DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3085

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.
1 copy To: USBM, USGS, Region VII and Docket

Routing Slip

To:	Code 600 Room 4637	Date	6/19/53
To:	Fertler	Date	6/19/53
To:	Open Com	Date	7-13-53
To:	Code 600	Date	7-14-53
To:	Open Com	Date	8-31-53
To:	Code 600-Rm 4637	Date	9-1-53
To:	Open Com	Date	11-2-53
To:	Code 600	Date	11/2/53
To:	Open Com	Date	1-24-55
To:	Open Com	Date	3-22-56
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

DMEA 3085

DOCKET INDEX

ACTION DOCUMENTS

1	APPLICATION		DATE RECEIVED	6/18/53
2	CONTRACT		DATE	11/3/53
3	TERMINATION AGREEMENT		DATE	1-3-55
4	CERTIFICATION		DATE	
5	AUDIT REPORT		DATE	
6	AMENDMENTS - NUMBERS	1	DATE	6/25/54

Docket Copy

Hook
Talbot

Rubin surnamed
Govt. Copy
6/21/55

TERMINATION OF EXPLORATION PROJECT CONTRACT BY AGREEMENT
AFTER COMMENCEMENT BUT BEFORE COMPLETION OF THE WORK

It is agreed this 3rd day of January, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and C. R. Phillips, Henry Grindstaff and Fred Boyd, partners, Spruce Pine, North Carolina, hereinafter called the "Operator," parties to that certain Exploration Project Contract I-dm-E 635, Docket No. DMEA-3085, dated November 3rd 1953, that the said contract shall be and is hereby terminated as of the first date above written.

Any work prosecuted or costs incurred by the Operator after the date first above written shall be for the sole account of the Operator, except for (a) such necessary and reasonable costs and expenses as may be incurred in preserving and disposing of any facilities, buildings, fixtures, equipment, or other items, to the cost of which the Government has contributed and in which the Government has an equity, and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract.

The undersigned Operator hereby releases and agrees to save harmless the Government from all claims and demands under or arising out of said Exploration Project Contract, except as herein expressly otherwise provided.

Witness the following signatures as of the day and year first above written.

UNITED STATES OF AMERICA

By W. A. Beck
Acting Executive Officer, DMEA-Reg.5

(Operator)

By Henry Grindstaff

By [illegible]

By C. R. Phillips

RECEIVED
JUN 10 1955

RECEIVED
JUN 15 1955

18262-1

DOCKET COPY

Rubin 8/27/54

EXPLORATION PROJECT

AMENDMENT No. 1

Contract Idm-X 635, DMEA-3085, dated 3rd November 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and C. R. Phillips, Henry Grindstaff, and Fred Boyd, partners, hereinafter called "Operator", be amended as follows:

1. In Exhibit "A" under Description of the work change Stage I to read as follows:

"From the open cut shown in the aforesaid map, sink a two-compartment shaft, 5' x 7' in cross section not in excess of 70 feet."

In Exhibit "A" under Description of the Work change Stage II to read as follows:

" After completion of Stage I, subject to the prior approval of the Government,"from a location in the shaft mutually agreeable to all parties concerned crosscut and/or drift shall be 5' x 7' in cross section."

In Exhibit "A" under Agreed Unit Costs change the second item to read as follows:

"Drifting and/or crosscutting - 90 ft. @ $35/ft. $3,150.00."

2. Article 3 is amended to provide that the Operator is to complete the project within a period of fourteen (14) months from the date of the contract, instead of eight (8) months as originally written.

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

June 25, 1954

THE UNITED STATES OF AMERICA

By Robert A. Lawrence

By Henry Grindstaff
Partner

By Fred T Boyd
Partner

By C R Phillips
Partner

DOCKET

AMENDMENT NO.1

Docket No. DMEA- 3085 Mineral : Mica

Exploration Project Contract Idm-E 635

Date of Contract:**** November 3, 1953

Date of Amendment : June 25, 1954

Operator: C. R. Phillips, Henry Grindstaff, and Fred Boyd

JUSTIFICATION

1. Because of heavy ground and bad water conditions, original shaft caved and it was necessary to relocate shaft, and may be necessary to turn off levels at less than 70 feet proposed in original contract. Operator has been advised that footage in new shaft (39 feet) which duplicates that of original shaft will not be paid for under the contract.

2. These delays made it impossible to complete the project in the specified time. It is in the Government's interest to allow Operator sufficient time to complete the exploratory work if possible.

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 200 1

COMMODITY Mica

Docket Copy

IDM-E 635

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 27 1953

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 3rd day of November, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] C. R. Phillips, Henry Grindstaff and Fred Ford, Partners Spruce Pine, 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 Georgia, County of Upson, 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: None

(*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 (8) 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 $5,400.00, which is 90 percent of $6,000.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

C. R. Phillips (Operator) Partner

By Henry Grimesaas Partner

Fred Boyd Partner

THE UNITED STATES OF AMERICA

By O. Mitchell Partner

Administrator, Defense Minerals Exploration Administration

Defense Minerals Exploration Administration

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

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 [illegible] in any mining or production operations.

EXPLORATION PROJECT CONTRACT
C. R. PHILLIPS, HENRY GRINDSTAFF AND FRED BOYD
DOCKET NO. DMEA-3085

ANNEX II

The land referred to in Article 2 hereof is known as the J. H. Reynolds Mine, lying and being in the County of Upson and State of Georgia, adjoining the lands of Milton Hanson, J. P. Hanson and others. It is located 2.6 miles southwest of Yatesville, Georgia, and is described, by metes and bounds, as follows:

"Beginning at an old Oak snag stump on the dividing lines between the lands now or formerly owned by George Bundenthal, William Miller, and George Mitchell, said stump being southeasterly of the shaft sunk by William Miller upon said lands, and running due north along said line 330 feet to a marked Sumac Bush on said dividing line; thence running south 56 degrees 30 minutes west 223.7 feet to a green stump; thence running south 44 degrees east 279 feet more or less, to the beginning point, said lands containing 0.72 acres, more or less, being in the shape of an irregular triangle. The above description is that contained in the deed from RFC to Henry R. Grindstaff, et ux., Myrtle Grindstaff, of the County of Yancey and State of North Carolina, which deed is of record in the office of Clerk of the Superior Court, Upson County, Georgia, in Book of Deed Records No. 112, page 277-8.

EXPLORATION PROJECT CONTRACT
C. R. PHILLIPS, HENRY GRINDSTAFF AND FRED BOYD, PARTNERS
DOCKET NO. DMEA-3085

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished in two successive stages in the area indicated on the attached map entitled "Sketch of J. H. Reynolds Mine, Upson Co., Ga. DMEA-3085 (mica)", by the work described below:

Stage I

From the open cut shown on the aforesaid map, sink 70 feet of a two-compartment shaft, 5 feet by 7 feet in cross section.

Stage II

After completion of Stage I, subject to the prior approval of the Government, from the bottom of the shaft, drift 90 feet in the pegmatite. The drift shall be 5 feet by 7 feet in cross section.

Agreed Unit Costs

Shaft sinking - 70 feet @ $50.00/ft.	$3,500.00	
Drifting - 90 feet @ $35.00/ft.	3,150.00	
Total Agreed Unit Costs		$6,650.00
Government Participation @ 90%		$5,985.00

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

RECEIVED
FEB 20 1956

February 16, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: DMEA-3085, Idm-E635 (mica) C. R. Phillips, Henry Grindstaff, and Fred Boyd. J. H. Reynolds Mine, Upson County, Ga.

Reference is made to your letter of February 6.

No production has been made from this mine since November 1954. The $1,811.48 represents all sales which are subject to royalty payments, of which we can find any records. Therefore, no further royalties are due on this contract.

Robert A. Laurence
Robert A. Laurence

Docket Copy
Surname:
Anderson
Houk
Selfridge
Kipnum
Mitterdorf

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

FEB - 6 1956

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

Subject: Docket No. DMEA-3085 - Mica
G. R. Phillips, Henry Grindstaff
and Fred Boyd
J. N. Reynolds Mine
Upson County, Georgia
Contract No. Idm-2635

Dear Mr. Laurence:

Reference is made to the subject contract; the time within which certification may be made ended on December 27, 1955.

Value of production during the operation amounted to $1,811.48, for which the royalty of $90.58 has been paid. In order to close out this docket, it will be appreciated if you will report whether any production has been made between the date of termination of contract and December 27, 1955.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (WCB)

Approved:

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

Thor H. Kiilsgaard (WCB)
Member, Geological Survey

WCAnderson:gad 2/3/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

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

RECEIVED
JUL 28 1955

July 28, 1955

Memorandum

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

From: Field Team, Region V, Knoxville, Tennessee

Subject: DMEA-3085, Idm-E635 (mica)
C. R. Phillips, Henry Grindstaff, and Fred Boyd
Reynolds Mine, Upson County, Georgia

Reference: Mr. Anderson's phone call, July 27.

We do not recommend certification, even though $1811.98 worth of mica was sold and $90.58 royalty paid before termination of the contract.

The contract was terminated before completion, by mutual agreement, because of heavy ground and excessive water. No discovery was made, and we see no basis for a certification.

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

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

July 27, 1955

Mr. W. C. Anderson calling Mr. R. A. Laurence, Knoxville, Tenn.

Re: Docket No. DMEA-3085 - Mica
C. R. Phillips, Henry Grindstaff
and Fred Boyd
J. H. Reynolds Mine
Upson County, Georgia
Contract No. Idm-E635

Mr. Anderson: The Field Team Report recommends no certification but I have a memorandum from Mr. Nelson of the Geological Survey saying: "Some mica was 'discovered'. Perhaps a certificate should be issued. Reconsideration of the point is recommended."

Mr. Laurence: They never were able to complete the job. They lost a shaft once and re-sunk at their own expense. They paid us some royalty $90.58. I don't see how we can say we made a discovery. We have had others that paid royalty and still we didn't certify. This was one terminated without completing the work. This is not one where we want to preserve the lien. That thing is a poor place. The field examiners and I agree to shut down so there is no reason to certify because they produced $1,800 worth of mica.

Mr. Anderson: Will you send us a confirmation?

Mr. Laurence: Yes I will.

RECEIVED
JUL 28 1955

Copy to: Docket
Division

IN REPLY REFER TO:

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

RECEIVED
JUL 11 1955

July 8, 1955

Re: DMEA 3085, Idm-E635
C. R. Phillips, Henry Grindstaff,
Fred Boyd
Reynolds Mine
Upson Co., Georgia
$6,650 - Mica

Memorandum

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

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

Subject: Review of Final Report of Field Team.

In a memorandum dated June 22, 1953, D. M. Larrabee said:

Comments 1) ----

"2) All records indicate this to be a bad operating problem, and difficult shaft sinking."

And; August 12, 1953:

"Comments 1) The proposal of the Field Team appears to be satisfactorily laid out.

2) The published report and the statements of the owners sound favorable to mica production. Things are so good, in fact, that the applicants have recently sold $6,200 worth of mica to the G.S.A. depot in Spruce Pine. Since the applicants have been mining so recently with such good results, government exploration funds seem unnecessary.

3) Denial."

