackson County, North Carolina

Operator: Charlie B. Hensley
Sylva, North Carolina
Application: Form MF-103(April 1952) received October 12, 1953
Work proposed:
100 feet of "tunnel".
Amount requested:
$3,720.00
Operator's property rights:
Five year mining lease on the Paul Warren property covering 200† acres, dated September 26, 1953
Owner's Consent to Lien dated November 2, 1953

2. Contract: Form MF-200A(February 1952) dated December 14, 1953
Work authorized:

Rehabilitation - existing incline	$ 300.00
50 feet of incline @ $45.00/ft.	2,250.00
80 feet of drifts @ $35.00/ft.	2,800.00
Estimated total cost of project	$5,350.00
Government participation @ 90%	$4,815.00

Amendments:
No. 1 12/16/53 - corrects name of mine by striking out the word "Bay"
No. 2 8/10/54 - extends completion date from 8 months to 12 months
No. 3 12/13/54 - extends completion date from 12 months to 16 months
No. 4 4/13/55 - extends completion date from 16 months to 19 months
No. 5 7/12/55 - extends completion date from 19 months to 21 months
Work completed:
Same as authorized

Project began January 1, 1954 and completed August 26, 1955
Field Team Final Report received November 2, 1955
Operator's Final Report received December 23, 1955 -
Mica produced during operation sold for $337.60
Royalty paid - $16.88
No equipment purchased under contract

3. Audit: Report of Review issued September 9, 1955

Accepted Cost	$5,350.00
Government participation	$4,815.00

4. Certification of Discovery or Development -
Reserve calculations made by the Nonmetallic Minerals Division indicate there is no justification for certification. The following analysis is presented:

a) Nonmetallic Minerals Division Estimate -
Attached is a sketch showing a section along the strike of the pegmatite, which outlines the indicated and inferred blocks of pegmatite. The estimate of mica reserves as shown on this sketch are given in this report as follows:

Pegmatite - 3.5 feet thick, removed by exploration work -
Length - 50'(shaft) + (9.5 + 41.5 + 29) drifts = 130 feet
Volume pegmatite rock - 130x3.5x7 = 3185 c. ft., or 120 c. yds.
Value of mica production - $337.60 or $2.80 c. yd.
$337.60 is the amount on which royalty of $16.88 was paid

Reserves -
Indicated - Block 70'x30'x3.5') = 350 c. yds. @ $2.80/c. yd. or
Block 20'x30'x3.5') approximately $1000.00
Inferred - Block 110'x32'(average) x 3.5 =
460 c. yds. @ $2.80/c. yd., or
approximately $1300.00
Total - 810 c yds. pegmatite rock $2300.00
Royalty $ 115.00

b) Field Team Estimate -
The Field Team in their final report did not submit an estimate of reserves. They commented that "with the information available little concrete data can be supplied as to possible reserves at this deposit" and "although reserves of strategic mica are small, sufficient evidence of the presence of mineable mica was shown to warrant certification".

c) Our estimate of mica reserves is in agreement with the Field Team's statement that they are small and that it is probable that the cost of keeping the project on the books for 10 years will greatly exceed the royalties. Therefore, we can see no justification for certifying this project.

d) It is probable that small returns will discourage the operator from mining out the mica reserves in this deposit.

5. Comments:

How conducted:

Although all of the work accomplished was acceptable to the Government, the operation was not conducted efficiently. The work was constantly slowed down by machinery breakdown, lack of labor, etc., necessitating 4 time extension amendments.

Operation: Much to be desired.

Engineering:

Operator's reporting was far below average

Geological premise:

Presence of a pegmatite as premised was correct. However, the yield of mica per cu. yd. of pegmatite and the reserves are too low to justify certification. In addition the strategic mica will be mostly in small sizes.

Geological criteria upon which work was based:

1. Pegmatite - conformably enclosed by biotite gneiss and lenticular in shape. No information available on size and extent.
2. Mica - localized in vicinity of quartz pods.
3. Past production - limited.

Criteria developed during project:

1. Pegmatite - 2 pegmatites or 2 branches of the same one. Unzoned, 2.5 to 4.5 feet thick and exposed for a distance of 70 feet along strike.
2. Mica - strategic quality, relatively small and many of the books are ruled.

Future possibilities:

Because of the small yield of mica per cu. yd. of pegmatite rock it appears that mining in this deposit would be an uneconomic operation.

Recommendation: Based on the small mica reserve, the small size of strategic mica and the probable uneconomic operation in mining this deposit, the Nonmetallic Minerals Division recommends that this project not be certified. Certification is recommended by the Field Team and concurred in by the Commodity Members of the Bureau of Mines and Geological Survey.

Walter C. Anderson

Walter C. Anderson
Nonmetallic Minerals Division

DMEA-3188

Betlejo Creek Prospect No. 3.

DMEA - 3188

Scale - 1" = 20'

Pegmatite revealed by exploration work. - Pegmatite 3.5' thick

Length = 50' (shaft) + (9.5' + 41.5' + 29') Drifts = 130'

Volume-peg. Rock - 130 x 3.5 x 7 = 3185 C. Ft. or 120 C. Yds.

Value at mica production $337.60 or $2.80 /C. yd. - $337.60 = amount on which royalty of $16.88 was paid.

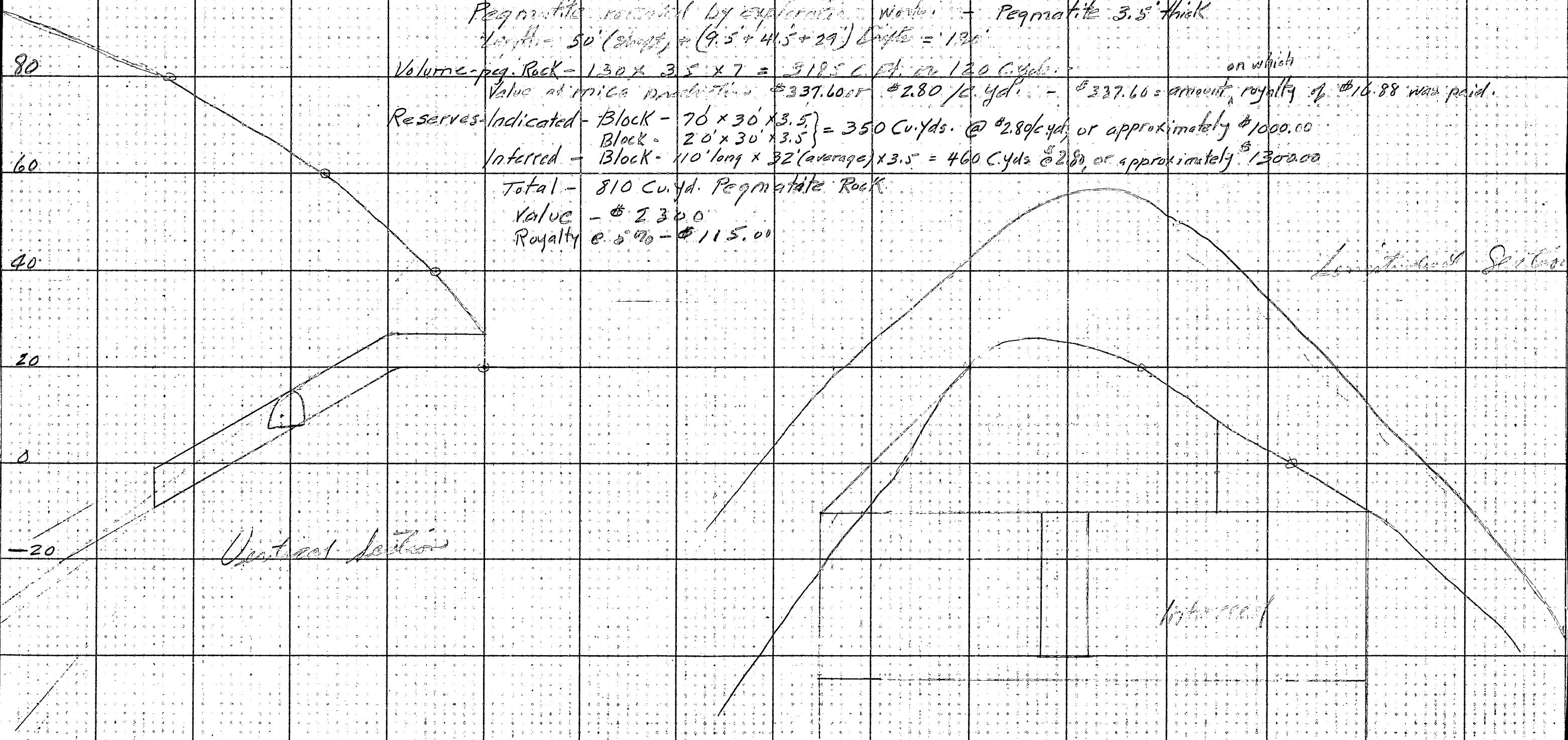
Reserves-Indicated - Block - 70' x 30' x 3.5 } = 350 Cu. Yds. @ $2.80/c yd, or approximately $1000.00
Block - 20' x 30' x 3.5 }

Inferred - Block - 110' long x 32' (average) x 3.5 = 460 C. Yds @ $2.80, or approximately $1300.00

Total - 810 Cu. yd. Pegmatite Rock

Value - $2300

Royalty @ 5% - $115.00



IN REPLY REFER TO:

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

RECEIVED
MAR 12 1956

March 9, 1956

Re: DMEA 3188, Idm-E647
Charles B. Hensley
Bettys Creek Mine No. 3
Jackson Co., N. C.
$5,350.00 - Mica

Memorandum

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

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

Subject: Review of Final Field Team Report.

The contract approved the expenditure of $5,350.00 to explore a pegmatite from which several thousand dollars worth of mica was reported to have been sold to the Colonial Mica Corporation, but no such sales are shown on the microfilms.

The work done consisted of:--

Reconditioning 25 feet of level and inclined adit

Sinking -30° incline 50 feet

Drifting 80 feet (on 2 levels)

The cost equaled the amount approved, $5,350.00.

Two pegmatites or 2 branches of a pegmatite were explored.

