DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Edwin Herbert Schumb
P. O. Box 55
Yatesville, Georgia

pertaining to Exploration Project Contract No. Idm-E886, Docket No. DMEA-3945, for the months of November 1955, to February 1956, inclusive, covering a project for the exploration of mica on property, known as the Duke Mine located in Upson County, Georgia.

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

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

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

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

Total cost as billed by Contractor		$5,524.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$5,524.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Four thousand one hundred forty-three and no/100 Dollars

$4,143.00

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

E. D. Talbert, Auditor

April 17, 1956

Division Copy

RECEIVED

OCT 26 1955

MF-200A
(Revised June 1954)

Docket No. DMEA [redacted]

Commodity [redacted]

Contract No. Idm-E 886

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this OCT 6 1955 day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] [redacted],

whose mailing address is [redacted],
hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and [redacted].

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of [redacted], County of [redacted], and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] [redacted] of [5] [redacted] in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] ....., [7] ....recorded in Book ....., page ....., official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: [redacted]

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: .....

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of [illegible] The work to be performed is described in Exhibit "A." The Operator on or before NOV 15 1955 shall commence the work, and on or before [illegible] (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work. [illegible]

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $[illegible] The Government will contribute [illegible] percent of the fixed unit costs as work is performed, in a total sum not in excess of $[illegible]: *Provided,* That until the Operator has rendered to the Government his final report, and any final 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 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records or accounts.

ARTICLE 7. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 6) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

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

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

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

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

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 8 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 9. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 10. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

[illegible]

(Operator)

By Felix Herbert Salazar

THE UNITED STATES OF AMERICA

By Frank E. Johnson

ACTING Administrator, Lease Mineral Exploration Administration

Austin

"Appd. Spl. Off."

Anderson

J. Kearney

Talbot

Selfridge

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—70618-1

RECEIVED
OCT 26 1955

EXPLORATION PROJECT CONTRACT
EDWIN HERBERT SCHWAB
DOCKET NO. DMEA-3945

ANNEX I

The land referred to in Article 2 of the contract form is known as the Duke Mine. It is located on the Waymansville Road - 7 miles southwest of Yatesville, Upson County, Georgia, and is described in the application as follows:

> Parts of Lots 1 and 50 in the 16th Land District and part of Lot 323 in the first Land District; bounded on the north by Tobler Creek, on the east by T. J. Mitchell land, on the south by Waymansville Road, and on the west by Tobler Creek.
>
> The land is described in a deed to F. H. Duke recorded in Deed Book 85 at page 78 etc., and consists of 100 acres more or less.

RECEIVED
OCT 26 1955

EXPLORATION PROJECT CONTRACT
EDWIN HERBERT SCHWAB
DOCKET NO. DMEA-3945

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished in the area indicated on the map entitled "Figure 123.--Map of the Duke Mine, Upson County, Ga.," attached hereto and made a part hereof, as follows:

The work is divided into two stages as indicated below. The Operator shall perform Stage I, and shall perform as much of Stage II as the Government approves in writing.

Stage I

With a model D-7 caterpillar tractor w/dozer or equivalent unit, cut a trench along the strike of the pegmatite approximately 325 feet long by 20 feet wide by 4 feet deep.

Stage II

1. Construct:

   (a) A toolhouse, minimum dimensions 7 feet by 8 feet by 10 feet.

   (b) A powder storage magazine, minimum dimensions 4 feet by 3 feet by 2½ feet.

   (c) An exploder storage magazine, minimum dimensions 2 feet by 1½ feet by 1 foot.

The toolhouse may be unfloored; shall be made from rough, unfinished lumber, with protective roof covering; and shall be equipped with lock and key.

The powder and exploder magazines shall be boxed on all sides; shall be made from 2-inch hardwood or 3-inch softwood lumber; and shall be braced at the corners. No metal shall be exposed; and the lids or doors shall be securely locked with the equivalent of a 5-tumbler jarproof lock.

2. Sink on the pegmatite not more than 50 feet of a 2-compartment, inclined shaft.

3. Explore the pegmatite by driving from the shaft (item 2) not more than 80 feet of drifts and/or crosscuts.

The shaft and the drifts and/or crosscuts shall be timbered as necessary and shall have minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

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

FIXED UNIT COSTS

Bulldozing trench - 30 hours @ $12.00 hr.	$ 360.00
Constructing - Toolhouse 1/	76.00
Powder magazine 1/	25.00
Exploder magazine 1/	13.00
Sinking 50 feet of inclined shaft @ $45.00/ft.	2,250.00
Driving 80 feet of drifts and/or crosscuts @ $35.00/ft.	2,800.00
Estimated total cost of project	$5,524.00
Government participation @ 75%	4,143.00

1/ The completed work constitutes the unit.