The Final Report says, page 2: "The mine cannot be operated economically because of heavy ground and bad water conditions." Eight thousand dollars worth of mica was produced and sold, immediately before and after the time the work under Idm-E635 was in progress. Some mica was "discovered." Perhaps a certificate should be issued. Reconsideration of the point is recommended.

N. E. Nelson

N. E. Nelson

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

RECEIVED
JUL - 6 1955

July 5, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 3085 (mica)

Applicant: Phillips, Grindstaff and Boyd

Name and Location of Property: Reynolds Mine
Upson County, Georgia.

Contract Number: Idm-E 635

Date of Field Team Report: April 18, 1955

Date Rec'd by Br. of Ceramic and Fertilizer Materials: June 30, 1955

Field Team Recommendation: No certification of discovery

Comments:

1. Because of poor ground conditions this deposit could not be economically worked.

2. Mica was recovered during DMEA exploration

3. Expenditures - Total approved $6,650.00
Total cost 3,435.00
Gov't share of the cost 3,091.50
Value of production during operation 1,811.48 (includes work done at operators expense)

Recommendation:

I concur with the field team's recommendation.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR

COPY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Room 13, Post Office Bldg.
Knoxville 2, Tenn.

June 24, 1955

Memorandum

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

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

Subject: Final Field Team and Operators' Reports, DMEA-3085, Idm-E635
C. R. Phillips, Henry Grindstaff and Fred Boyd
Reynolds Mine (mica), Upson County, Georgia

Enclosed are four copies of the subject report. Preparation of this report has been delayed, pending receipt from the Operators of the executed termination agreement, which was received on June 10, 1955.

Also enclosed are four copies of what was submitted as an Operators' final report when they requested termination of the contract. Although two blank pieces of paper would have been almost as informative, we are willing to accept this asmeeting the requirement, because our field examiners obtained all needed data from their own inspections, and from conversations with the Operators and from the Operators' monthly reports.

Certification is not recommended.

/s/ Robert A. Laurence
Executive Officer

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

Enclosures 8

Reviewed by
DMEA OPERATING COMMITTEE
7-1-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD TEAM FINAL REPORT
REGION V

On

DMEA-3085 REYNOLDS MINE (mica)
Upson County, Georgia

BY

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

and

J. F. O'Neill, Mining Engineer
U. S. Bureau of Mines

April 18, 1955

Reviewed by
DMEA OPERATING COMMITTEE
7-1-55
(date)

FINAL REPORT
On
DMEA-3085, Idm-E635, (REYNOLDS MINE)

Operators: C.R. Phillips, Henry Grindstaff and Fred Boyd, Spruce Pine, N.C.

Work completed under this contract consisted of sinking a 40-foot vertical shaft and driving 41 feet of laterals from the shaft. Efforts to hold these openings and two additional shaft sunk at the Operator's expense failed because of heavy ground and water conditions. The pegmatite bottomed at shallow depths in these shafts; thus, the contract was terminated by mutual agreement effective January 3, 1955. It is recommended that no certification of discovery be issued. No additional exploratory work is warranted.

Work authorized by the contract began November 5, 1953, and ended during March 1954. A 40-foot vertical two-compartment shaft 5' x 7' in cross-section was sunk and timbered. As the pegmatite dipped out of the shaft at a depth of 35 feet and as pegmatites in this district tend to bottom at relatively shallow depths, a lateral was turned off from the 39-foot level. This lateral was driven and timbered a total of 41 feet as follows: 17 feet in a S 10° E. direction, then 18 feet S. 60° W. and lastly 6 feet due north. The openings caved-in due to heavy ground and bad water conditions. Subsequently, the Operators sank two 30-foot vertical shafts southeast of the contract shaft at their expense. Both reached the bottom of the pegmatite.

A disconformable pegmatite having a maximum thickness of about 10-feet was exposed in the shafts and the lateral. It strikes N. 45-60° W. and dips 75-80° S. W. The foliation of the country rock, biotite gneiss containing many irregular pegmatitic stringers, strikes east-west and dips 30-50° to the south. The body is zoned having a coarse perthite core flanked by a zone of plagioclase, quartz, muscovite and biotite. The bottom of the pegmatite was reached 25-30 feet below the floor of the open cut in the shafts on the southeast end but farther northwest in the contract work the bottom was not reached at a depth of 39 feet.

Mica yielding 151.34 pounds of strategic grade trimmed sheet worth $1811.48 was recovered from the three shafts and the lateral and sold to the GSA Depot at Spruce Pine. The grades were as follows:

	#3 and larger	4 & 5	5½ & 6
Good stained and better	1.89 lbs.	11.93 lbs.	45.30 lbs.
Stained	1.31 "	19.93 "	56.32 "
Heavy Stained	1.00 "	1.75 "	6.12 "

Limited reserves are present at this mine, but no reliable figure can be given. The mine cannot be operated economically because of heavy ground and bad water conditions.

Expenditures:

(a)	Total approved	$6,650.00
(b)	Total Cost of project	3,435.00
(c)	Government's share	3,091.50
(d)	" " unexpended	2,835.50
(e)	Value of production during opr. (includes work done at Operator's expense)	1,811.48
(f)	Royalty received to date	90.58

The operation was conducted in an efficient and satisfactory manner. Loss of the openings is not attributable to neglect, improper methods or poor workmanship on the part of the Operators. No equipment was purchased under the contract.

April 18, 1955.

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

and

J. F. O'Neill, Mining Engineer
U. S. Bureau of Mines

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

RECEIVED
JUN 27 1955

June 24, 1955

Memorandum

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

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

Subject: Final Field Team and Operators' Reports, DMEA-3085, Idm-E635
C. R. Phillips, Henry Grindstaff and Fred Boyd
Reynolds Mine (mica), Upson County, Georgia

Enclosed are four copies of the subject report. Preparation of this report has been delayed, pending receipt from the Operators of the executed termination agreement, which was received on June 10, 1955.

Also enclosed are four copies of what was submitted as an Operators' final report when they requested termination of the contract. Although two blank pieces of paper would have been almost as informative, we are willing to accept this as meeting the requirement, because our field examiners obtained all needed data from their own inspections, and from conversation with the Operators and from the Operators' monthly reports.

Certification is not recommended.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 8

memo
orig. to H.B.
to copy

RECEIVED
JUN 27 1955

Spruce Pine, North Carolina
March 8, 1954

Mr. Robert A. Laurence, Executive Officer
DMEA Field Team, Region 7
Room 13, Post Office Bldg.
Knoxville 2, Tenn.

Re: DMEA-3085, Idm-E 635
Reynolds Mine
Upson County, Georgia

Dear Mr. Laurence:

Enclosed is a map of the work that has been done at the Reynolds Mine in Georgia. We want this contract terminated by mutual consent of the parties, because the mine has fell in and it is impossible to work it any longer. We wish to thank the Government for their help in this prospect.

Sincerely yours,

C. R. Phillips

C. R. Phillips

CRP/lc

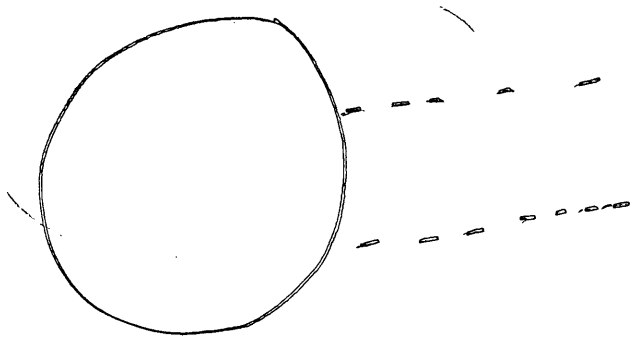
Enclosure

~~Operator will attempt new shaft.~~
~~No action on the request needed.~~
~~See later correspondence.~~

RECEIVED
MAR 10 1954
U. ... ey
Knoxville, Tenn.

Work Done at Reynolds Mine

40' of Shafting



41' of Drifting

RECEIVED
JUN 27 1983

Spruce Pine, North Carolina
March 8, 1954

Mr. Robert A. Laurence, Executive Officer
DMEA Field Team, Region 7
Room 13, Post Office Bldg.
Knoxville 2, Tenn.

Re: DMEA-3085, Idm-E 635
Reynolds Mine
Upson County, Georgia

Dear Mr. Laurence:

Enclosed is a map of the work that has been done at the Reynolds Mine in Georgia. We want this contract terminated by mutual consent of the parties, because the mine has fell in and it is impossible to work it any longer. We wish to thank the Government for their help in this prospect.

Sinverely yours,

C. R. Phillips

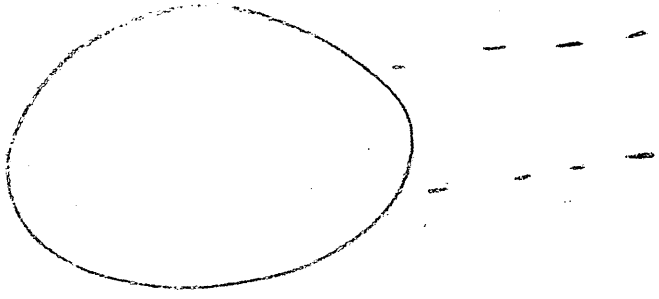
C. R. Phillips

CRP/lc

Enclosure

Work Done at Reynolds Mine

40' of shafting



41' of Drifting

RECEIVED
JUN 21 1954

Spruce Pine, North Carolina
March 8, 1954

Mr. Robert A. Laurence, Executive Officer
DMEA Field Team, Region 7
Room 13, Post Office Bldg.
Knoxville 2, Tenn.

Re: DMEA -3085, Idm- E 635
Reynolds Mine
Upson County, Georgia

Dear Mr. Laurence:

Enclosed is a map of the work that has been done at the Reynolds Mine in Georgia. We want this contract terminated by mutual consent of of the parties, because the mine has fall in and it is impossible to work it any longer. We wish to thank the Government for their help in this prospect.

Sincerely yours,

C. R. Phillips

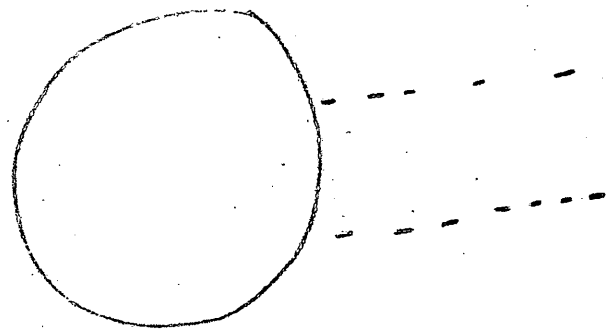
C. R. Phillips

CRP/lc

Enclosure

Work Done at Reynolds Mine

40' of Shafting



41' of Drifting

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

June 13, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Termination Agreement, DMEA-3085, Idm-E635 (mica) Phillips, Grindstaff and Boyd. Reynolds Mine, Upson County, Georgia

Enclosed are the original and two copies of the subject termination agreement, which the Operators sent in only this week. Usual distribution of the other copies has been made.

Preparation of our final report was delayed pending receipt of these documents. It will be submitted in the near future. We will not recommend certification or pseudo-certification.