The examiners conclude:--

"With the information available little concrete data can be supplied as to possible reserves at this deposit. The upper pegmatite contains an estimated 5 percent total mica and the lower one a slightly higher amount, but the amount of this which can be trimmed into strategic mica is not known. Certainly the strategic mica will be mostly in small sizes. The strike length of the upper pegmatite is not known. The lower one is at least 70 feet in length and averaging about 3.0 feet thick."

A few small sales of mica were made, the value being $241.00, and the quantity 22 pounds.

The examiners and the Field Team recommend that a certification be made.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

RECEIVED
DEC 23 1955

Operator: C. B. Hensley
Betty's Creek mine no 5
DEMA no 3188 I DME 647
Jackson County, N.C.
Final report and sale record to
date of October 1-1955

1- Apparently there is a good reserve of mica
2. total production and sales
First sale August 1-1954
Gov. Dept. $80.64 Spruce pine, N.C.
Second sale February 30-1955
Gov. Dept. Spruce pine N.C. $159.89
Third sale Spruce pine, N.C. $65.80
3. Mica on hand around 200 lb Washer punch
4- In my opinion with proper cut and tunnel said mine would produce no-one mica. Last work done at mine in drift branch work 4 ft. deeper than existing tunnel for a distant of around 10 ft. With additional work, there would be a great significant income made.

Charlie B. Hensley

RECEIVED
DEC 21 1955
U. . . . . rvey
Geologic Division
Knoxville, Tenn.

RECEIVED
DEC 23 1955

Operator: C. B. Beasley, Betty's Creek Mine #3
DEMA No 3188 - IDME 647 Jackson County, N.C.
Final report and sale record to date
of October 1, 1955

1. Apparently there is a good reserve of mica
2. Total production and sales -
First sale August 1 - 1954
Gov. Dept. $80.64 Spruce pine N.C.
Second sale February 30th 1955
Gov. Dept. Spruce pine N.C. $159.89
Third sale Spruce pine N.C. $65.80
3. Mica on hand around 200 lb. Washer fund
4. In my opinion with proper cut and tunnel said mine would produce No1 mica. Last work done at mine in drift, French work 4 ft. deeper than existing tunnel for a distant of around 10 ft. With additional work there would be a great significant discovery made

Charlie B. Hensley

RECEIVED
DEC 21 1955
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

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

RECEIVED
DEC 23 1955

December 21, 1955

Memorandum

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

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

Subject: Operator's Final Report, DMEA-3188, Idm-E647 (Mica)
Charles B. Hensley, Sylva, North Carolina
Bettys Creek Mine No. 3, Jackson County, North Carolina

Enclosed are four copies of the subject report, received in this office today. As we anticipated, it does not add much to the information provided by the Field Team final report.

This is definitely a borderline case in regard to certification. Recommendation for certification was made in the final report because there is a small reserve of good quality mica which can be worked as a result of the DMEA project. In that sense, there is a discovery. It is probable that the cost of keeping the project on the books for 10 years will greatly exceed the royalties, but that could be said of many certified mica projects.

Mr. Hensley is not currently working the Bettys Creek No. 3 mine.

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

L. E. Shirley
L. E. Shirley for V. J. Lynch
Bureau of Mines

RECEIVED
DEC 23 1955

Operator: C. B. Hensley
Betty's Creek mine #3
DEMA no 3188 I DME 647
Jackson County N.C.
Final report and sale record
to date of October 1, 1955

1. Apparently there is a good reserve of mica
2. Total production and sales
First sale August 1-1954
Gov. Dept. $80.64 Spruce pine, N.C.
Second sale February 30-1955
Gov. Dept. Spruce pine, N.C. $159.89
Third sale Spruce pine N.C. $65.80
3. Mica on hand around 200 pounds of washer punch.
4. In my opinion with proper cut and tunnel said mine would produce no one mica last work done at mine in drift from work 4 ft. deeper than existing tunnel for a distant of around 10 ft. with additional work there would be a great significant discovery made.

Charlie B. Hensley

RECEIVED
DEC 21 1955
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

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

November 23, 1955

Mr. Charles B. Hensley

Sylva, North Carolina

Re: DMEA-3188, Idm-R647 (mica)
Bettys Creek No. 3 Mine
Jackson County, N. C.

Dear Mr. Hensley:

In order to complete our records on this contract, we need a final report from you, as provided in Article 5b of the contract.

Information needed includes the following:

1. Your estimate of the reserves

2. Total production and sales, during the contract period and to the present date.

3. Quantity of mica on hand for trimming

4. Your evaluation of the results of the contract; also your opinion as to whether a significant discovery was made.

Please send me this report (5 copies) at your earliest convenience.

Very truly yours,

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

RAL/mm
Opr. Cons.
Lynch
Shirley
Files

RECEIVED
NOV 25 1955

Docket Copy
Surname:
Houk
Selfridge
Johnson

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

600

NOV 1 5 1955

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

Subject: Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Betty's Creek No. 3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

Dear Mr. Laurence:

Reference is made to the Final Field Team Report and recommendations, and to the telephone conversation of November 16, 1955, on the subject contract.

The justification for certification in this case appears weak from the information on hand in this office. If, as a result of the exploration work, a significant discovery has been made, then we should certify. In this case the reserves found as a result of our work and those that can be inferred do not appear to justify certification. However, we shall certify but desire some information on the yield of pattern. The per ton value of rock moved in drifting appears to be less than $1.50. A study of the Operator's reports indicates the yield is very low and that the Operator has nine pounds of pattern on hand and an undisclosed amount of block.

We shall defer immediate certification pending receipt of additional information on yield and possibly more definite ore reserve estimate. May we suggest that the Operator's Final Report not be waived as this is the only opportunity we have to obtain the Operator's evaluation of the work results, ore reserve estimate, information on the total production, yield, and mica on hand for trimming.

Sincerely yours,

George G. Selfridge
by E57
Chairman, Operating Committee

Approved:

/s/ Robert W. Gooch
by E57
Member, Bureau of Mines

N. E. Nelson
by E57
Member, Geological Survey

LGHouk:gad 11/17/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

November 14, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3188 (mica)

Applicant: C. B. Hensley

Name and Location of Property: Bettys Creek Mine, Jackson Co., N. C.

Contract Number: Idm-E 647

Date of Field Team Report: 10/28/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/8/55

Field Team Recommendation: Recommend certification of discovery.

Comments:

1. Although estimated reserves cannot be determined from the project, it was proven that strategic mica does occur.

2. Mica was recovered during DMEA exploration.

3. Espenditures -

Total approved	$5,350.00
Total cost	5,350.00
Gov't. share of the cost	4,815.00
Value of production during operation	241.00

Recommendation: I concur with the recommendation of the field team for certification of discovery.

W. F. Dietrich

W. F. Dietrich

RECEIVED
NOV 14 1955

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

RECEIVED
NOV - 2 1955

October 31, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Final Report, DMEA-3188, Idm-E647 (mica) Charles B. Hensley, Sylva, N. C. Bettys Creek Mine No. 3, Jackson County, N.C.

Enclosed are four copies of the Field Team Final Report on the subject contract. We agree with the examiners' recommendation for certification.

We are waiving the requirement for the Operator's final geologic report, as we do not believe it would add any significant information which is not already in the monthly narratives.

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

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

11-7-55

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NOV - 2 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
FIELD TEAM, REGION V

On

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE NO.3

By

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

and

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

Reviewed by
DMEA GEOLOGIST
(date)

October 28, 1955

FINAL REPORT
On
DMEA-3188, Bettys Creek Mine No. 3 (mica)
Idm-E647

RECEIVED
NOV - 2 1955

Operator: Charles B. Hensley, Sylva, North Carolina

Location: On the headwaters of Betty Branch, about 12.5 miles by road southwest of Sylva, N. C.

All work provided for in the contract was completed. Although reserves of strategic mica developed by this project are small, sufficient evidence of the presence of mineable mica was shown to warrant certification. A few small sales of strategic mica were made from production during the life of the project. Additional exploration is not justified; it is recommended that a certification of discovery be issued.

This project began January 1, 1954 and was completed August 26, 1955. Exploration conducted consisted of constructing a toolhouse and two magazines, preparing portal site, reconditioning a caved 25-foot crosscutting level and an inclined adit; sinking a - 30° incline 50 feet on the pegmatite in an S. 80° W. direction, and driving a total of 80 feet of drift. The drifts were driven as follows: 9.5 feet in a S. 50° W. direction from the bottom of the incline, 29 feet in a N. 35° W. direction from a point 20 feet below the level on the entrace adit (measured from the incline), and 41.5 feet S. 20° E. from the incline (on the same level as the 29-foot drift.

Two pegmatites or two branches of the same one were explored by this project. Apparently the pegmatite forks at about the point where the new incline was begun.

The branch of the pegmatite explored by the incline and the 9.5-foot drift from it is up to 4 feet thick, averaging about 2.8 feet. It strikes from S. 85° E to N. 35° E. and dips southwest to northwest at about 50°. Only at the face in the drift does the pegmatite cut out entirely. This pegmatite is unzoned, contains much burr-rock, some plagioclase, quartz, and rather abundant mica. Most of the mica is relatively small and many of the books are ruled. The mica is of strategic quality.

The pegmatite explored from a point 20 feet below the entrace adit is from 2.5 to 4.5 feet in thickness, strikes from N. 35° W. to N 5° E. and dips from 50°-65° SW. Composition is similar to the other pegmatite although contained mica somewhat larger and not so severely ruled. This pegmatite appears to rake at about 20° to the northwest as evidenced in the face of the 29-foot northwest drift.

With the information available little concrete data can be supplied as to possible reserves at this deposit. The upper pegmatite contains an estimated 5 percent total mica and the lower one a slightly higher amount, but the amount of this which can be trimmed into strategic mica is not known.

Certainly the strategic mica will be mostly in small sizes. The strike length of the upper pegmatite is not known. The lower one is at least 70-feet in length and averaging about 3.0 feet thick.

Expenditures:

(a)	Total approved	$5350.00
(b)	Total cost of project	5350.00
(c)	Government's share of cost	4815.00
(d)	Government's share unexpended	none
(e)	Value of production (22 lbs)	241.00

This operation was not conducted efficiently. Much time was lost due to equipment breakdown and lack of labor. Furthermore, many suggestions made by the Field Examiners regarding the conduct of the project were ignored by the Operator.