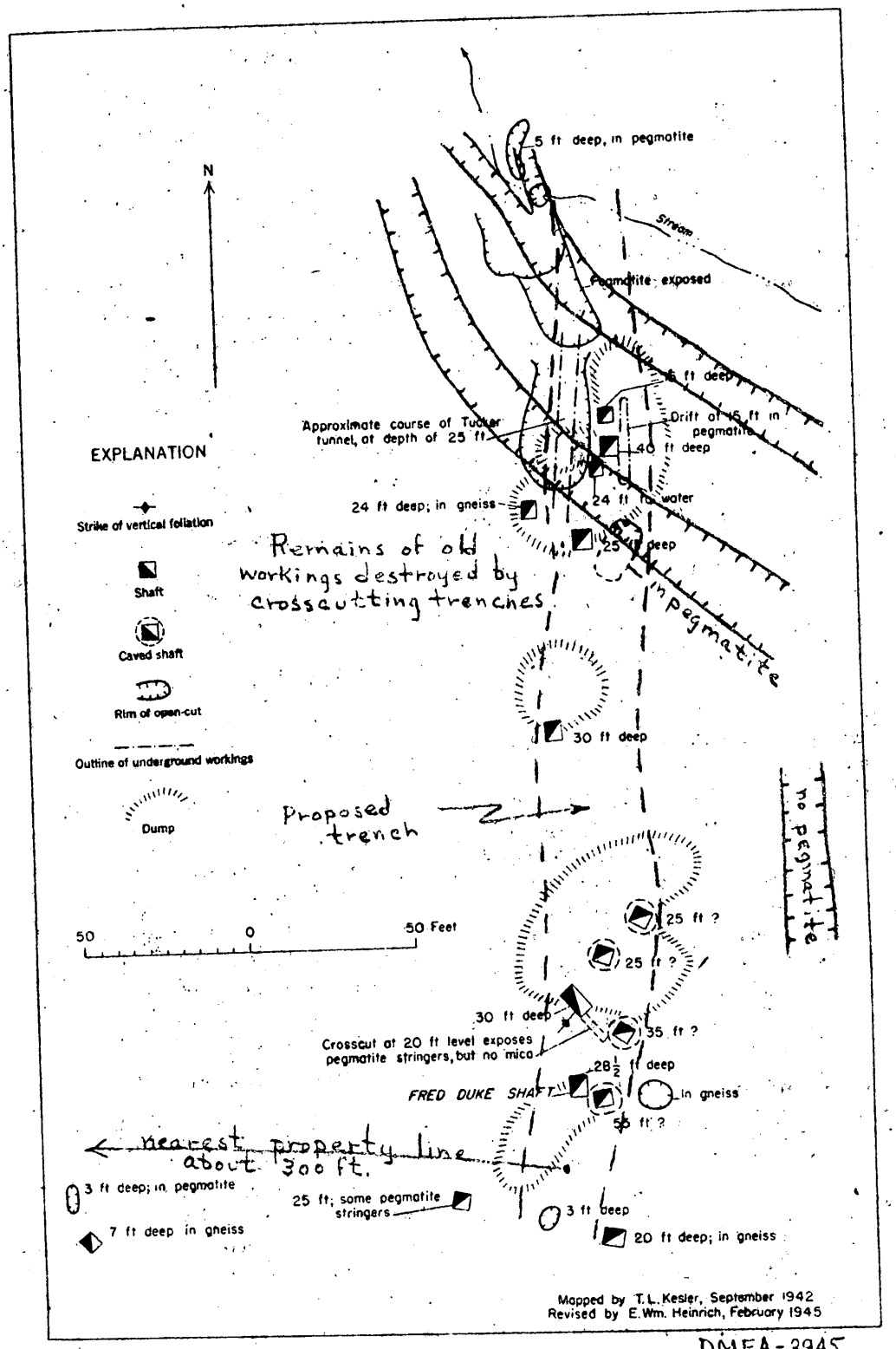

FIGURE 123.—Map of the Duke mine, Upson County, Ga.