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

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

RECEIVED
JUN 15 1955

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

June 2, 1955

JUN - 9 1955
RECEIVED

Mr. C. R. Phillips

Spruce Pine, North Carolina

Re: DMEA-3085, Idm-E635 (mica)
Reynolds Mine, Upson County, Ga.
Phillips, Grindstaff and Boyd

Dear Mr. Phillips:

On May 2, 1955, we sent Mr. Henry Grindstaff six copies of a termination agreement for the subject contract, replacing another set sent to him on January 27 which apparently were lost. We have not received this second set either, although a month seems to be sufficient time to obtain the three signatures, especially since the termination agreement was prepared in response to your request.

Will you please see that these agreements are signed by all three partners, and return all copies except the "Operator's Copy" to me, as soon as possible?

Very truly yours,

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

RAL/zm
cc:

Opr. Com.-2
Henry Grindstaff
Fred Boyd
Shirley
Lynch
Files

DOCKET COPY
Surname:
Anderson
Hedges
Selfridge
H. Johnson
Whittenburg

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

MAY 31 1955

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

Subject: Docket No. DMEA-3085 - Mica
C. R. Phillips, Henry Grindstaff
and Fred Boyd
J. H. Reynolds Mine
Upson County, Georgia
Contract No. Idm-E635

Docket No. DMEA-3816 - Mica
C. R. Phillips
Willis Prospect
Mitchell County, North Carolina

Dear Mr. Laurence:

Reference is made to the subject contract and the application by Mr. C. R. Phillips for exploration assistance at the Willis Prospect which has just been received.

We are reluctant to give any consideration to Mr. C. R. Phillips' new application until the matter in Contract No. Idm-E635 is cleared up. It is assumed that he is a prominent partner in this contract since he signed the Operator's Monthly Reports and Vouchers. There is no record in our files that the termination agreement which you forwarded to the Operators on January 27, 1955, has been executed and returned.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (SHB)

Approved:

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

Thor H. Kiilsgaard (SHB)
Member, Geological Survey

WCAnderson:ad 5/25/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.G.

Defense Minerals Administration
RECEIVED
APR 14 1955

April 12, 1955

Mr. Henry Grindstaff

Cole, North Carolina

Re: DMEA-3085, Idm-E635 (mica)
Reynolds Mine, Upson County,
Georgia

Dear Mr. Grindstaff:

On January 27, we sent you the original and five copies of a termination agreement for the subject exploration contract, as discussed earlier with you and your partners. On March 7, we again wrote, requesting that you execute and return these documents.

Please have all six copies of these signed by yourself, C. R. Phillips, and Fred Boyd, and return the original and four copies to me as soon as possible. We would like to close our records on this project, as no work has been done since January 1954, and none is contemplated.

Very truly yours,

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

RAL/sm
cc:
Lynch
Fred Boyd
Opr. Com.
C. R. Phillips
Shirley
Files

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 8 1955

April 4, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3085, Idm-E635 (mica) Phillips, Grindstaff & Boyd Reynolds Mine, Upson County, Georgia

Reference is made to your letter of April 1.

On January 27, we sent the termination agreement to the Operators for signature. On March 7, we again wrote them asking that they return the signed agreement. No reply to that letter has been received. We will write again and urge return of the executed agreement.

So far as we know, they do not intend to complete the project, and we agree that it should be terminated.

Robert A. Laurence

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch

V. J. Lynch, Member
DMEA Field Team
U. S. Bureau of Mines

FILE COPY
Surname:
Anderson
Selfridge
Ryman
Whitaker

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

600

APR - 1 1955

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

Subject: Docket No. DMEA-3085 - Mica
C. R. Phillips, Henry Grindstaff
and Fred Boyd
J. H. Reynolds Mine
Upson County, Georgia
Contract No. Idm-E635

Dear Mr. Laurence:

Reference is made to our letter of January 25, 1955, authorizing you to execute a termination of subject contract by mutual consent. Since that time we have received no correspondence relative to the project.

The completion date for this contract is January 3, 1955. If the Operator intends to complete the project and you approve, please prepare and have executed an amendment providing the necessary time extension. If the project is to be terminated, please prepare and have executed the standard Termination Agreement.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GLB)

Approved:

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

/S/ R. D. Trace (GLB)
Member, Geological Survey

WCAnderson:ad 3/31/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

P.C.4.

Docket Copy
Surname:
Anderson
Houk
Rufin
Hoffland
Selfridge
Feldman
Wattendorf

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

600

JAN 2 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-3085 - Mica
C. R. Phillips, Henry Grindstaff
and Fred Boyd
J. H. Reynolds Mine
Upson County, Georgia
Contract No. Idm-E635

INTERIOR DEPT.
JAN 1 8 1955
SOLICITOR

Dear Mr. Laurence:

Reference is made to the Field Team memorandum of January 10, 1955, recommending that the subject project be terminated by mutual consent.

We note that the pegmatite apparently has bottomed, and that the Operators have done work at their own expense in addition to work authorized by the contract.

We concur in the Field Team's recommendation and hereby authorize you to execute a termination of subject contract by mutual consent.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Approved:

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

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

WCAnderson:gad 1/17/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.G.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~HOLWASHINGTON 25, CE BLDG.~~
KNOXVILLE 2, TENN.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 12 1955

January 10, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII - Knoxville

Subject: DMEA-3085, Idm-E635 (mica) Phillips, Grindstaff & Boyd Reynolds Mine, Upson County, Georgia

No work has been conducted under contract on this project since March 1954, although two shafts, each approximately 30 feet deep have been sunk by the Operator at his own expense. Each shaft has bottomed the pegmatite. Todate, the Operator has sunk three shafts at his own expense and one(40-ft) sunk on the contract with 35 feet of level work. In all workings the pegmatite has been bottomed.

The Field Team recommends that this project be terminated by mutual consent. All three of the Operators have been contacted and they are in agreement. We will not recommend certification.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1055 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

Defense Minerals Administration
RECEIVED
DEC 10 1954

December 9, 1954

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3085, Idm-E 635,(mica), Phillips, Grindstaff and Boyd. Reynolds Mine, Upson County, Georgia

Enclosed are four copies of the latest interim report on the subject project.

Work to date has indicated that the pegmatite bottoms at relatively shallow depth. Mr. Teague will see the Operators in Spruce Pine next week, as they wish to terminate the project. We will probably recommend termination of this project without certification, but will wait until Mr. Teague returns before doing so.

Robert A. Laurence
Robert A. Laurence

Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION VII, SOUTHEASTERN
BOX L
UNIVERSITY, ALABAMA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 10 1954

FREIGHT ADDRESS:
TUSCALOOSA, ALABAMA

December 6, 1954

Interim Report

DMEA No. 3085 - Mica
Idm-E-635
Reynolds Mine

Operators: C. R. Phillips, Henry Grindstaff, and Fred Boyd partners
Spruce Pine, North Carolina
Date examined: December 2, 1954

At the time that the property was visited, there was no workingmen or operators at the site. The cook house was locked and all of the workings were flooded. The most recent shaft was flooded and showed evidence of running by slumpage around one end.

J. F. O'Neill
Mine Examination and
Exploration Engineer
Mining Division, Region VII

JFO'Neill:wjk

cc: R. A. Laurence, orig & 5
Regional Director, Region VII
J. F. O'Neill
file
day file

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REGION VII, SOUTHEASTERN
BOX L
UNIVERSITY, ALABAMA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 19 1954

FREIGHT ADDRESS:
TUSCALOOSA, ALABAMA

November 8, 1954

Interim Report

DMEA No. 3085 - Mica
Idm-E-635
Reynolds Mine
Operators: C. R. Phillips, Henry Grindstaff, and Fred Boyd partners
Spruce Pine, North Carolina
Date examined: November 2, 1954

The operator was in North Carolina recruiting a new crew. One workman was on the site pumping out the workings.

The new shaft was reported 30 feet deep. The water level stood at 15 feet from the collar. The pumpman stated that they were experiencing considerable trouble from running ground, but believed that they had it caught and would be able to sink it when Grindstaff returned with a new crew.

J. F. O'Neill
Mine Examination and
Exploration Engineer
Mining Division, Region VII

JFO'Neill:wjk
cc: R. A. Laurence, orig. & 5
Reg. Dir., Reg. VII
J. F. O'Neill
File
Day File

RECEIVED
NOV 12 1954
U. S. Geological Survey
Knoxville, Tenn.

INTERIM REPORT

On

DMEA-3085, Idm-E635, REYNOLDS MINE
(mica)

Operator: C. R. Phillips, H enry Grindstaff and Fred Boyd, Partners
Spruce Pine, North Carolina

Location: 2.6 miles southwest of Yatesville, Upson County, Georgia

Work was suspended on this project in June 1954. No work has been accomplished since.

The Operator plans to resume work as soon as the hot weather is over.

Date
Visited: Sept. 2, 1954.

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

Note by Field Team:

There was no formal suspension request, and we did not prepare a suspension agreement, nor did we agree to suspension. Operator wanted to terminate in March due to caving of the shaft, but later agreed to continue, and we prepared an amendment in June, which the Operator signed, extending completion date to January 3, 1955. This can be met if the Operator resumes, and prosecutes the work diligently, and does not lose his crew for the duration of the cotton-picking season.

z

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

July 23, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3085 - Mica
C. R. Phillips, Henry Grindstaff
and Fred Boyd
J. H. Reynolds Mine
Upson County, Georgia
Contract No. Idm-E635

The purpose of Amendment No. 1 to the subject contract is (1) to change the location of the crosscut and/or drift from the bottom of the shaft to a location in the shaft mutually agreeable to all parties concerned and (2) extend the completion date from July 3, 1954, to January 3, 1955.

The changes were necessary because due to heavy ground and bad weather conditions the shaft caved, necessitating relocation and sinking of a new shaft, making it impossible to complete the project in the specified time.

The Nonmetallic Minerals Division concurs in the amendment as written and executed in the field.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

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

July 14, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: Amendment No. 1; DMEA-3085, Idm-E 635 (mica)
C. R. Phillips, Henry Grindstaff and Fred Boyd, applicants.

Transmitted herewith are three copies of the subject amendment with justification attached to each copy. The usual distribution of the other copies has been made from this office.

Robert A. Laurence

Robert A. Laurence

✓7

June 9, 1954

Mr. Henry Grindstaff

Cole, North Carolina

Re: DMEA-3085, Idm-R 635 (mica)
Reynolds Mine, Upson County, Ga.
Phillips, Grindstaff & Boyd

Dear Mr. Grindstaff:

Mr. Teague tells me that he recently talked with you about the work at the Reynolds mine.

As we advised Mr. John R. Phillips by letter on May 12, we are agreeable to your proposal to deepen the old shaft at the southeast end of the open cut, but under the contract we can contribute to the cost of only that portion which is deeper than 39 feet, as we have already paid for work to that depth in your earlier shaft.