No equipment was purchased for the project.

This project illustrates one of the advantages of the unit-cost contracts. Had this contract been on an actual cost basis, it would have probably cost at least three times the contract cost due to the inefficiency of the Operator.

October 28, 1955

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

and

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

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RECEIVED
SEP - 2 1955

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE NO. 3

OPERATOR: Charlie B. Hensley, Sylva, N. C.

LOCATION: On the headwaters of Bettys Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

All work as outlined under contract has been completed. No large amount of strategic mica was produced from this work, but due to exploration conducted, ample reserves for certification purposes can be estimated. A few small sales of processed mica were made to the GSA Mica Depot, Spruce Pine, N. C.

Exploration conducted at this mine, after reconditioning work of an existing incline was completed, consisted of sinking 50 feet of incline shaft on a 30° angle and driving 80 feet of level work from the incline bottom and at higher levels. The last drift work completed was to the southeast, and workable pegmatite can be inferred in this direction only.

Work completed was slow and inefficient. The operator stated on this visit that he will continue to operate the mine as long as pegmatite containing mica exists in the heading.

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

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

August 26, 1955

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, N. C.

LOCATION: On the headwaters of Bettys Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

Drifting continues on this contract and the present level has been extended to 35 feet. Drift work to date totals 78.5 feet, and the contract is nearing completion. The pegmatite is about 4.5 feet thick in the roof area and tapers to 2.5 feet in the floor. The body is rich in badly-ruled small sized mica. The operator was advised to continue drifting to the southeast for remaining footage.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

August 12, 1955

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AUG 12 1955

RECEIVED
AUG - 8 1955

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, N. C.

LOCATION: On the headwaters of Bettys Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

Drifting continues slowly on this contract, and an advance of 4 feet has been made in the past two weeks. The pegmatite material continues to be quartzitic, and the present face shows many small to medium-sized blocks of ruled mica. Drifting will continue to the southeast.

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

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

July 29, 1955

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

F. J. Kerrane

July 26, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 5 - Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Betty's Creek No. 3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

The Nonmetallic Minerals Division concurs in Amendment No. 5 to the subject contract as written and executed in the field. This amendment extends the completion date from July 14, 1955, as provided in Amendment No. 4, to September 14, 1955.

Amendment No. 5 is necessary because the Operator was unable to finish the project in the specified time and it is in the Government's interest to complete this exploration contract. The Operator has been slow. Several time extensions have been granted amounting to 13 months. Additional time for repayment of royalty has not been requested since it is expected the project will be completed within the time of the extended completion date and that in the case of this small project, new discoveries of mica would be mined out within the existing time for repayment of royalty.

Walter C. Anderson

Walter C. Anderson
Nonmetallic Minerals Division

RECEIVED
AUG 23 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

July 19, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA Field Team, Region V - Knoxville

Subject: Amendment No. 5. DMEA-3188, Idm-E647 (mica) Avery County, N.C. Charlie B. Hensley, Applicant. Bettys No. 3 Mine

Transmitted are three signed copies of the subject Amendment No.5. The usual distribution of the other copies has been made by this office.

Robert A. Laurence

Robert A. Laurence

RECEIVED
AUG 23 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

INTERIM REPORT

RECEIVED
JUL 25 1955

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, N. C.

LOCATION: On the headwaters of Bettys Branch, about 12.5 miles by road Southwest of Sylva, Jackson County, N. C.

Drifting continues slowly to the southeast on this contract, and is now at 31 feet. The body has narrowed and is now 2.5 feet thick, and is dipping 65° southwest. The pegmatite is rich in small mica, associated with quartz.

The operator was advised to provide a safer entrance from the top of the incline and scale the drift area overhead. Drifting will continue to the southeast.

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

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

July 11, 1955

RECEIVED
JUL - 8 1955

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE NO.3

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On the headwaters of Beey Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

Drifting continues to the southeast on this contract and now totals 30 feet in this direction. The pegmatite is about 3.4 feet thick in the present head. The mica exposed in the face is more abundant and of better quality than any seen previously in this mine.

The Operator was advised to continue to advance the drift to the southeast.

Date of Inspection: June 30, 1955.

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

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RECEIVED
JUN 23 1955

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE No. 3

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

Drifting continues on this contract to the southeast and now totals 23 feet. The pegmatite is about 3 feet thick in the present heading and continues to yield a small amount of ruled mica.

Date of Examination: June 13, 1955

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

L. E. Shirley and J. F. O'Neill, Mining Engineers
U. S. Bureau of Mines

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INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE No. 3

Defense Minerals Administration
RECEIVED
MAY 23 1955

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On the headwaters of Betty Creek, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

No work on the contract has been done since the last interim report, dated May 2, 1955, was submitted. The Operator has deepened the incline at his expense in order to facilitate handling of muck.

Date of Examination: May 16, 1955.

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

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Defense Minerals Administration
RECEIVED
MAY 1 3 1955

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE No.3

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

Drifting continues on this contract to the southeast and now totals 13 feet in this direction. The pegmatite is about 3 feet thick in the present heading and is composed of quartz, feldspar and ruby mica, much of which is still badly ruled.

The Operator was advised to deepen the incline and continue a drift to the southeast from the bottom. This will be an aid in handling the muck and should speed up this operation considerably. Progress on this contract is slow.

Inspected: May 2, 1955

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

K. H. Teague and D. H. Amos, Geologists
U. S. G. S.

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

April 25, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 4 - Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Betty's Creek No. 3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

The Nonmetallic Minerals Division concurs in Amendment No. 4 to the subject contract as written and executed in the field. This amendment extends the completion date from April 14, 1955, as provided in Amendment No. 3, to July 14, 1955.

Amendment No. 4 is necessary because the Operator was unable to finish the project in the specified time and it is in the Government's interest to complete this exploration contract.

Walter C. Anderson
Nonmetallic Minerals Division

RECEIVED
MAY 19 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
APR 25 1955

April 22, 1955

Memorandum

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

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

Subject: Time Extension Amendments: DMEA-3188, Idm-E647
DMEA-3422, Idm-E726
DMEA-3458, Idm-E736

Reference is made to your letter of April 20, concerning the subject contracts.

Time extension amendments for all three were prepared, signed, and sent to the Operators for signature on the following dates:

DMEA-3188 - April 13
DMEA-3422 - April 13
DMEA-3458 - April 5

So far, none of the amendments have been executed and returned. Mr. Teague is in North Carolina this week, and may bring some of the amendments back with him. As soon as we received the executed amendments, copies will be distributed as usual.

Robert A. Laurence

Robert A. Laurence

DOCKET FILE
Surname:
Anderson
Houk
Selfridge
Johnson

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

APR 20 1955

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

Dear Mr. Laurence:

We wish to call your attention to the following dockets the completion dates of which may require extension by amendment:

Docket	Contract	Completion date
DMEA-3188	Idm-E647	April 14, 1955
DMEA-3422	Idm-E726	April 1, 1955
DMEA-3458	Idm-E736	April 15, 1955

In those cases where this will be necessary and you approve, will you please furnish us copies of such amendments.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

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

Thor H. Kiilsgaard (THK)
Member, Geological Survey

WCAnderson:ad 4/19/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

P.S. In the case of DMEA-3188 we will prepare the time extension amendment in this office if you are in agreement.

R.A.L.

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE No. 3

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On the headwaters of Betty Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

Drifting continues slowly on this project and now totals 54-feet; the last 10.5 feet being driven in a S. 20° E. direction from the present level. The pegmatite exposed in this heading is about 2.5 feet thick. The amount of mica has increased somewhat but it is considerably ruled.

Drifting will continue to the southeast until another visit can be made by the field examiners.

Date of Examination: April 19, 1955.

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

and

V. J. Lynch, Mining Engineer
U. S. Bureau of Mines

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

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 21 1955

April 18, 1955

Memorandum

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

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

Subject: Amendment No. 4, on Idm-E647, DMEA-3188 (mica) Charlie B. Hensley Betty's Creek Mine No. 3, Jackson County, North Carolina

Transmitted are three signed copies of the subject amendment.

The usual distribution of the other copies has been made by this office.

Robert A. Laurence
Robert A. Laurence

RECEIVED
MAY 19 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE NO.3

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On the headwaters of Betty Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

Drifting continues to the southeast on this contract and about 5 feet of advance has been made during the past month. The Operator was advised to widen the drift area by slabbing, in order to have proper working room. A few blocks of good quality mica has been recovered from recent work.

Lawrence G. Houk and Thor H. Kiilsgaard accompanied the Examiners on this visit to the mine.

Inspected: March 31, 1955.

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

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

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INTERIM REPORT

DMEA-3188, Idm-E647- Bettys Creek Mine No. 3
(Mica)

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On the headwaters of Betty Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C.

Lowering of the drift floor continues at the Operator's expense and is nearing completion. The Operator was advised that sufficient depth had been obtained on the body, and as soon as more working width is obtained, drifting could begin to the southeast. A small amount of mica was obtained during sinking, and all work has been in pegmatite.

Mr. Robert A. Laurence, Executive Officer of DMEA, Region V, accompanied the examiners on this visit to the mine.

Visited: March 14, 1955

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

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

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INTERIM REPORT
On

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE NO.3

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty Branch, about 12.5 miles by road southwest of Sylva, Jakcson County, N. C.

No progress on the contract is reportable for the past two weeks. The Operator continues to lower the drift floor and about 4 feet in depth has been made since the last visit. All of the work is in pegmatite and no change in the material or attitude of the body was noted. Occasional small blocks of muscovite mica have beeh encountered during sinking.

The Operator was advised to scale down loose rock after shooting and to inspect timbers near the entrace after shooting. Progress on the contract is slow.

Inspected: Feb. 28, 1955.

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

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

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DEFENSE MINERALS EXPLORATION ADMINISTRATION

INTERIM REPORT

DMEA-3188, Idm-E647, BETTY'S CREEK MINE No.3 (mica)

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On the headwaters of Betty Branch, about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway No. 23 by road up Betty Branch.

Work continues at this mine but no drift progress is reportable for the past two weeks. Work accomplished since last Interim Report consists of benching the body, from the present level, an additional 4 to 6 feet indepth and pegmatite removal from wall to wall.