DMEA-3945
Sept. 2, 1955

DMEA-3945 CLOSING LETTER TO OPERATOR 3/10/57

Project Summary Report

March 5, 1957

By: Walter C. Anderson

1. Docket No. DMEA-3945-mica
   Contract No. Idm-E886
   Duke Mine
   Upson County, Georgia

   Application: Form MF-103 (April, 1952) received August 9, 1955
   Work proposed by applicant:
   For work which included bulldozing and shaft sinking $3,510 was requested. The extent of bulldozing and shaft sinking was not specified.

   Operator: Edwin Herbert Schwab
   P. O. Box 55
   Yatesville, Georgia

   Operator's Property Rights:
   Owner of mineral rights

2. Contract: Form MF-200A(June, 1954), dated October 6, 1955
   Work authorized:

Bulldozing trench - 30 hrs. @ $12/hr.	$ 360.00
Construction new buildings	114.00
Sinking 50 feet of shaft @ $45/ft.	2250.00
Driving 80 feet of drifts and/or crosscuts @ $35/ft.	2800.00
Estimated total cost ofproject	$5524.00
Government participation @ 75%	$4143.00

   Amendments: none

   Work Completed:
   Same as authorized

Project began October 26, 1955 and ended February 29, 1956.
Field Team Final Report received April 11, 1956.
Operator's Final Report received March 29, 1956.
Mica production including final sale dated November 20, 1956 amounted to value of $6,651.40 for which royalties totalling $332.57 have been paid.

3. Audit:
Report of Review issued April 17, 1956:

Total accepted cost	$5,524.00
Government participation @ 75%	$4,143.00

4. Certification of Discovery - none issued

5. Comments:

How conducted:
All of the work in which the Government participated was acceptable.

Operation:
Good

Engineering:
Operator's monthly progress reports were fairly good.

Geological Criteria upon which work was based:
1. Pegmatite - 2 to 15 feet thick, unzoned, conformable to enclosing biotite gneiss.
2. Mica - ruby, hard, flat and clear. In general, of excellent quality
3. Past production

Criteria developed during project:
1. Pegmatite - maximum thickness 20 feet, fine-grained, weathered, unzoned, conformable to enclosing weathered biotite gneiss. Contains kaolinized feldspar, quartz, muscovite, biotite and sericite.
2. Mica - Ruby, hard, free-splitting, generally of excellent quality. The mica-rich zone pinched out below the 20-foot level. No reserves can be inferred.

Future possibilities:
None

Recommendations:

Since the mica zone pinched out below the 20-foot level and no reserves can be inferred, the Field Team recommends that the project not be certified. The Nonmetallic Minerals Division and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson
Nonmetallic Minerals Division

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

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

WASHINGTON 25, D. C.

EXTRA COPY DMEA RECEIVED JAN 30 1957		
DATE	INITIALS	CODE
1-30	C	220
1-30	[illegible]	600

January 28, 1957

Memorandum

To: Operating Committee, DMEA- Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Docket No. DMEA-3945, Idm-E886-mica. Duke Mine, Upson County, Georgia.

Reference is made to your letter of January 18, concerning sales of mica from the subject mine.

Mr. Sam L. Phillips and others purchased the lease of this property from Edwin H. Schawb. Mr. Phillips advised this office that all mica produced from the property has been sold. The final sale was made November 20, 1956 and royalty paid to date.

V. J. Lynch

VJL/zm
cc
Lynch
Files

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

WASHINGTON 25, D. C.

EXTRA COPY DMEA RECEIVED JAN 30 1957		
DATE	INITIALS	CODE

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V. J. Lynch

VJL/sm
cc
Lynch
Files

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

600

JAN 18 1957

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

Re: Docket No. DMEA-3945-Mica
Edwin Herbert Schwab
Duke Mine
Upson County, Georgia
Contract No. Ida-2886

Dear Mr. Laurence:

Reference is made to our letter of October 15, 1956, concerning sales of mica produced from the subject property.

We wish to inquire if the two sales of November 20, 1956, are the final sales of the production during the life of the project and up to September 26, 1956. If so, we will write a closing letter to the Operator.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

O. M. Bishop

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

WCAnderson:gad 1/15/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

A

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 413 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

December 13, 1956

RECEIVED DEC 14 1956 D.M.E.A.

Memorandum

To: Finance Officer, Region V ~~R~~(DMEA)

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

Subject: Royalty Payment - Idm-E886, DMEA-3945(mica) Sam L. Phillips, Assignee, Duke Mine, Upson County, Georgia

Transmitted is a bill-of-sale in the amount of $66.21, and a check No.155 for 5% royalty on the sale in the amount of $3.31.