Yours very truly,

Robert A. Lawrence
Executive Officer, DMEA
Region VII

RAL/mm
cc:
Beck
Lynch
Opr. Com.
Files

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

March 26, 1954

Mr. John R. Phillips

Spruce Pine, North Carolina

Re: DMEA-3085, Idm-E 635 (mica)
Reynolds Mine-Upson County, Georgia

Dear Mr. Phillips:

Following an inspection of the Reynolds mine on March 24 by Mr. O'Neill and Mr. Amos, we have concluded that a decision as to the extent of future work should be delayed until after the completion of the open-cut work which is now underway at your own expense. It does not appear to be desirable to terminate the contract now, as there is good possibility that the exploratory drift can be continued from the open cut.

Very truly yours,

Robert A. Laurence

RAL/sm
cc:
Beck
Lynch
Opry. Com.
Files

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

March 1954

INTERIM REPORT
On
DMEA-3085, REYNOLDS MINE (mica)

Operators: C. R. Phillips, Henry Grindstaff and Fred Boyd, Partners
Spruce Pine, North Carolina

Location: 2.6 miles southwest of Yatesville, Upson County, Georgia

The lateral work done from the 39-foot level has recently caved-in and has filled the shaft to the 30-foot level. It would be difficult and unsafe to attempt to do further work from the present shaft. The cave-in was a result, in the opinion of the field examiners, of uncontrolable heavy ground and water conditions, and was not attributable to improper timbering.

The operators tentatively plan to lower the southeast end of the cut about 25 feet by dozer and pan at their expense. The present shaft would in this case serve as a sump and would alleviate in part the water problem. If this work reveals favorable geological and ground conditions it is suggested that the remaining drift footage of the contract be used to drive an adit southeastward along the pegmatite from the south end of the cut.

A total of 41 feet of lateral work was done from the 39-foot level prior to the cave-in. A crosscut was driven 35 feet to the southwest (17 feet S. 10° E. and 18 feet S. 60° W) and a drift 6 feet to the north. This work exposed a disconformable pegmatite about 10 feet thick in the laterals near the shaft.

Exam: March 24, 1954

Dewey H. Amos

Dewey H. Amos, Geologist
U. S. G. S.

J. F. O'Neill

J. F. O'Neill, Mining Engineer
U. S. B. M.

z

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

March 19, 1954

Mr. C. R. Phillips

Spruce Pine, North Carolina

Re: DMEA-3085, Idm-E 635 (mica)
Reynolds Mine

Dear Mr. Phillips:

Your letter of March 8, requesting termination of the Reynolds contract has been received and considered by the Field Team. We would like to delay a final decision until after Mr. O'Neill and Mr. Amos visit the mine Wednesday March 24.

Yours very truly,

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

RAL/sm
cc:
Beck
Lynch
Opr. Com.
Files

MAR 4 - 1954

INTERIM REPORT

ON

DMEA-3085, Idm-E 635, REYNOLDS MINE (mica)

Operator: C. R. Phillips, Henry Grindstaff and Fred Boyd, Partners
Spruce Pine, North Carolina

Location: 2.6 miles southwest of Yatesville, Upson County, Georgia

A crosscut has been driven S. 10° E. for a total of 17 feet from the 39 foot level.

Lateral work was begun from this level rather than deeper as previously planned because the pegmatite dipped out of the shaft.

A disconformable pegmatite ~~xx~~ about 10 feet thick is present in the crosscut near the shaft. It strikes N. 60° W. and dips steeply to the southwest. No commercial mica is present. It was recommended to the Operator that the crosscut be turned more to the southwest and continued for 35 feet. Work is progressing in a satisfactory and efficient manner.

Date: 19 Feb. 1954.

K. H. Teague Dewey Amos
K. H. Teague & Dewey Amos, Geologists
U. S. G. S.

James F. O'Neill
James F. O'Neill, Mining Engineer, U. S. B. M.

z

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

18 1954

INTERIM REPORT
On
DMEA-3085, Idn-E 635 (mica)
REYNOLDS MINE

Operator: C. R. Phillips, Henry Grindstaff and Fred Boyd, partners
Spruce Pine, North Carolina

Location: 2.6 miles southwest of Yatesville, Upson County, Georgia.

The shaft at subject mine has been driven to a depth of 35 feet. A zoned pegmatite 4 feet thick is exposed in the shaft. It strikes N. 45° W. and dips 75° SW. About 500 pounds of "mine-run" mica was recovered from the shaft near the surface. Only "burr" mica is present in the pegmatite below about 20 feet. It was recommended to the Operator that the manway be partitioned from the haulage way. Minor delays have resulted from heavy water conditions and pump failures. Work is progressing in an efficient and safe manner.

It is tentatively recommended that a crosscut be driven to the southwest from about the 60 feet level. Heavy water conditions will necessitate at least a 10 foot sump below this level.

Date: Feb. 5, 1954

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

Wm. A. Beck
Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

INTERIM REPORT
On
DMEA-3085, Idm-E 635 (mica)
REYNOLDS MINE

Operators: C. R. Phillips, Henry Grindstaff and Fred Boyd, partners
Spruce Pine, North Carolina

Location: 2.6 miles southwest of Yatesville, Upson County, Georgia.

The shaft at subject mine has been driven to a depth of 35 feet. A zoned pegmatite 4 feet thick is exposed in the shaft. It strikes N. 45° W. and dips 75° SW. About 500 pounds of "mine-run" mica was recovered from the shaft near the surface. Only "burr" mica is present in the pegmatite below about 20 feet. It was recommended to the Operator that the manway be partitioned from the haulage way. Minor delays have resulted from heavy water conditions and pump failures. Work is progressing in an efficient and safe manner.

It is tentatively recommended that a crosscut be driven to the southwest from about the 60 feet level. Heavy water conditions will necessitate at least a 10 foot sump below this level.

Date: Feb. 5, 1954

Kefton Teague and Dewey Ames, Geologists
U. S. Geological Survey

Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

1B

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 27 1953

November 25, 1953

Memorandum

To: Chairman, Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region 7

Subject: Signed Contracts.

Transmitted are three signed copies each of the following:

DMEA-3154, Idm-E 636, Byrd Mica Miners

DMEA-3085, Idm-E 635, C.R. Phillips, Henry Grindstaff and Fred Boyd, partners.

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

Robert A. Laurence

cc

z.
cc;
Beck
Lynch
Finance Office
Files

FILE COPY
SURNAME:

Anderson
Houk
Talbot
Selfridge
Hedges

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

NOV 3 1953

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

Subject: Docket No. DMEA-3085 - Mica
C. R. Phillips, Henry Grindstaff
and Fred Boyd
J. H. Reynolds Mine
Upson County, Georgia

Dear Mr. Laurence:

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

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

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

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

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Approved:

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

A. R. Kinkel, Jr. (ARK)
Member, Geological Survey

Enclosures 10

WCAnderson:gad 10/29/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R. Cook 11-3-53

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

October 5, 1953

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, Region VII

Subject: J. H . Reynolds Mine, Upson Co., Ga. Docket No. DMEA -3085 (mica)

On October 2, 1953, K. H. Teague visited subject mine, at which time the large open cut had been dewatered. This mine has been idle since April 1953, and during this five months of idleness from 2 to 4 feet of mud has accumulated over the entire floor of the cut. The 18-foot shaft sunk by the applicants from the floor of the cut is completely filled with thin mud. The only pegmatite presently exposed is two thin stringers on the southeastern rim of the cut. These exposures contain some small mica; however, all previous production has been from the cut.

The Field Team is of the opinion that the drainage ditch is an essential part of preparation for exploration. Otherwise, after each period of heavy rain from 6 inches to one foot of mud will collect in the bottom of the cut, covering any tools or supplies left there, and perhaps silting the shaft.

Robert A Laurence

Oct. 2, 1953

Robert A. Laurence
Executive Officer, DMEA
Field Team, Region 7

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

zm

FILE COPY
SURNAME:

Anderson
Houk

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

600

SEP 15 1953

Mr. C. R. Phillips

Spruce Pine, North Carolina

Re: Docket No. DMSA-3085 - Mica
C. R. Phillips, H. Grindstaff and
F. Boyd
J. H. Reynolds Mine
Upson County, Georgia

Dear Mr. Phillips:

Reference is made to your application for exploration assistance on the subject property.

The Government Field Team has made an examination of your property and reports that at the time of the examination the mine was inactive and the open cut was filled with water. The pegmatite could not be inspected and as a result, the Field Team's Report was based on past history of the mine.

The Field Team would be pleased to re-examine this pegmatite in the event you pump it out. Kindly notify the Regional Office concerning your intentions, so the Field Team can make arrangements to re-examine your property when the pumping has been accomplished.

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

WCAnderson:gad 9/15/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

HHB
9-15-53

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

ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

September 4, 1953

Mr. Ernest M. Ellis
Acting Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-3085 - Mica
C. R. Phillips, H. Grindstaff,
and F. Boyd
J. H. Reynolds Mine
Upson County, Georgia

Dear Mr. Ellis:

Regarding your recent request as to the flow of water in subject mine:

It is impossible to supply reliable figures. At the time the mine was examined it was inactive, and the large open cut was filled with as much as 10 feet of water. The Field Team would guess that the mine would possibly not make more than 12 gallons of water per minute. However, this is entirely a guess.

The principal reason for recommending a drainage ditch is to permit natural run-off of surface water during periods of rainy weather. The open cut is bowl shaped and after each period of rain, the entire hole is filled with water. We feel that the estimated cost of $600.00 for a drainage ditch at this place is reasonable and should pay for its cost within a short length of time because of the decreased need for pumping, especially surface water. We agree that the trench in itself would not normally decrease the amount of water that must be pumped from the shaft.

Sincerely yours,

Kefton H. Teague

Kefton H. Teague
Geologist

FILE COPY
SURNAME:

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

600

Anderson
Houk
Kline
Jeffrey
Lefferdge
Hutchinson

SEP 1 1953

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

Subject: Docket No. DMEA-3089 - Mica
C. R. Phillips, H. Grimdstaff, and F. Boyd
J. H. Reynolds Mine
Upson County, Georgia

Dear Mr. Laurence:

Before making final decision on the Field Team's recommendation that exploration assistance be granted for subject project, we would like to have more information on the water problem.

In their report the Field Team states:

"A strong flow of water has been a serious problem in past mining operations."

Will you kindly furnish us the rate of flow of water in terms of gallons per minute? This would aid us very much in determining the extent of the pumping necessary.

The examiners recommended cutting a drainage ditch into the open cut at a cost of $600.00. Do you not think that this would be an unnecessary expenditure, since it would reduce the head only fifteen feet and not appreciably affect the amount of water that must be pumped from the shaft?

Your comments will be appreciated.

Sincerely yours,

Ernest Wm. Ellis

Approved:

M. H. Kline
Member, Bureau of Mines

A. R. Kinkel, Jr.
Member, Geological Survey

ACTING Chairman, Operating Committee

WCAnderson:gad 8/28/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.S.
9-1-53

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

August 25, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Acting Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3085, Mica, J. H. Reynolds Mine,
Cecil R. Phillips, Upson County, Georgia

I concur in the field team's recommendation for an exploration program in the amount of $7,250.