A small amount of mica is being recovered from this work. Drift advance will resume as soon as the work is completed.

Date of Report:

February 14, 1955.

K. H. Teague D. H. Amos

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

and

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

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INTERIM REPORT
on

DMEA-3188 - Betty's Creek No. 3 Mine
Idm-E 647 (mica)

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On headwater of Betty Branch about 12.5 miles by road southwest of Sylva, N. C. The mine is 2 miles west of U. S. Highway No. 23, by road up Betty's Creek.

No progress has been made on this contract since the last interim report, dated January 17, 1955, was submitted. Operations at the mine have been hampered by severe winter weather. The Operator is currently lowering the floor of the drift in order to cut a thicker portion of the pegmatite.

Date of examination: January 31, 1955.

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

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Defense Minerals Administration
RECEIVED
JAN 27 1955

INTERIM REPORT
ON

DMEA-3188 - Betty's Creek No. 3 Mine
Idm-E 647 (mica)

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On headwater of Betty Branch about 12.5 miles by road southwest of Sylva, N. C. The mine is 2 miles west of U. S. Highway No. 23, by road up Betty's Creek.

Drifting continues on this contract and now totals 38.5 feet. A total of 29 feet of advance has been completed in the present inclined drift to the northwest. The pegmatite pinches out upward in the roof of this lateral. The top of this "pinch-out" plunges about 20° to the northwest. The Operator was advised to lower the floor of the drift about 5 feet in order to cut a thicker portion of the pegmatite. No significant quantity of mica has been recovered from recent work.

Progress on this contract has improved somewhat recently.

Date of examination: January 17, 1955.

K. H. Teague D. H. Amos

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

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

January 4, 1955

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 3 - Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Betty's Creek No. 3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

The Nonmetallic Minerals Division concurs in Amendment No. 3 to the subject contract as written and executed in the field. This amendment extends the completion date from December 14, 1954, as provided in Amendment No. 2, to April 14, 1955.

Amendment No. 3 is necessary because of time lost due to inexperienced help and breakdown of equipment, and it is in the Government's interest to complete the project.

Walter C. Anderson
Walter C. Anderson
Nonmetallic Minerals Division

RECEIVED
JAN 11 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

INTERIM REPORT

DMEA-3188, Idm-E647, BETTY'S CREEK MINE NO. 3
(mica)

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway No. 23 by the road up Betty Branch.

Drifting continues on this contract and now totals 30.5 feet. 21 feet of drift has been completed in a N. 35° W. direction on the present drift level. The pegmatite appears, at this point, to be plunging about 20° northwest and dips steeply southwest. Small amounts of mica continue to be recovered with drift advance. The Operator was advised to concentrate efforts on moving more pegmatite by getting additional depth on the body.

Date of Examination:
January 3, 1955.

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

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

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

December 22, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII - Knoxville

Subject: Amendment No. 3 - on DMEA-3188, Idm-E 647 (mica)
Charlie B. Hensley, North Carolina

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

Robert A. Laurence

Robert A. Laurence

RECEIVED
JAN 11 1955
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Docket Copy
Surname:
Anderson

Lawrence G. Houk
Whitendorf

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

600

DEC 1 5 1954

Mr. Charlie B. Hensley

Sylva, North Carolina

Re: Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Betty's Creek #3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

Dear Mr. Hensley:

Reference is made to the narrative portion of your October, 1954, Monthly Operator's Report.

Please refer to Section (c) of Form MF-104 (Rev.). It is not enough to merely refer to the daily performance of drilling, blasting, and mucking without any detail. The narrative statement should be a concise description of progress made; including drilling and timbering advance, number and depth of drill holes per round, advance per round and amount of powder used. It should give the difficulties encountered, type of rock penetrated, amount of pegmatite in the face, and an estimate of the amount of mica produced.

It will be appreciated if you will follow the above suggestions as nearly as possible in your future reports.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

WCAnderson:gad 12/15/54
Copy to: Admr. R. File
Docket
Field Team, Region VII
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

DEPT. OF THE INTERIOR
Bureau of Mines Minerals Administration
RECEIVED
DEC 23 1954

INTERIM REPORT

DMEA-3188, BETTY'S CREEK NO. 3 Mine
Idm-E 647 (mica)

Operator: Charlie B. Hensley, Sylva, North Carolina

Location: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is 2 miles west of U. S. Highway No.23 by the road up Betty's Creek.

Drifting continues on this contract and now totals 22.5 feet. Work on the present drift from the new incline level now totals 13 feet. It is being driven in a N. 35° W. direction along a pegmatite which averages about 3.5 feet thick. The mica recovered in the last few feet of advance has improved in quality. Drifting will continue to the northwest.

Date of Examination:
December 13, 1954.

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

RECEIVED

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, North Carolina.

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway No. 23 by the road up Betty Branch.

Drifting continues on this contract and now totals 19 feet. Present drift work has been confined to drifting from the new incline level and 9.5 feet has been accomplished to the northwest. Material encountered is pegmatite composed of quartz, feldspar and muscovite mica. Mica recovery has improved considerably, but production is slight. Some of the mica is wavey and contains iron staining. The operator was advised to drive the drift on a level from the present bottom, deepening if necessary, rather than inclining the drift along strike. It was suggested that the hanging wall in the working area be scaled after shooting and that loose timbers be anchored securely.

L. E. Shirley

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

D. H. Amos

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

November 29, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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DEC - 2 1954

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, N. C.

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway No. 23 by the road up Betty Branch.

Work in the area near the point of first incline work has been tested sufficiently and at depth shows good pegmatite. The operator was advised to start a drift to the northwest. The pegmatite where first encountered strikes NW and dips SW. The contact at the point where work will begin strikes N 5° E and dips 43° SW. The body is composed of quartz, feldspar and small to medium sized blocks of ruby colored muscovite mica, some of which was clay stained and warped. Another visit will be made in the near future to see that the operator continues to drive in pegmatite.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

November 17, 1954

RECEIVED

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, North Carolina

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U.S. Highway #23 by the road up Betty Branch.

Drifting continues on this contract and is now at 9.5 feet in a S 50° W direction. The body has narrowed considerably and the operator was advised to discontinue drift work at the present location.

Drift work has progressed slowly to the southwest. The present face shows 2 narrow stringers of burr-like material 6 to 8 inches in thickness separated by biotite gneiss. Both stringers are composed of quartz and small scrap size mica. The examiners are of the opinion that no further work is justified in following this stringer material and advised the operator to concentrate efforts at a point 10 feet from the beginning point of the first incline work. After sufficiently testing this area with favorable results, drifting will continue.

L. E. Shirley

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

K. H. Teague / D. H. Amos

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

November 1, 1954

DEPARTMENT OF THE INTERIOR
Bureau of Mines

OCT 29 1954

INTERIM REPORT

DMEA-3188, Idm-E647 (mica) BETTYS CREEK MINE #3

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwater of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson Co., N. C. The mine is about 2 miles west of U. S. Highway No. 23 by road up Betty Branch.

Drifting continues on this contract and now totals 6 feet, all of which has been driven southwestward from the bottom of the incline. Recent work delays have been due in part to equipment breakdowns.

The pegmatite exposed in the level work is about 2.5 feet thick. It strikes northeast and dips to the northwest. Mica tends to be concentrated in a zone about one-half foot thick along the hanging wall but all recovered to date has been considerably ruled.

October 18, 1954

K. H. Teague D. H. Amos

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

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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 18 1954

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, N. C.

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway No. 23 by the road up Betty Branch.

Drifting continues slowly on this contract with only 4 feet of progress reportable for the past month. The operator states that labor, sickness and equipment difficulties have been overcome, and that he expects to make considerable progress during the current month.

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

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

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

October 4, 1954

Defense Minerals Administration
RECEIVED
OCT - 4 1954

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, N. C.

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U.S. Highway #23 by the road up Betty Branch.

No progress has been made on this contract since that reported in the interim report of September 6, 1954. No one was working at the mine on this date and the operator could not be contacted at his residence. Another examination will be made in the near future.

L. E. Shirley

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

H. H. Amos

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

September 20, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 16 1954

INTERIM REPORT

DMEA-3188, Idm-E 647, BETTY'S CREEK NO.3 MINE

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty's Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. This mine is about 2 miles west of Highway #23 by road up Bett's Branch.

Level work has begun on this contract. A drift has been driven along pegmatite for about 3 feet in a S. 50° W. direction.

The pegmatite in the present drift face is about 2.5 feet thick and it strikes N. 35° E. and dips 50° N. W. Only a very small quantity of mica, alloof which is badly ruled, was recovered from the drift.

The Operator was advised to continue to advance the drift to the southwest until another visit could be made by the field examiners.

Date of Exam: Sept. 6, 1954

K. H. Teague D. H. Amos

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

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INTERIM REPORT

DMEA-3188, Idm-E 647, BETTY'S CREEK No. 3-MINE

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty's Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. This mine is about 2 miles west of Highway 23 by road up Betty's Branch.

Incline sinking is now complete on this contract, 50 feet of new incline having been driven in a S 80° W. direction. The average inclination of the opening is about -30°.

An unzoned pegmatite whose attitude is highly irregular and which varies rapidly in short distances is exposed in the incline. It averages about 2.5 feet thick and has a maximum thickness of 5 feet.

The Operator was advised to begin a drift southward along the pegmatite from the bottom of the incline.

Examined: Aug. 23, 1954

R. A. Laurence Dewey H. Amos

Robert A. Laurence & Dewey H. Amos, Geologists
U. S. Geological Survey

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

August 23, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 2 - Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Betty's Creek #3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

The Nonmetallic Minerals Division concurs in Amendment No. 2 to the subject contract as written and executed in the field. The date for completion of the contract has been extended from December 14, 1953, to December 14, 1954. The time extension is justified as the operator required more time to complete the rehabilitation phase and work on sinking has progressed slowly, approximately 89 working days to complete 50' of incline. It appears that the rehabilitation phase as conducted by the operator was somewhat different than anticipated by this office but accomplished the purpose of egress. The operator assumed the additional cost.

Walter C. Anderson

Walter C. Anderson
Nonmetallic Minerals Division

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

August 16, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: Amendment No. 2, on DMEA-3188, Idm-E647, C. B. Hensley, Applicant

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

Robert A. Laurence

Robert A. Laurence

RECEIVED
SEP - 2 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

INTERIM REPORT
ON
DMEA-3188, Idm-E647, BETTYS' CREEK #3 Mine

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Bettys Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of Highway 23 by road up Bettys Branch.

Incline sinking continues on this contract and now totals 48 feet. Sinking will continue to the 50-foot level, from which point a drift will be turned off.

The attitude of the pegmatite changes between the 44-foot and the 48-foot level from N. 85° W. 65° NE to N. 60° E. 65° NW. A small quantity of mica has been obtained from recent work.

Progress on this contract is slow.

Exam. date: August 9, 1954

K.H. Teague D.H. Amos

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

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INTERIM REPORT
On
BETTY'S CREEK No. 3 MINE- DMEA-3188, Idm-E 647
(mica)

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of Highway 23 by the road up Betty Branch.

Incline sinking continues on this contract and is now at 44 feet. Some mica has been recovered from recent work. Sinking will continue to 50 feet.

A conformable pegmatite about 3.5 feet thick is exposed in the face of the incline. It strikes N. 85° W. and dips 65° NE. Considerable mica of strategic quality, though small in size and badly curved, is concentrated along the footwall of the pegmatite.

A recent sale of 11 pounds of sheet mica to the GSA Depot amounted to $80.64. The chief defect was the curved character of the mica.

Date of Exam: July 26, 1954.

D. H. Amos

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

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INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, North Carolina.

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway #23 by the road up Betty Branch.

Incline sinking continues slowly on this contract and is now at 40 feet. Ten feet of incline remains to be sunk under contract.

No appreciable changes were noted in the material encountered since the last visit was made. Pegmatite is exposed in the bottom and along the hanging wall area, with 4 feet maximum observed. The operator estimates 10 to 15 pounds of small block recovery after each shot. Some of the mica is ruled, but no stain was noticed. Sinking will continue.

L. E. Shirley

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

K. H. Teague + D. H. Amos

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

July 12, 1954

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, North Carolina

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway No. 23 by the road up Betty Branch.

Incline sinking continues on this contract and is now at 36.5 feet. Some small mica has been recovered from recent work. No change is anticipated in the target and sinking will continue. 13.5 feet of incline remains to be sunk.

Material encountered consists of pegmatite on the hanging wall and biotite gneiss, partially weathered, in the footwall. The small blocks of mica recovered is of good quality and ruby colored. The operator has completed a 6-foot test hole in the footwall at a point about 20 feet from the beginning point of the incline, without encountering pegmatite.

L. E. Shirley
M. R.

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

K. H. Teague

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

June 28, 1954

INTERIM REPORT

DMEM-3188, Idn-E 647, BETTY'S CREEK MINE No. 3
(mica)

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty's Branch about 12.5 miles by road southwest of Sylva, Jackson County, N.C. The mine is about 2 miles west of U. S. Highway 23 by the road up Betty's Creek.

Incline sinking continues slowly on this contract and is now at 34 feet. Average slope of the incline is -33°.

A pegmatite at least 3 feet thick is partially exposed in the bottom of the incline. It strikes N. 60° W. and dips about 45° to the southwest. Occasional books of strategic mica are scattered throughout the pegmatite.

The Operator was again advised to drill test holes in the floor of the incline about 20 feet from its beginning to determine the possible presence of pegmatite at this point.

Date of exam: June 14, 1954

K. H. Teague D. H. Amos

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

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INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, North Carolina.

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway No. 23 by the road up Betty Branch.

Incline sinking continues on this contract and is now at 31.5 feet. Sinking will continue in the future and no changes in the target is anticipated.

The incline has lessened in degree in the last 11.5 feet. Pegmatite material has been picked up again in the hanging wall area and followed. The operator was again advised to drill test holes in the footwall area at a point about 20 feet from the beginning, to ascertain the presence of pegmatite at this point.

The operator was advised to keep the hanging wall in particular barred down. Progress on this contract is slow.

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

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

May 31, 1954

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, North Carolina

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway No. 23 by the road up Betty Branch.

Incline winze sinking continues slowly on this contract and is now at 22.5 feet. Most of the hanging wall area shows pegmatite and the foot wall is in biotite gneiss. Instructions were given for making short test holes into both walls before attempting further sinking.

The operator has fully completed all necessary timber work. Muck is being removed from the incline bottom by hand winch and trammed by car to the dump. Necessary equipment is on the job.

L. E. Shirley

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

D. H. Amos

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

May 17, 1954

INTERIM REPORT
ON
DMEA-3188, Idm-E647 (mica) BETTY'S CREEK MINE No.3

Operator: Charlie B. Hensley, Sylva, N. C.

Location: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west.

Incline winze sinking continues on this contract and is now at 21 feet. Material encountered consists of pegmatite and pegmatitic biotite gneiss. A few small mica books of stockpile grade have been recovered during recent work. No change in target is anticipated and sinking will continue to a depth of 50 feet.

Dewey H. Amos

Dewey H. Amos, Geologist

U. S. Geological Survey

Exam:
May 6, 1954.

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INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, North Carolina

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway #23 by the road up Betty Branch.

Incline winze sinking continues on this contract and is now at 16.5 feet. An undetermined amount of muck in the bottom would increase the depth slightly. No changes in the target are anticipated and sinking will continue to a total depth of 50 feet. The material encountered has not changed appreciably from that last reported. The operator states that an air compressor will be moved to the site within the coming week. Timber requirements have been completed.

L. E. Shirley

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

K. H. Teague - D. H. Amos

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

April 5, 1954

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hensley, Sylva, N. C.

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway #23 by the road up Betty Branch.

Incline winze sinking continues on this contract and is now at 15 feet. The installation of a hoist is anticipated in the near future, which should speed up progress on this project.

Recent work has been confined to timbering and sinking. Pegmatite material could be observed on the hanging wall, but the bottom could not be examined because of muck. Occasional small blocks of mica are recovered during sinking. The country rock is a weathered biotite gneiss. Thirty-five feet of winze remains to be sunk under contract. Progress is satisfactory.

L. E. Shirley

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

K. H. Teague Dewey H. Amos

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

March 22, 1954

INTERIM REPORT

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE #3

OPERATOR: Charlie B. Hansley, Sylva, North Carolina.

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway #23 by the road up Betty Branch.

Incline winze sinking continues on this contract and is now at 10 feet. Much of the time has been spent in adequately timbering the overhead at the sinking area and bulk heading previous drifts containing muck on the sides of the winze. Heavy round timbers have been used throughout and all work completed is in good shape.

Material encountered consists of pegmatite, but loose muck in the bottom prevents an accurate description. Some small blocks of mica have been recovered from the muck. Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

March 8, 1954

INTERIM REPORT

... Defense Materials
... Administration
... 10 1954

DMEA-3188 Idm-E647 (mica) BETTYS CREEK MINE

OPERATOR: Charlie B. Hensley, Sylva, North Carolina

LOCATION: On the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, N. C. The mine is about 2 miles west of U. S. Highway #23 by the road up Betty Branch.

Starting date on this contract is January 1, 1954. Portal preparation and rehabilitation of an existing incline has been completed. Incline winze sinking has begun and is now at 6½ feet. Rehabilitation consisted of taking the original incline down to a level at the portal, benching an open cut from portal to dump, reconditioning the adit section, laying track and setting timbers for a distance of 15 feet outside the adit to the present winze location. A mine car for handling muck was in the process of construction. A small tool house, 10' x 10', and suitable powder and cap magazines have been constructed. Material encountered in winze sinking has consisted of muck and some pegmatite on the hanging wall. Most of the pegmatite on the adit level has been worked out previously and short drifts have been driven in both directions along the strike. Evidence of much "ground hogging" exists overhead, and in the drifts. It is estimated that the rehabilitation program carried out by this operator cost at least twice the amount alloted. Progress on this contract has been satisfactory.

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

L. E. Shirley

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

K. H. Teague, D. H. Amos

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

February 23, 1954

FILE COPY
surname:
Anderson

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

January 29, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Betty's Creek #3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

The purpose of this amendment is to correct the name of the mine from "Bay Betty's Creek #3 Mine" to "Betty's Creek #3 Mine." The word "Bay" was inserted through a typographical error in the application.

The Nonmetallic Minerals Division concurs in the amendment as written and executed by the Executive Officer, DMEA Field Team, Region VII.

/s/
W. C. Anderson
Nonmetallic Minerals Division

WCAnderson:ag 1/30/54

Copy to: Admr. R. File
Docket File
Mr. Houk

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

January 29, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Betty's Creek #3 Mine
Jackson County, North Carolina
Contract No. Idm-E647

The purpose of this amendment is to correct the name of the mine from "Bay Betty's Creek #3 Mine" to "Betty's Creek #3 Mine." The word "Bay" was inserted through a typographical error in the application.

The Nonmetallic Minerals Division concurs in the amendment as written and executed by the Executive Officer, DMEA Field Team, Region VII.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

Candler E.P.

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 18 1954

January 15, 1954

Memorandum

To: Chairman, Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region 7

Subject: Amendment No. 1. DMEA-3188, Idm-E 647. Charlie B. Hensley (mica)

Please refer to our memo of January 7, 1954.

Original copy of the above subject Amendment is enclosed for your files.

Robert A. Laurence

Robert A. Laurence

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

January 7, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region 7

Subject: Signed contracts, Charlie B. Hensley, Sylva, N. C.
DMEA-3188 (mica) Contract Idm-E 647

Transmitted herewith are the Government's, Division and Docket copies of the subject contract together with the Division, and Docket copies of Amendment No. 1 to the contract. The Operator failed to return the original of the amendment and we have written him requesting it. Upon its receipt we will forward it to you.

We have retained our copy of the contract and amendment and have sent the Finance office theirs.

Wm. A. Beck

Wm. A. Beck

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

January 7, 1954

Mr. Charlie B. Hensley

Sylva, North Carolina

Re: Docket DMEA-3188 (mica)
Contract Idm-E 647

Dear Mr. Hensley:

This will acknowledge receipt of the original and four copies of the subject Exploration Project Contract signed by you.