Donald R. Irving

Donald R. Irving

IN REPLY REFER TO:

G-MD-CNM

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

Defense Minerals Exploration Administration
RECEIVED
AUG 13 1953

Memorandum

August 12, 1953

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3085 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: C. R. Phillips, Henry Grindstaff, Fred Boyd, c/o C. R. Phillips.
Name of property: J. H. Reynolds Mine.
Location of property: 2.6 miles SW. of Yatesville, Upson County, Georgia.
Date of field team report: August 4, 1953.
Authorship of field team report: K. H. Teague and J. F. O'Neill.
Field team's recommendation:

??? —	Drainage ditch, 150'x4'x15'	$600.00
exploration?	70-foot, 5'x7', 2 compartment shaft	3,500.00
	90 feet, 5'x7' drift at $35.00/ft.	3,150.00
	Total estimated cost	$7,250.00
	Total time required	6 months

Comments:

1) The proposal of the Field Team appears to be satisfactorily laid out.

2) The published report and the statements of the owners sound favorable to mica production. Things are so good, in fact, that the applicants have recently sold $6,200 worth of mica to the G.S.A. depot in Spruce Pine. Since the applicants have been mining so recently with such good results, government exploration funds seem unnecessary.

3) Denial.

D. M. Larrabee

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

COPY

Room 13, Post Office Bldg.
Knoxville 2, Tenn.

August 7, 1953

Memorandum

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

From: Field Team, DMEA, Region VII

Subject: Field Examination Reports
DMEA-3082, Joe Persons Mine (Mica) - Georgia
DMEA-3085, J. H. Reynolds Mine (Mica) - Georgia

Transmitted herewith are 4 copies of each of the two subject reports, and six extra copies of the maps.

The Field Team approves the recommendation for exploration at both these properties.

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

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

Enclosures 20

Reviewed by
DMEA OPERATING COMMITTEE
8-14-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

8/31/53

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-3085, J. H. REYNOLDS MINE (Mica)

Yatesville, Upson County, Ga.

By

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

James F. O'Neal, Mining Engineer
U. S. Bureau of Mines

August 4, 1953

Reviewed by
DMEA OPERATING COMMITTEE
8-14-53
(date)

Field Examination Report
on
DMEA-3085, J. H. REYNOLDS MINE (Mica)

Applicants: C. R. Phillips
Henry Grindstaff
Fred Boyd
c/o C. R. Phillips
Spruce Pine, North Carolina

This mine has produced considerable high-quality ruby mica in the past. At present the new open cut is flooded, thus the pegmatite cannot be inspected; however, the past history of the mine and the amount of the recent production indicates that the deposit offers considerable possibilities for the production of strategic mica, thus exploration assistance is recommended.

The deposit was examined on July 23, 1953. Messrs. C. R. Phillips, Henry Grindstaff, Fred Boyd, S. L. Phillips and Clingman Ellis accompanied the examiners on the inspection which required two hours.

The J. H. Reynolds mica mine is 2.6 miles southwest of Yatesville, Upson County, Georgia. Access to the mine is possible at all times; however, during periods of wet weather chains are required.

All of the applicants have had considerable mica mining experience. They appear to be competent and financially responsible to conduct the proposed project.

The applicants own the deposit in fee. Adequate area is covered by the three adjoining tracts to provide sufficient working and dumping area.

At the present time the mine is not in operation. There is a combination tool house-bunk house in good condition on the property. The only mining machinery in place is a double drum hoist.

At one time six shafts existed at this deposit. Recently the applicants have worked the deposit by open cut methods, removing all the previous shafts. The workings now consist of an open cut 150 feet long, 50-75 feet wide, and 30 feet deep at the uphill (southeast) end. The applicants report the existence of a new 18-foot shaft from the floor of the open cut, but this opening was not observed as the cut contained 10-15 feet of water. The attached sketch map shows the current openings and their relations to the previous workings.

Reviewed by
DMEA OPERATING COMMITTEE
8-14-53
(date)

The following description of the geology is taken from U. S. G. S. Professional Paper 248-F, p. 353.

"The pegmatite body strikes N. 45° W. and probably dips northeast. It cuts, at a high angle, the foliation of the mica gneiss wall rock, which strikes N. 85° W. and dips 25° to 40° S. in the central part of the mine area. Much of the gneiss has been invaded by stringers of pegmatitic material. Shaft B was sunk on a 5-ft pegmatite body that trends north and may be a branch of the main mass. It also cuts across the country-rock foliation. The pegmatite is poorly exposed, but unweathered material that was encountered in shaft C indicates the presence of a coarse, perthite-rich core and a flanking wall zone of quartz-plagioclase-muscovite-biotite pegmatite in which black tourmaline is a common accessory mineral. Some of the perthite crystals have well-formed faces.

"Two kinds of mica are present. Yellowish-olive "A" books, which may be associated with the core, are less abundant than a hard, flat, light cinnamon-brown mica that occurs in the wall zone. Some of the flat books are cracked and ruled, and a few are tied. Mica appears to be abundant in the deposit, and further work may be warranted. A strong flow of water has been a serious problem in past mining operations."

The description of the floor of the open cut as described by the applicants lends support to the U. S. G. S. map of the deposit. Apparently the pegmatite branches to the northwest and according to the applicants mica has been obtained everywhere pegmatite has been found.

Past production from this mine is unknown. It was operated during World War I, to a limited extent during World War II, and recently the applicants have sold about $6,200 worth of mica from the deposit to the Spruce Pine Mica Depot.

Manpower, materials, supplies, and water are readily available. Should electric power be required for pumping it will be necessary to extend a single phase power line about 0.75 miles.

The applicants' proposed program of exploration, with minor changes, appears to be satisfactory.

The examiners recommend that the project consist of cutting a drainage ditch into the open cut which will greatly reduce the amount of water to be pumped. This ditch will be approximately 150 feet long and a maximum of 15 feet deep. Part of the ditch will be in rock which will require drilling and shooting. After the drainage ditch is completed and mud removed from bottom of cut, a 70 foot shaft should be sunk near the point where the pegmatite branches. From about the 65-foot level, 30 foot drifts should be driven on all three arms of

the pegmatite (Total drifts of 90 feet). Adequate pumping facilities should be provided as the mine is near creek level and makes considerable water; however, the rock in the bottom of the cut is reported to be sound, thus no difficulty should be encountered in holding it.

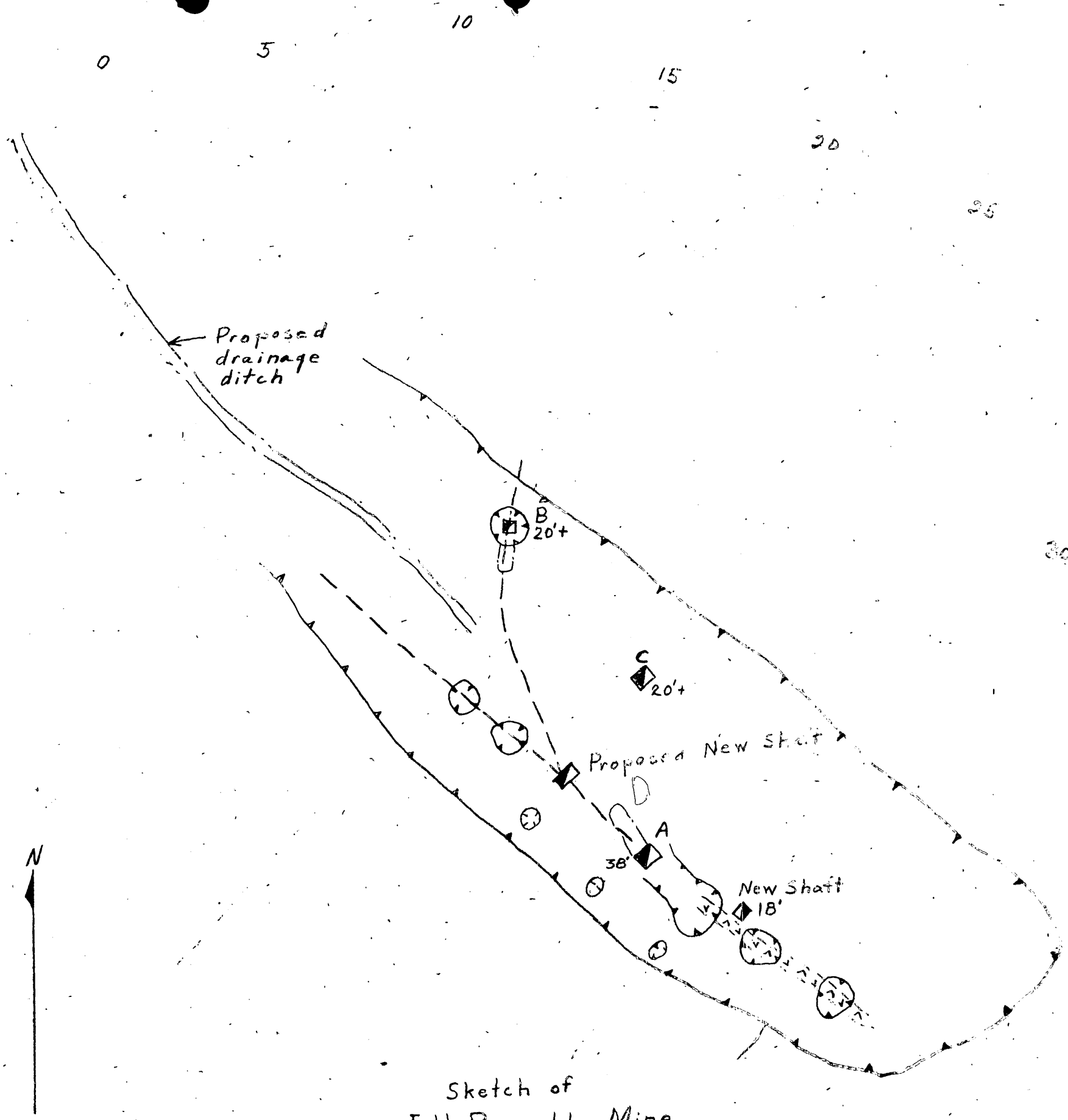
Estimated cost:

Drainage Ditch, 150' x 4' x 15'	$ 600.00
70-foot, 5' x 7', 2 compartment shaft at $50.00/ft	3,500.00
90 feet, 5' x 7' drift at $35.00/ft	3,150.00
Total estimated cost	$7,250.00
Total time required	6 months

August 4, 1953

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

J. F. O'Neal, U. S. B. M.



Sketch of
J. H. Reynolds Mine
Upson Co., Ga.

0 25 50
Scale

DMEA-3085 (mica)

FILE COPY
SURNAME:

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

Hopkins
Hough
Selfridge
Johnson

JUL 13 1953

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

Subject: Docket No. DMEA-3085 - Mica
C. R. Phillips, H. Grindstaff, and
B. Boyd
J. H. Reynolds Mine
Upson County, Georgia

Dear Mr. Laurence:

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

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

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee GHS

Approved:

J. H. Hedges GHS
Member, Bureau of Mines

A. R. Kinkel, Jr. GHS
Member, Geological Survey

Enclosures 4
JHopkins:gad 7/10/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.B. 7-13-53

FILE COPY
SURNAME:

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

JUL 13 1953

Mr. C. R. Phillips
Spruce Pine
North Carolina

Re: Docket No. DMEA-3085 - Mica
C. R. Phillips, H. Grindstaff, and
F. Boyd
J. H. Reynolds Mine
Upson County, Georgia

Dear Mr. Phillips:

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, Room 13, Post Office Bldg., Knoxville 2, Tennessee, DMEA Field Team, Region VII, for further consideration and possibly a field examination.