In our letter of December 28, 1953 we enclosed your copy of Amendment No. 1 to the contract and requested that you return the original, which you have in your possession, to this office. This you failed to do. Please send us the original at once so that we may attach it to the Governments copy of the contract.

Very truly yours,

Wm. A. Beck, Acting
Executive Officer, DMEA
Region 7

WAB/xm
cc:
Opr. Com.
Beck
Lynch
Laurence

General Records Administration
RECEIVED
JAN - 8 1954

D M E A

Referred Dockets on Hand December 31, 1953

DMEA-3215 (mica) Tralyta Mining Co., Blairsville, Georgia.

Referred request received December 28. Will be examined in January.

The following contracts, signed by the Administrator, have been forwarded to Operators for signature, but have not been returned to this office by December 31, 1953:

DMEA Number	Idm-E No.	Operator	Date Sent
3041	E-634	Robt. K. Andre'	December 16
3157	E-646	Cook Mining Co. Inc.	December 16
3188	E-647	Charlie Hensley	December 16

140

FILE COPY
SURNAME:

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

December 4, 1953

Memorandum

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

From: Chief Counsel

Subject: Charles B. Hensley, Docket No. DMEA-3166 (Mica)

Attached in satisfactory legal form for execution is a contract covering the above-described project.

The land referred to in Article 2 of the contract form is set forth by metes and bounds in Annex II and is there called the "Bay Betty's Creek No. 3 Mine." The Owner's Consent to Lien merely describes the property as "Betty's Creek No. 3." I think this sufficient but, if possible, it would be advisable to have the owners agree to allow the land to be described in the Owner's Consent-to-Lien form as "Bay Betty's Creek No. 3 Mine, to conform with the contract wording.

Albert E. Kane

J. L. Hofflund
Chief Counsel

Attachments

AEKane:ep

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

FILE COPY
SURNAME:

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

DEC 14 1953

Anderson
Houk
Rubin
Oakes
Chandler
Johnson

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

Subject: Docket No. DMEA-3188 - Mica
Charlie B. Hensley
Bay Betty's Creek #3 Mine
Jackson County, North Carolina

Dear Mr. Laurence:

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

Please note the contract follows the Field Team's description of shaft. There is no information concerning timbering. Is it correct to assume that the shaft will be timbered? Please make any necessary alterations of the contract.

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

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

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

Sincerely yours,

Ernest Wm. Ellis
by ESF
ACTING Chairman, Operating Committee

WCAnderson:gad 12/8/53

Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

Approved:

J. H. Hedges by ESF
Member, Bureau of Mines

T. P. Thayer by ESF
Member, Geological Survey

Enclosures 11

P.S. Please note enclosed memorandum from Chief Counsel.

R.C.S. 12-14-53

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

December 4, 1953

Memorandum

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

From: Chief Counsel

Subject: Charles B. Hensley, Docket No. DMEA-3188 (Mica)

Attached in satisfactory legal form for execution is a contract covering the above-described project.

The land referred to in Article 2 of the contract form is set forth by metes and bounds in Annex II and is there called the "Bay Betty's Creek No. 3 Mine." The Owner's Consent to Lien merely describes the property as "Betty's Creek No. 3." I think this sufficient but, if possible, it would be advisable to have the owners agree to allow the land to be described in the Owner's Consent-to-Lien form as "Bay Betty's Creek No. 3 Mine," to conform with the contract wording.

for J. L. Hofflund
Chief Counsel

Attachments

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

Defense Minerals Administration
RECEIVED
DEC 3 1953

December 3, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3188, Mica

Applicant: C. B. Hensley
Name and Location of Property: Bay Betty's Creek Mine No. 3, Jackson County, North Carolina
Date of Field Team Report: November 4, 1953
Date Received by Ceramic & Fertilizer Materials Branch: November 30, 1953
Field Team Recommendation:

1. Recondition existing incline.
2. Explore deposit by a 50 foot incline and 80 foot drift.
3. Total estimated cost - $5,350.

Comments:

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

Recommendation:

I concur in the field team's recommendation for an exploration program in the amount of $5,350.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 16 1953

November 13, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3188 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Charlie B. Hensley, Sylva, North Carolina.
Name of property: Bay Betty's Creek No. 3 Mine.
Location of property: 12.5 miles (road) southwest of Sylva, North Carolina.
Date of field team report: November 4, 1953.
Authorship of field team report: K. H. Teague and L. E. Shirley.
Field team's recommendation:

Clean out, etc., 15' incline.
50' incline in pegmatite.
80' drift on pegmatite.

Comments:

Since all the work will be in pegmatite, the above estimated lengths of workings might be changed at any time, depending upon the geology. Should it be set up in stages to provide for such possible changes, should they prove desirable?

ACTION SUGGESTED:

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

RECEIVED
NOV 12 1953

November 9, 1953

Memorandum

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

From: Field Team, Region VII

Subject: DMEA-3188, Bay Betty's Creek Mine No. 3 (mica)
Field Examination Report

Enclosed herewith are the original and three copies of the field examination report on the subject application, with 6 extra copies of the map.

The Field Team agrees with the examiners' opinion that the property merits exploration, and recommends that the examiners' proposal be accepted in place of the applicant's original proposal.

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

ON

DMEA-3188, Bay BETTY'S CREEK MINE No. 3
(mica)
Jackson County, North Carolina

By

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

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

November 4, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1953

Field Examination Report
on
Docket No-DMEA-3188, Bay Betty's Creek No. 3 Mine
(mica)

Applicant: Charlie B. Hensley, Sylva, North Carolina

Only a limited amount of work has been conducted on this deposit. Mica is of good quality and there is a possibility that additional mica of strategic grade will be found. The examiners recommend that exploration assistance be granted.

This deposit was examined on October 29, 1953. Mr. Charlie B. Hensley accompanied the examiners on the inspection which required three hours.

The Bay Betty's Creek No. 3 Mine is on the headwaters of Betty Branch about 12.5 miles by road southwest of Sylva, Jackson County, North Carolina. The mine is about two miles west of U. S. Highway No. 23 by the road up Betty Branch. Access is possible at all times by jeep.

The applicant has had previous mica mining experience, and appears capable of conducting the proposed exploration. He holds the property by lease. Necessary "Owner's Consent to Lien" forms were given to him with the instructions that as soon as they were executed that they be forwarded to Washington. Area covered by the applicant's lease is adequate for the proposed project.

No access road is necessary for the proposed project. There are no buildings at the deposit, although required storage facilities are available at the applicant's camp which is about one-half mile north of the deposit.

Workings consist of an bench cut about 100 feet long, from which a short incline (15 ft.) has been sunk. It is reported that a 40-foot drift extends about S 20° E on the pegmatite from the incline. Both the incline and drift are now caved, thus inaccessible. About 50 feet N. 20° W of the end of the cut and 80 feet lower, the applicant has recently begun driving an adit parallel to the apparent trend of the pegmatite. This adit is now 35 feet long and is in weathered biotite gneiss.

The pegmatite is enclosed conformable by biotite gneiss. It strikes N. 20° W., dipping 45-60° SW. From the limited exposures and information available, it appears that the pegmatite is rather lenticular in shape, thinning and swelling on both strike and dip. No distinct quartz core is present, although several quartz pods up to six inches were noted. The pegmatite is medium coarse in texture, being composed of quartz, plagioclase feldspar, and muscovite, listed in order of abundance.

The mica appears to be localized, mainly in the vicinity of the quartz pods. It is hard, clear, flat, splits well, and is ruby colored. Some of it is severely rulled. It appears that pattern mica of strategic grade may be obtained from this deposit.

Production from the past limited mining on this deposit is unknown. According to the applicant, several thousand dollars worth of mica from the deposit was sold to the Colonial Mica Corporation during World War II. No records of any sales are shown in the Colonial Mica Corp., microfilm records.

The field examiners do not believe that the applicant's proposal for exploration is sound. First of all it assumes that the pegmatite extends to a depth of about 80 feet. Insufficient data are available to justify this assumption. Also to extend the 35-foot adit to the probable point of intersection would involve driving more than 150 feet of new adit, which is rather expensive. We believe that the most satisfactory method to use in exploring the deposit is to clean out the portal and rehabilitate the existing 15-foot incline, then extend it 50 additional feet on the pegmatite. After the incline is completed, not more than 80 feet of laterals should be driven on the pegmatite.

Estimated Cost:

Clean out and prepare portal site and recondition 15 feet of existing incline.....	$ 300.00
50 feet, 5' x 7' incline @ $45/ft.	2250.00
80 feet, 5' x 7' drift @ $35/ft.	2800.00
Estimated Total Cost.....	$5,350.00

Estimated time required - 6 months

Nov. 4, 1953

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

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

zm

FILE COPY
SURNAME:

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

600

Anderson
Houk
Hodges
Selfridge

OCT 23 1953

Mr. Charlie B. Hensley

Sylva, North Carolina

Re: Docket No. DMEA-3188 - Mica
Bay Betty's Creek #3 Mine
Jackson County, North Carolina

Dear Mr. Hensley:

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

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

Sincerely yours,

Frank E. Johnson

ACTING Administrator

WCAnderson:gad 10/22/53
Copy to: Admr. R. File
Docket File
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.H.
10-23-53

FILE COPY
SURNAME:

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

Anderson
Houk
Selfridge
Johnson

OCT 23 1953

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

Subject: Docket No. DMEA-3186 - Mica
Charlie B. Hensley
Bay Betty's Creek #3 Mine
Jackson County, North Carolina

Dear Mr. Laurence:

Please review the subject application and arrange for a field examination if you deem it advisable. The application lacks copies of Owner's Consent to Lien. Please forward the applicant the required number of forms for execution and return to this office.

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

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (WB)

Approved:

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

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

Enclosures 4

WCAnderson:gad 10/22/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.G. 10-23-53

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

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 20 1953

October 19, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Acting Chief, Ceramic and Fertilizer Materials Branch.

Subject: DMEA-3188, Mica, Bay Betty's Creek #3 Mine,
C. B. Hensley, Jackson County, North Carolina.

No data are available in this office on subject mine. Careful study of the applicant's information indicates to me that more detailed information, with reference to a plan of proposed exploration, is needed.