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

Sincerely yours,

C. O. Mittendorf

Administrator

LGHouk:dec 7/10/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk
Operating Committee

R. C. G.
7-13-53

IN REPLY REFER TO:
G-MD-CNM

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

June 22, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 23 1953

Memorandum

REVIEW OF APPLICATION DMEA - 3085 (mica)

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

From: D. M. Larrabee, U. S. Geological Survey

Applicant's name and address: C. R. Phillips, H. Grindstaff, F. Boyd, all of Spruce Pine, North Carolina.

Name of property: J. H. Reynolds mine

Location of property: 2.5 mi. S 70° W of Yatesville, Upson Co., Georgia.

Summary of applicant's proposal: 70' shaft
125' drift

Sources of information on applicant's property:

Georgia Geological Survey Bull. 48, pp. 40-41
U. S. G. S. Professional Paper 248-F, p. 351

Comments:

1. According to the second reference above, the mica is non-ruby.
2. All records indicate this to be a bad operating problem, and difficult shaft sinking.
3. At least at this stage of the game, 125' of drifting is unwarranted.
4. Since the applicant is aware of the 1st reference above, he should indicate the location of his proposed project with respect to the old workings on the map, but it would be better to do so on the second reference.

Recommendation:

Refer to the Field Team.

D. M. Larrabee

D. M. Larrabee

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL - 8 1953

July 8, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3085, Mica, J. H. Reynolds Mine, Upson County, Georgia

No data are available in this office on subject property. It is recommended that the field team visit this property when a member of the field team is in that vicinity to ascertain if an exploration program is justified.

W. F. Dietrich

W. F. Dietrich

June 19, 1953

Mr. C. R. Phillips
Spruce Pine
North Carolina

Subject: DMEA-3085
Re: Exploration Assistance
Reynolds Mine

My dear Mr. Phillips:

The receipt of your application dated June 16, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3085 and referred to the Nonmetallic Minerals Division.

Kindly refer to DMEA-3085 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

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 - 3085
Metal or Mineral
Date Received 6-18-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: C. R. Phillips, Henry Grindstaff, and Fred Boyd all of Spruce Pine, 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 Legal description attached

(*b*) State any mine name by which the property is known. J. H. Reynolds Mine

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

(*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 wish to explore .....

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ 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 June 16, 1953

.....
(Applicant)

By C. R. Phillips

.....

.....

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

MF 103

1. (a) C. R. Phillips, Henry Grindstaff, and Fred Boyd all of Spruce Pine, N. C.

   (b) Partnership, N. C.

2. No Answer.

3. (a) ~~The lease is attached as exhibit A.~~ Legal description Attached

   (b) J. H. Reynolds Mine.

   (c) Owner

   (d) Owner

   (e) Owner no encumbrances.

   (f) Land is held by Landlord. No land patents involved.

4. (a) Physical works set work on map attached as exhibit B.

   (b) This mine has a long history of producing high grade mica suitable for the government stockpile. Reference made to Mica-Bearing Petmatites of Georgia, bulletin number 48, pages 40 and 41. The mica has been examined by the buyer at the Spruce Pine Depot who have appraised it of being of stockpile grade. (Copy of letter attached to application.)

   (c) The present owners of this property, which are the applicants have spent approximately $8500.00 in bulldozing and dragline work at this mine. They have recovered from $3000.00 to $4000.00 of excellent mica. After spending this amount of money and work it has been determined that the mine will have to be worked and explored in a different manner than was originally anticipated . The proposed exploration would be too expensive for the parties to undertake .

   (d) The proposed property is readily accessible in that a good road is within 100 yards of the mine. The mine is located about 3 miles out of Yatesville, Georgia.

   (e) There is ample experienced mining manpower available. Electricity is within 200 yards of the mine. No difficulty is contemplated in obtaining equipment and supplies.

5. (a) It is anticipated that the pegmatite contains additional quantities of Ruby Mica of stockpile grade.

   (b) It is proposed to sink a shaft into hard formation of rock, which can be held to a depth of 70 ft. deep and drift about 125 ft. from the bottom of the shaft to determine the mineralization of the pegmatite dike.

   (c) The work will be started as soon as the contract is approved by the Government. And the work should be concluded within 9 months.

(d) Personal history attached.

6. Estimate of Cost

(a) Independent contractors - None.

(b through H) We proposed a 5 x 7 shaft for a depth of 70 ft. and drift in both directions to determine the mica contents of the vein. It is estimated that the cost involved is as follows:

Sink a 5 x 7 shaft	70 ft. deep	@$50.00 ft.	$3500.00
Drive 150 ft.		@ $35.00 ft.	5250.00
Crosscut	40 ft.	@ $35.00 ft.	1400.00
			$10,150.00

7. (a) Applicant will pay in money the 10% required by regulation.

LYING and BEING in the County of Upson and State of Georgia, adjoining the lands of Milton Hanson, J. Pl Hanson, and others and more particularly described as follows:

FIRST TRACT: Known as the Reynolds Mine, lying and being in the County of Upson, State of Georgia;

BEGINNING at an old Oak snag stump on the dividing lines between the lands now or formerly owned by George Bundenthal, William Miller, and George Mitchell, said stump being southeasterly of the shaft sunk by William Miller upon said lands, and running due north along said line 330 feet to a marked Sumac Bush on said dividing line; thence running south 56 degrees 30 minutes west 223.7 feet to a green stump; thence running south 44 degrees east 279 feet more or less, to the beginning point, said lands containing 0.72 acres, more or less, being in the shape of an irregular triangle. The above description being as contained in deed from RFC to Henry R. Grindstaff, et ux., Myrtle Grindstaff, of the County of Yancey and State of North Carolina, which deed id of record in the office of Clerk of the Superior Court, Upson County, Georgia, in Book of Deed Records No. 112, page 277-8.

SECOND TRACT: Containing one acre, more or less, lying and being in the southeast part of Land Lot #249 in the 11th Land District of Upson County, Georgia, and more particularly described as follows;

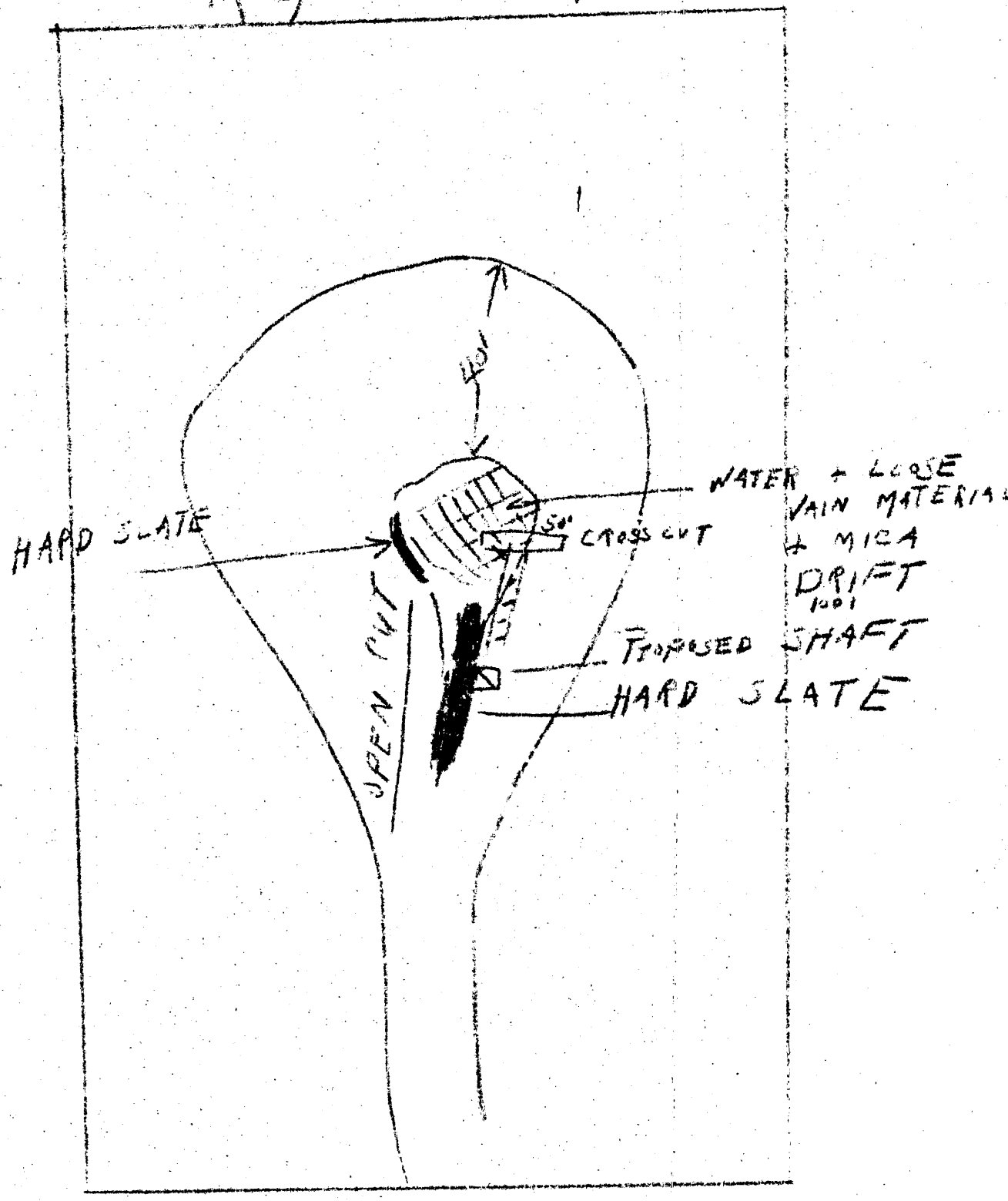
BEGINNING at a point on the original east line of Land Lot No. 249 (which is also the original west line of Land Lot No. 228 in the said 11th District) which point is 66 feet south of the southwest corner of lands of Jesse Nelson, and running thence northwesterly 2 chains to a stake; thence southwesterly (passing a Sweet Gum tree and a Pine tree), 2 chains and 30 feet to a stake near the west side of a private farm road; thence due south 1 chain and 5 feet to a stake set on the north line of lands of Rebecca Edmondson; thence southeasterly along said Edmondson lands 3 chains to the original east line of said Land Lot No. 249; thence northerly along the original east line of said Land Lot No. 249 a distance of 2 chains to the point of beginning.

THIRD TRACT: Two acres, more or less, lying in the west part of the south half of Land Lot No. 228 in the 11th Land District of Upson County, Georgia, and more particularly described as follows;

BEGINNING at a point on the original west line of said Land Lot No. 228, which beginning point is 66 feet south of the southwest corner of lands of Jesse Nelson in said land lot, and running thence due south 420 feet; thence due west 210 feet to original west line of said Land Lot No. 228; and thence north along said original west line of said Land Lot a distance of 420 feet to the point of beginning, which point of beginning is marked by a forked Red Oak tree with four prongs from stump. Said two-acre tract being a part of the lands conveyed to Milton L. Hanson by deed from J. M. McKenzie, dated February 5, 1951; conveyed by Milto L. Hanson to Helen McBee by deed dated January 29, 1953.

All of the three above mentioned tracts are contiguous and adjoin each other, making one whole tract.

REYNOLDS MINE



CECIL R. PHILLIPS

Cecil R. Phillips was born at Estatoe, Mitchell County, North Carolina, December 10, 1909. He attended grammar school in Mitchell County, and in 1931 was graduated from the Bowman High School at Bakersville, North Carolina.

During the years 1931 to 1934 he farmed for his father S. L. Phillips, Sr., the owner of large property holdings in Mitchell County. From 1934 to present he has engaged in the buying and selling of live stock. His live stock business is comparatively light at the present, and might be considered as a side line.

During the years 1941 to 1946 he mined for others, the Abernathy Mine at Bandana, Mitchell County, the Paul Hill Mine in Yancey County, and the Fanny Gouge Mine in Yancey County.

In 1946 he opened a grocery, dry goods, hardware, filling station store at Wing, North Carolina, which store he has operated to the present time.

In 1949 as an invidual, he operated the Willis Mine on the Luther Willis property in Mitchell County. Just this year, he and J. N. Boone as co-partner are operating the Willis Mine.

* * * * * *

References:

Ed Fortner, President,
Mitchell Finance Corp., Spruce Pine, N. C.
Walter Berry, President
Northwestern Bank, Bakersville, N. C.
Walker Blanton, Manager,
A. Blanton Grocery Co., Marion, N. C.

HENRY GRINDSTAFF

M Mr. Henry Grindstaff was borned in Mitchell County, North Carolina, 48 years ago. He has a high school education. Mr. Grindstaff has been in the mining business practically all his life, in the Spruce Pine Mining District and also Georgia.

He has a fine reputation of being an outstanding miner and shrewd business man.

References:

Mr. Ed Fortner
Spruce Pine
N. C.

Mr. Frank Phillips
Spruce Pine
N. C.

Mr. Rom Sparks
Spruce Pine
N. C.

Fred Boyd

Mr. Fred Boyd was borned in Mitchell County, 40 years ago. He has a high school education. Mr. Boyd has been a successfull business man and at the present time he owns a Tourist Court, and several bulldozers and heavy equipment with which he does contract work. He has done a considerable amount of the bulldozing with his own equipment to cut down on the cost.

He has a good reputation in this locality for honesty and integrity.

References are as follows:

Mr. Sam Thompson
Spruce Pine
N. C.

Mr. O. V. Coulter
Spruce Pine
N. C.

Mr. Carl Gunter
Spruce Pine
N. C.

DEPARTMENT OF THE ARMY
Defense Materials Service
JUN 18 1953

COPY

Spruce Pine, North Carolina
June 8, 1953

TO WHOM IT MAY CONCERN:

Mr. S. L. Phillips has submitted samples of mica from the Reynolds Mine and the Joe Person Mine located near Thomaston, Georgia.

We are pleased to advise that these samples are of ruby variety and the mica, if properly prepared, will be acceptable on the government's mica purchasing program.

Yours very truly,

W. S. Flynt, Superintendent
Spruce Pine Mica Depot

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 18 1953

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 3085
Metal or Mineral
Date Received 6-18-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: C. R. Phillips, Henry Grindstaff, and Fred Boyd all of Spruce Pine, 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 Legal description attached

(*b*) State any mine name by which the property is known. J. H. Reynolds Mine

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

(*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 wish to explore .....

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ 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 June 16, 1953

By C. R. Phillips (Applicant)

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

MF 103

1. (a) C. R. Phillips, Henry Grindstaff, and Fred Boyd all of Spruce Pine, N. C.

   (b) Partnership, N. C.

2. No Answer.

3. (a) ~~The lease is attached as exhibit A.~~ Legal description Attached.

   (b) J. H. Reynolds Mine.

   (c) Owner

   (d) Owner

   (e) Owner no encumbrances.

   (f) Land is held by Landlord. No land patents involved.

4. (a) Physical works set work on map attached as exhibit B.

   (b) This mine has a long history of producing high grade mica suitable for the government stockpile. Reference made to Mica-Bearing Petmatites of Georgia, bulletin number 48, pages 40 and 41. The mica has been examined by the buyer at the Spruce Pine Depot who have appraised it of being of stockpile grade. (Copy of letter attached to application.)

   (c) The present owners of this property, which are the applicants have spent approximately $8500.00 in bulldozing and dragline work at this mine. They have recovered from $3000.00 to $4000.00 of excellent mica. After spending this amount of money and work it has been determined that the mine will have to be worked and explored in a different manner than was originally anticipated . The proposed exploration would be too expensive for the parties to undertake .

   (d) The proposed property is readily accessible in that a good road is within 100 yards of the mine. The mine is located about 3 miles out of Yatesville, Georgia.

   (e) There is ample experienced mining manpower available. Electricity is within 200 yards of the mine. No difficulty is contemplated in obtaining equipment and supplies.

5. (a) It is anticipated that the pegmatite contains additional quantities of Ruby Mica of stockpile grade.

   (b) It is proposed to sink a shaft into hard formation of rock, which can be held to a depth of 70 ft. deep and drift about 125 ft. from the bottom of the shaft to determine the mineralization of the pegmatite dike.

   (c) The work will be started as soon as the contract is approved by the Government. And the work should be concluded within 9 months.

(d) Personal history attached.

6. Estimate of Cost

(a) Independent contractors - None.

(b through H) We proposed a 5 x 7 shaft for a depth of 70 ft. and drift in both directions to determine the mica contents of the vein. It is estimated that the cost involved is as follows:

Sink a 5 x 7 shaft	70 ft. deep	@$50.00 ft.	$3500.00
Drive 150 ft.		@ $35.00 ft.	5250.00
Crosscut	40 ft.	@ $35.00 ft.	1400.00
			$10,150.00

7. (a) Applicant will pay in money the 10% required by regulation.

LYING and BEING in the County of Upson and State of Georgia, adjoining the lands of Milton Hanson, J. Pl Hanson, and others and more particularly described as follows:

FIRST TRACT: Known as the Reynolds Mine, lying and being in the County of Upson, State of Georgia;

BEGINNING at an old Oak snag stump on the dividing lines between the lands now or formerly owned by George Bundenthal, William Miller, and George Mitchell, said stump being southeasterly of the shaft sunk by William Miller upon said lands, and running due north along said line 330 feet to a marked Sumac Bush on said dividing line; thence running south 56 degrees 30 minutes west 223.7 feet to a green stump; thence running south 44 degrees east 279 feet more or less, to the beginning point, said lands containing 0.72 acres, more or less, being in the shape of an irregular triangle. The above description being as contained in deed from RFC to Henry R. Grindstaff, et ux., Myrtle Grindstaff, of the County of Yancey and State of North Carolina, which deed id of record in the office of Clerk of the Superior Court, Upson County, Georgia, in Book of Deed Records No. 112, page 277-8.

SECOND TRACT: Containing one acre, more or less, lying and being in the southeast part of Land Lot #249 in the 11th Land District of Upson County, Georgia, and more particularly described as follows;

BEGINNING at a point on the original east line of Land Lot No. 249 (which is also the original west line of Land Lot No. 228 in the said 11th District) which point is 66 feet south of the southwest corner of lands of Jesse Nelson, and running thence northwesterly 2 chains to a stake; thence southwesterly (passing a Sweet Gum tree and a Pine tree), 2 chains and 30 feet to a stake near the west side of a private farm road; thence due south 1 chain and 5 feet to a stake set on the north line of lands of Rebecca Edmondson; thence southeasterly along said Edmondson lands 3 chains to the original east line of said Land Lot No. 249; thence northerly along the original east line of said Land Lot No. 249 a distance of 2 chains to the point of beginning.

THIRD TRACT: Two acres, more or less, lying in the west part of the south half of Land Lot No. 228 in the 11th Land District of Upson County, Georgia, and more particularly described as follows;

BEGINNING at a point on the original west line of said Land Lot No. 228, which beginning point is 66 feet south of the southwest corner of lands of Jesse Nelson in said land lot, and running thence due south 420 feet; thence due west 210 feet to original west line of said Land Lot No. 228; and thence north along said original west line of said Land Lot a distance of 420 feet to the point of beginning, which point of beginning is marked by a forked Red Oak tree with four prongs from stump. Said two-acre tract being a part of the lands conveyed to Milton L. Hanson by deed from J. M. McKenzie, dated February 5, 1951; conveyed by Milto L. Hanson to Helen McBee by deed dated January 29, 1953.

All of the three above mentioned tracts are contiguous and adjoin each other, making one whole tract.

CECIL R. PHILLIPS

Cecil R. Phillips was born at Estatoe, Mitchell County, North Carolina, December 10, 1909. He attended grammar school in Mitchell County, and in 1931 was graduated from the Bowman High School at Bakersville, North Carolina.

During the years 1931 to 1934 he farmed for his father S. L. Phillips, Sr., the owner of large property holdings in Mitchell County. From 1934 to present he has engaged in the buying and selling of live stock. His live stock business is comparatively light at the present, and might be considered as a side line.

During the years 1941 to 1946 he mined for others, the Abernathy Mine at Bandana, Mitchell County, the Paul Hill Mine in Yancey County, and the Fanny Gouge Mine in Yancey County.

In 1946 he opened a grocery, dry goods, hardware, filling station store at Wing, North Carolina, which store he has operated to the present time.

In 1949 as an invidual, he operated the Willis Mine on the Luther Willis property in Mitchell County. Just this year, he and J. N. Boone as co-partner are operating the Willis Mine.

* * * * * *

References:

Ed Fortner, President,
Mitchell Finance Corp., Spruce Pine, N. C.
Walter Berry, President
Northwestern Bank, Bakersville, N. C.
Walker Blanton, Manager,
A. Blanton Grocery Co., Marion, N. C.

HENRY GRINDSTAFF

M Mr. Henry Grindstaff was borned in Mitchell County, North Carolina, 48 years ago. He has a high school education. Mr. Grindstaff has been in the mining business practically all his life, in the Spruce Pine Mining District and also Georgia.

He has a fine reputation of being an outstanding miner and shrewd business man.

References:

Mr. Ed Fortner
Spruce Pine
N. C.

Mr. Frank Phillips
Spruce Pine
N. C.

Mr. Rom Sparks
Spruce Pihe
N. C.

Fred Boyd

Mr. Fred Boyd was borned in Mitchell County, 40 years ago. He has a high school education. Mr. Boyd has been a successfull business men and at the present time he owns a Tourist Court, and several bulldozers and heavy equipment with which he does contract work. He has done a considerable amount of the bulldozing with his own equipment to cut down on the cost.

He has a good reputation in this locality for honesty and integrity.

References are as follows:

Mr. Sam Thompson
Spruce Pine
N. C.

Mr. O. V. Coulter
Spruce Pine
N. C.