Donald R Irving

Donald R. Irving

IN REPLY REFER TO:

G-MD-CNM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 13 1953

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

October 13, 1953

Memorandum

REVIEW OF APPLICATION DMEA-3188 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: Donald A. Brobst, U. S. Geological Survey
Applicant: Charlie B. Hensley.
Name of property: Betty's Creek #3.
Location of property: 11.5 miles west of Sylva - 10 miles southwest on U. S. Route 23 to Betty's Creek Road, 1.5 miles northwest to operation, Jackson County, North Carolina.
Estimated cost of project: $3,720.00.
Summary of applicant's proposal:

Stage I -	Rehabilitate old 20-ft. tunnel	$120.00
	Supervision, supplies and hand tools for above	100.00
Stage II-	Extend tunnel 100 ft. at $35/ft.	$3,500.00
		$3,720.00

Sources of information on applicant's property:
Betty's Creek Mica Mine, Jackson County, North Carolina, by J. C. Olson, June 1944 (open file report with map 11305 of September 1944).

The applicant has operated this mine previously.

Comments:
1. Report says quality of mica is good.
2. Thickest pegs seem best bet because mica is disseminated. Thickest and richest body plunges 60° to 70° southeast, so mining should be set to follow the probable extension of this plunge.
3. Olson says the long range view is not particularly promising, but that prospecting pegmatites on the property can be worthwhile.
4. Because of the Olson report, the applicant's plan may not be the best one.

RECOMMENDATION:
Refer to field team for examination of the property.

Donald A. Brobst
Donald A. Brobst

Mr. Charlie B. Hensley
Sylva, North Carolina

October 12, 1953

Subject: DMEA-3188
Re:Exploration Assistance
Betty's Creek #3

Dear Mr. Hensley;

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-3188 and referred to the Nonmetallic Minerals Division.

Kindly refer to DMEA-3188 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

~~Copy of application enclosed~~

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1085.2.

RECEIVED

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

Not to be filled in by applicant

Docket No. DMEA-3188
Metal or Mineral
Date Received 10-12-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

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

(*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

(*b*) State any mine name by which the property is known.

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

(*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 the mineral or minerals for which you wi[redacted] explore .....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated Oct 9 1, 195[illegible]

(Applicant)

By Charlie B. Hensley

Sylva N C

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

[illegible]

4. (a) Thereby that tunnel has been dug under my supervision. Tunnel is approximately 12 miles east of Sylva, via following route: from Sylva on route 23 southeast 13 miles to Betty's Creek Road, Northwest approximately 1½ miles to proposed operation.

(b) Lone - new mine

(c) Ruby Mica vein deposits, alignmentation exposed.

(d) See (a);

(e) Men, materials, act. readily available, branch within 75 feet and log road within [illegible] feet of proposed project.

5. (b) Sketch of property for proposed work attached.

(d) The applicant has had experience in Mica mining for twelve years and expects to supervise the operation.

6. (a) b) Description of work:

First stage - this tunnel has been partially started, however, the additional work for preparation will take three men five, eight hour shifts 120.00
Supervision, supplies, and hand tools 100.00

Second stage - Proposed tunnel to be 1[illegible] feet at 35.00 per foot 3,500.00

3,720.00

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 12 1953

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

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

Not to be filled in by applicant

Docket No. DMEA-3188
Metal or Mineral
Date Received 10-12-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: CHARLIE B. HENSLEY, SYLVA, N. C.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract See Lease attached

(*b*) State any mine name by which the property is known. Bay Betty's Creek #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*) State the mineral or minerals for which you will explore Mica

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

(*c*) The work will start within 60 days and be completed within 6 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. None

(*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. None

(*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. None

(*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. None

(*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)? Yes

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

☐ Money ☐ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated _____, 195__

(Applicant)

By Charles B. Hensley

Sylva NC

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

APPENDIX TO APPLICATION

4. (a) Twenty-foot tunnel has been dug under my supervision. Tunnel is approximately 11½ miles west of Sylva, via following route: from Sylva on route 23 Southwest 10 miles to Betty's Creek Road, Northwest approximately 1½ miles to proposed operation.

(b) None - new mine

(c) Ruby Mica vein deposits, pigmentation exposed.

(d) See (a);

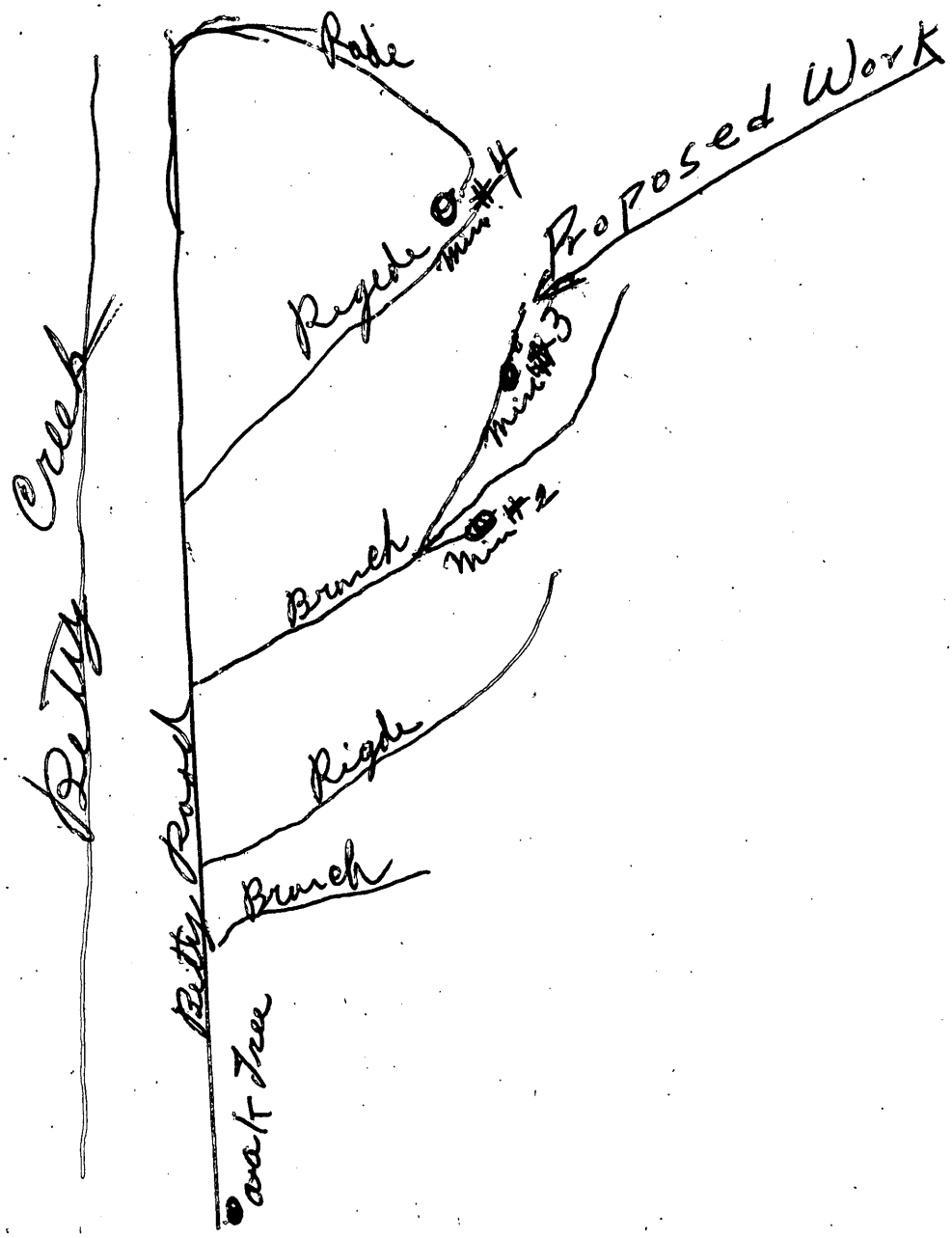
(e) Men, materials, ect. readily available; branch within 75 feet and log road within 400 feet of proposed project.

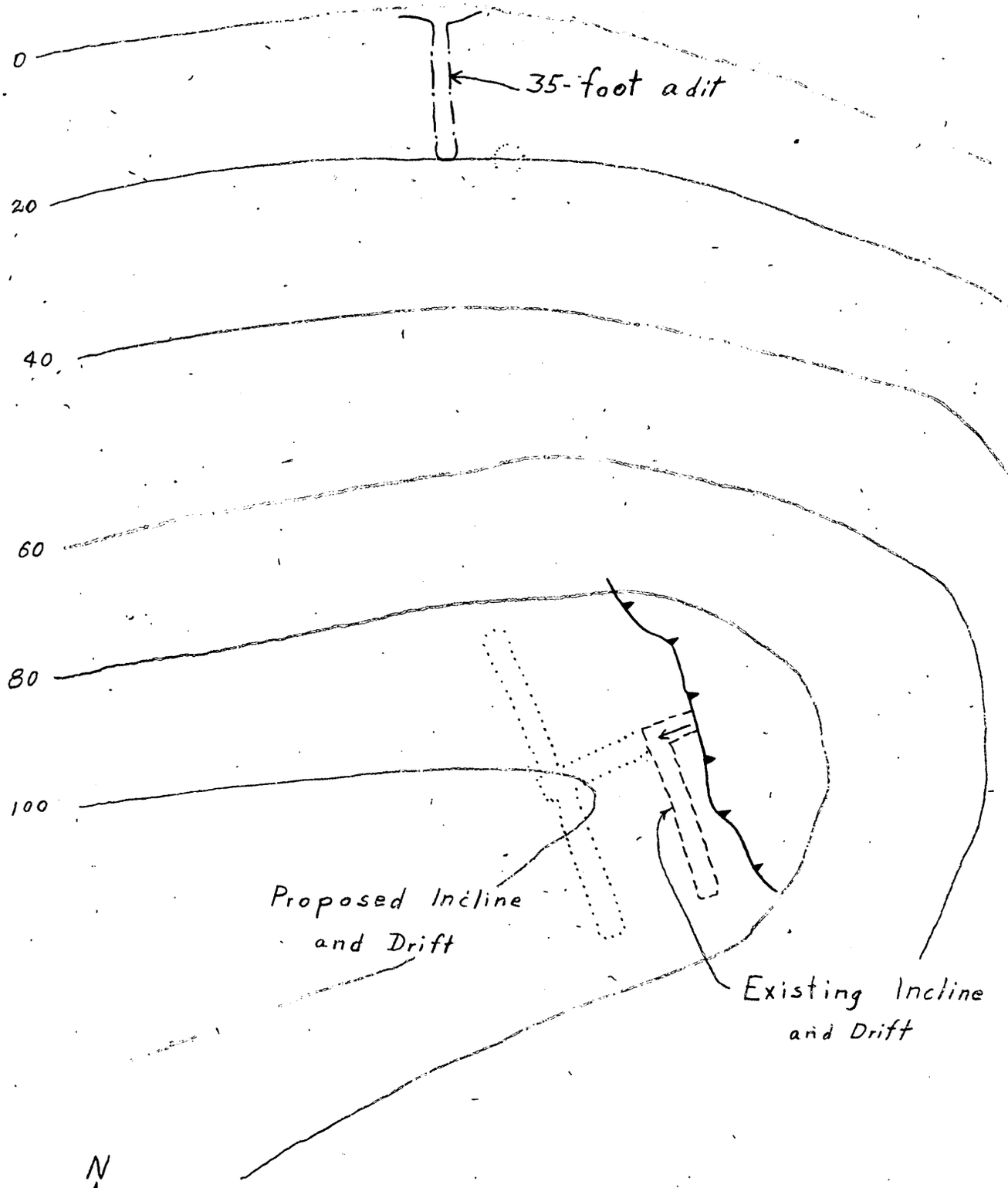
5. (b) Sketch of property for proposed work attached.