Mr. Carl Gunter
Spruce Pine
N. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

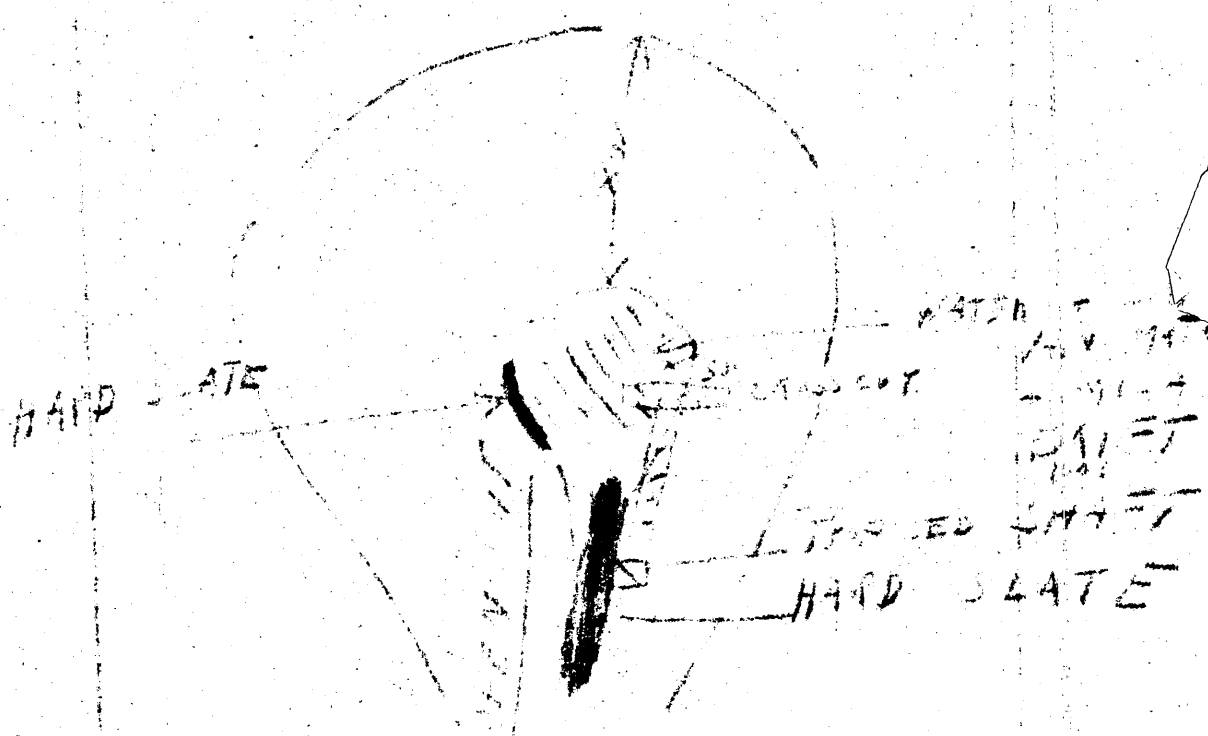
OFFICIAL BUSINESS

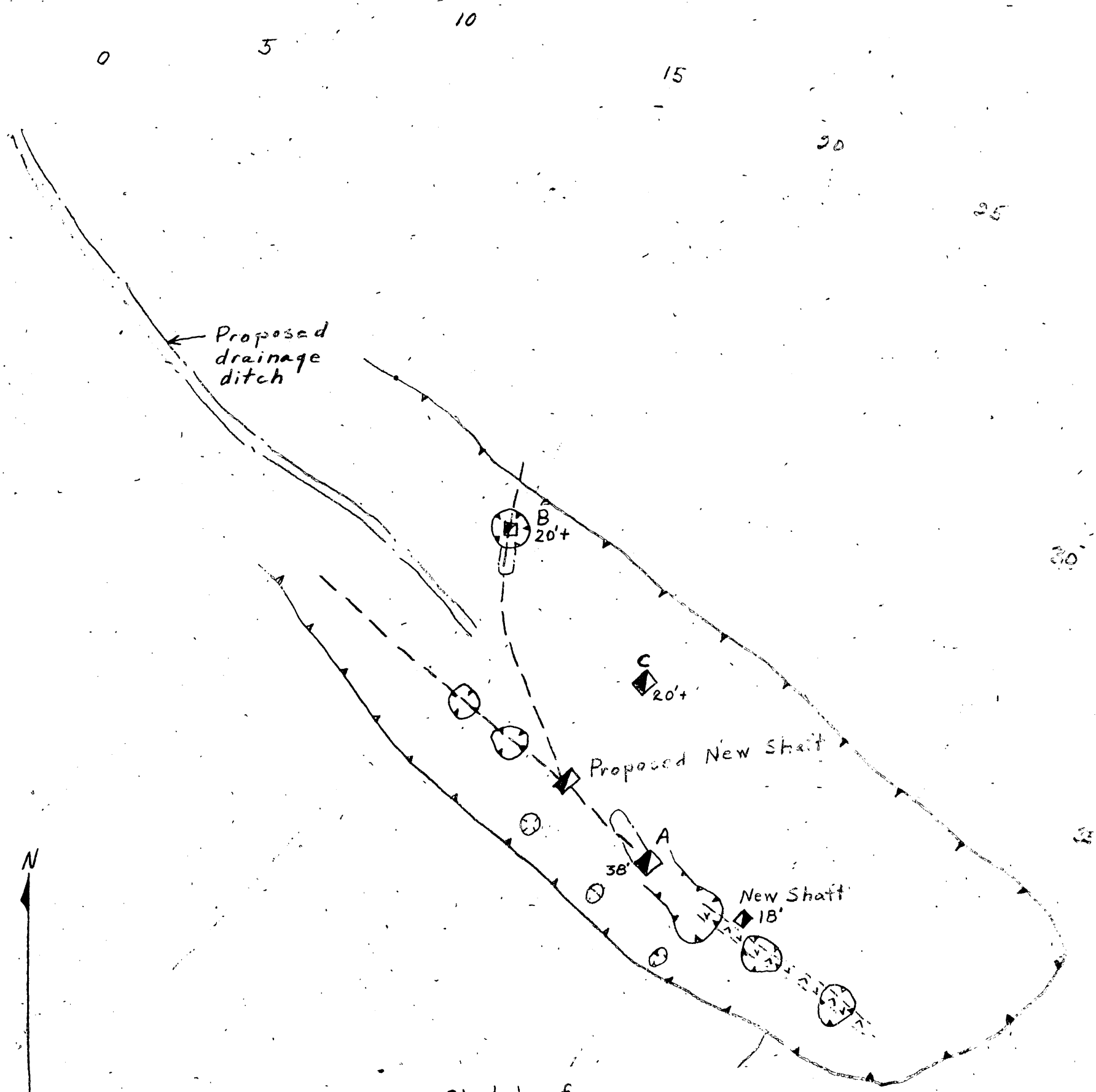
(PMGC)

Defense Minerals Exploration Administration

Interior Bldg.

Washington 25, D.C.

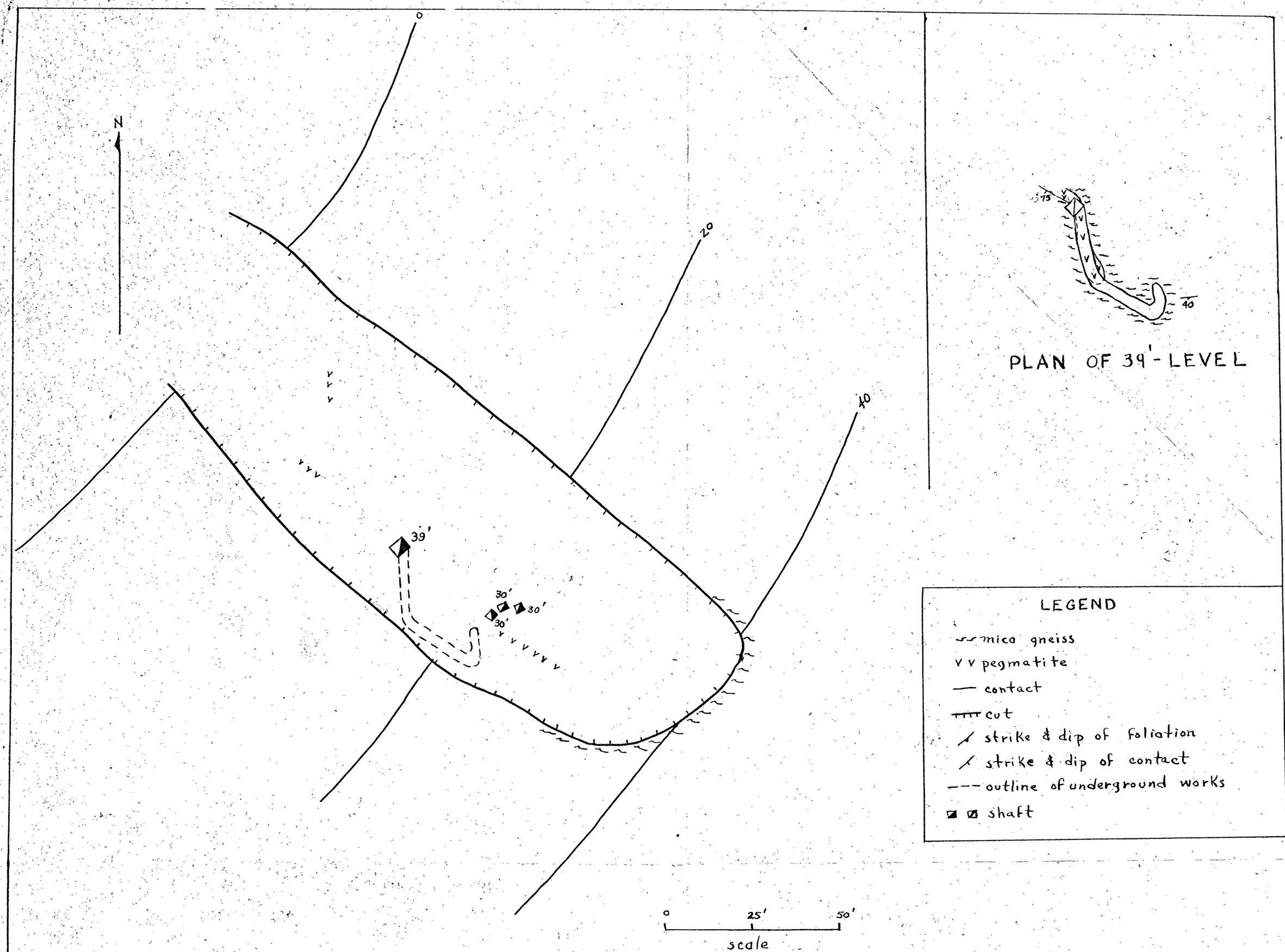

HARD PALATE
HARD PALATE



Sketch of
J. H. Reynolds Mine
Upson Co., Ga.

0 25 50
Scale

DMEA-3085 (mica)



SKETCH OF
REYNOLDS MINE
UPSON CO., N.C.

DMEA - 3085 (mica)