(d) The applicant has had experience in Mica minning for twelve years and expects to supervise the operations.

6. (a& b) Discription of work:

First stage - this tunnel has been partically started, however, the additional work for preperation will take three men five, eight hour shifts	120.00
Supervision, supplies, and hand tools	100.00
Second stage - Proposed tunnel to be 100 feet at $35.00 per foot	3,500.00
	$3,720.00


Rade
Proposed Work
Right
Min #4
Min #3
Min #2
Branch
Right
Branch
Betty Creek
Oak Tree



Sketch of
Bay Betty's Creek No. 3 Mine
Jackson Co., N.C.

0 40' 80'
Scale

DMEA - 3188 (mica)

NORTH CAROLINA,
JACKSON COUNTY.

THIS MINING LEASE made this the 26 day of September, A. D., 1953, by PAUL WARREN and wife, RUTH WARREN, of Jackson County, North Carolina, parties of the first part, to CHARLIE B. HENSLEY, of Jackson County, North Carolina, party of the second part:

WITNESSETH, that said parties of the first part, for and in consideration of the sum of One ($1.00) Dollar to them in hand paid by said party of the second part, and in further consideration of the stipulations and agreements hereinafter set forth to be performed by said party of the second part, have bargained and leased, and by these presents do grant, bargain and lease to said party of the second part, his heirs and assigns, for the purposes and term of years hereinafter set forth, the following described tract of land, in Savannah Township, Jackson County, North Carolina:

> BEGINNING on an oak tree on the side of the private road through the farm of the parties of the first part, which tree stands fifty feet from Betty's Creek, and runs thence up said private road in a South direction 3000 feet to a stake at the edge of said road; thence in a West direction 3000 feet to a hickory tree; thence in a North direction 3000 feet to a stake; thence in an East direction 3000 feet to the BEGINNING.

The term of this lease is for five years from the date hereof and all rights granted hereunder, unless sooner terminated, shall cease and be at an end on September 26, 1958.

Said party of the second part is hereby granted the right to enter upon said land and prospect for, dig, mine and remove mica therefrom. Said party of the second part shall have the right to construct such roads and do any and all other things that may be necessary in the successful mining and removing of mica from

said land during said lease period of five years.

Said party of the second part agrees to pay to said parties of the first part ten (10) percent of the sales price of all mica mined and removed from said land, as royalty thereon, and agrees to make said royalty payments on or before the 15 day of each month for all mica removed and sold from said land during the preceeding month. Said party of the second part agrees to furnish to said parties of the first part a complete statement of all mica mined and removed from said land with a statement of the price received therefor.

Should said party of the second part fail for a continuous period of six months to conduct mining operations on said land said parties of the first part shall have the right to declare this lease null and void and take immediate posession of said leased premises.

Said party of the second part shall have the right to erect buildings and install machinery on said land and use said land for dumping refuse from any mica mine operated thereon. Said party of the second part shall have the right to remove any machinery or buildings placed on said land by him in said mining operations.

IN WITNESS WHEREOF, said parties, both the parties of the first part and the party of the second part have hereunto set their hands and seals, this the day and year first above written.

Paul Warren (SEAL)
Ruth Warren (SEAL)
Parties of the First Part.
Charlie B. Hensley (SEAL)
Party of the Second Part.

NORTH CAROLINA,
JACKSON COUNTY.

I, W. D. Warren, a Notary Public of Jackson County, North Carolina, do hereby certify that Paul Warren and wife, Ruth Warren and Charlie B. Hensley, each personally appeared before me this day and acknowledged the due execution of the foregoing mining lease for the purposes therein expressed.

WITNESS my hand and Notarial Seal, this the 28 day of September, A. D., 1953.

W. D. Warren
Notary Public.

My Commission Expires:

My Commission Expires May 31st, 1955

STATE OF NORTH CAROLINA
JACKSON COUNTY }

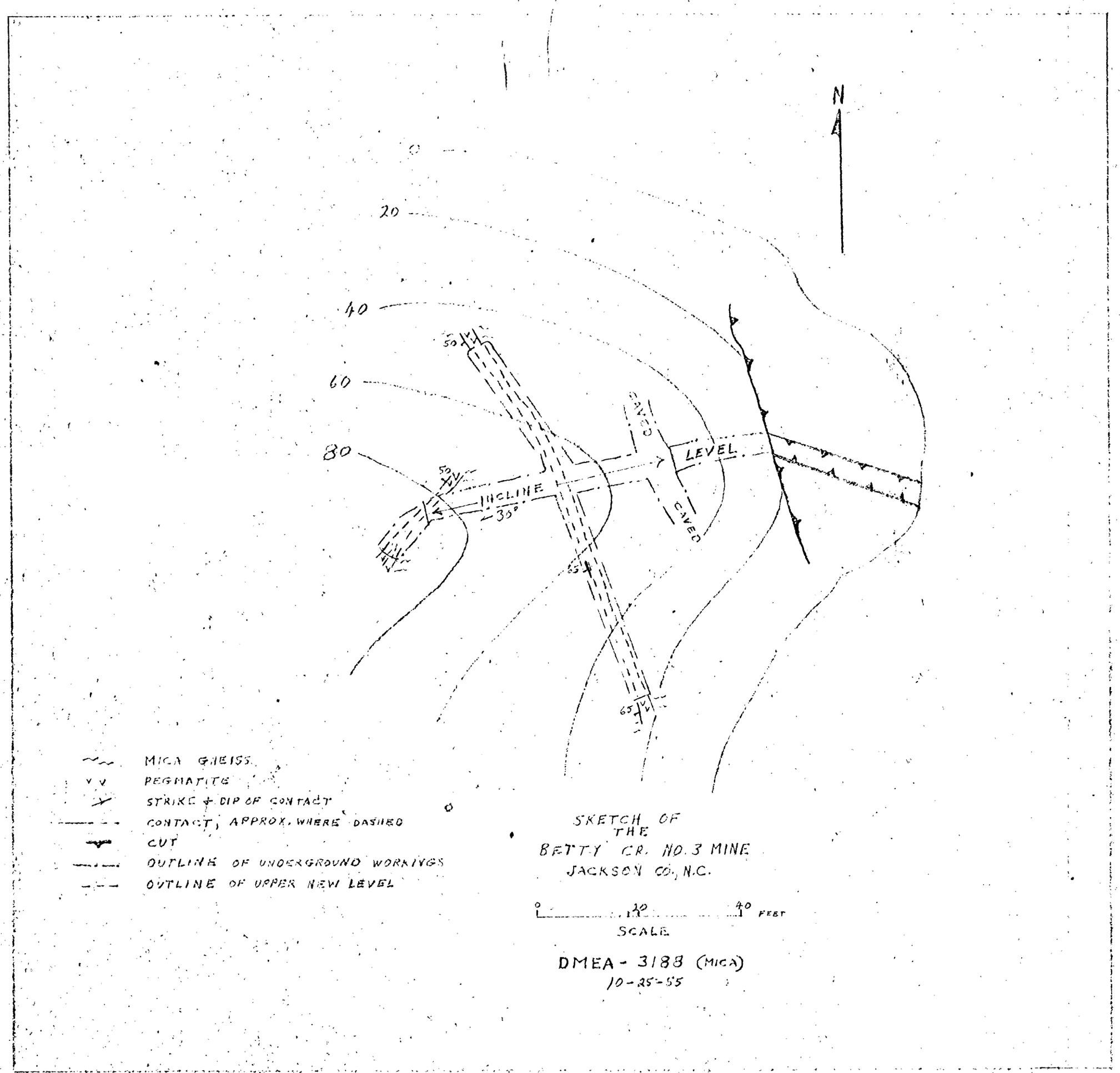
The foregoing or annexed certificate of W. D. Warren Notary Public of Jackson County attested by his /her Notarial Seal, is adjudged to be correct, and in due form of law.

Let the said instrument and the certificate, be registered.

This 5 day of Oct, 1953

Margaret W. Henson
Clerk Superior Court.

HUGH MORFETH
ATTORNEY AT LAW
SYLVA, N. C.


N
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50
50
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CAVED
LEVEL
CAVED
65
65
MICA GNEISS
PEGMATITE
STRIKE & DIP OF CONTACT
CONTACT, APPROX. WHERE DASHED
CUT
OUTLINE OF UNDERGROUND WORKINGS
OUTLINE OF UPPER NEW LEVEL
SKETCH OF
THE
BETTY CR. NO. 3 MINE
JACKSON CO., N.C.
0
20
40
FEET
SCALE
DMEA - 3188 (MICA)
10-25-55