Robert A. Laurence

x

Lynch
Mittendorf
Shirley
Files

Copy

GENERAL SERVICES ADMINISTRATION
FINAL SETTLEMENT

ica Purchasing Depot, Spruce Pine, N. C.

Date Purchased 11-20-56

Acceptance No. 838 (a)

ificate
horization No. 153A LOT No. SP- 838 (a)

VOUCHER No.

	TOTAL Wt. Lb	Lbs-G.S.	Lbs-Stained	Lbs-Hy-Stained	Total Value
ocessed for yment	10.07	3.62	5.60	.85	147.11
No rocessed Pay't					
THINS					
BLACK Dots Spots Stains					
Undersized					
Process- ~~Gain~~ Loss	.06				
Total Lbs Purchased	10.13				

Less: Initial Payment - Voucher No.		Sch. No.	80.90
Balance Due:	Government:	Seller:	66.21

Seller's Name
Address: Edwin H. Schawk
(Sam L. Phillips)
Spruce Pine, N.C.

NAME OF MINE: Duke

DMEA No. 3945 Idm-E 886

County: Upson State: Georgia

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

A

December 5, 1956

Memorandum

To: Finance Officer, DMEA - Region V -

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

Subject: Royalty Payment - DMEA-3945, Idm-E886 (mica)
Sam L. Phillips, Duke Mine, Upson County, Georgia

Transmitted is a bill-of-sale in the amount of $80.90, and a check for 5% royalty in the amount of $4.04 to be credited to the subject contract.

V. J. Lynch

ZM.
cc
Lynch
Mittendorf
Files

RECEIVED
DEC 12 1956
D.M.E.A.

Copy

GENERAL SERVICES ADMINISTRATION WARRANTY, ACCEPTANCE AND INVOICE MICA PURCHASING DEPOT, SPRUCE PINE, N. C.		DATE PURCHASED: 11-20-56 ACCEPTANCE NO:
CERTIFICATE AUTHORIZATION No. EPS-4-153 A	LOT No. 2	VOUCHER No. ✓
RUBY X NON-RUBY	TOTAL LBS. PURCHASED	VALUE - INITIAL PAYMENT
PRELIMINARY PAYMENT	10.13	80.90
GENERAL SERVICES ADMINISTRATION		
By:	NAME OF MINE: Duke	State: Georgia County: Upson
	DMEA No. 3945 Idm-E 886	
	Seller: Sam L. Phillips	
	Address: Spruce Pine, N. C	

Royalty check No. 152
$4.04

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

RECEIVED
OCT 22 1956

October 19, 1956

A

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3945, Idm-E886-Mica. Edwin Herbert Schawb, Yatesville, Ga. Duke Mine, Upson County, Ga.

Reference is made to your letter of October 15.

Following is a list of all sales of which we have knowledge, between October 6, 1955 (contract date) and September 26, 1956.

4-6-56 to	GSA -	21.00	lbs	$245.29
4-19-56	" -	36.39	"	616.78
5-4-56	" -	15.11	"	184.75
7-5-56	" -	254.11	"	4417.46
		Subtotal.....		$5464.28
8-4-56	Scrap	5580	lbs.	88.20
8-4-56	Punch	5000	"	75.00
8-4-56	Scrap	1000	"	15.00
		Total....		$5642.48

We have had no opportunity to visit and inspect the mine since last spring. We are writing the Operator to inquire if there has been any production since July. Records at the GSA Depot do not indicate any purchases from the Duke Mine after July 5, 1956.

A recheck of our royalty records indicates that we have been paid twice on the $245.29 and $616.78 sales.

V. J. Lynch
Member, Bureau of Mines

Robert A. Laurence
Executive Officer, DMEA-Region V

RECEIVED
OCT 22 1956

October 19, 1956

Mr. E. H. Schwab
P.O. Box 55
Yatesville, Georgia

Re: DMEA-3945, Idm-E886-Mica
Duke Mine, Upson County, Ga.

Dear Mr. Schwab:

In order to complete our records on the Duke mine, we need to know how much mica was produced between October 6, 1955 (the contract date) and September 26,1956. Royalty is due on all mica mined during that period, even though it may not be sold until a later date.

We have received royalty payments on the following:

To GSA -	4-16-56	21.00 lbs	$245.29
"	4-19-56	36.39 "	616.78
"	5-4-56	15.11 "	184.75
"	7-5-56	254.13 "	4417.46
Scrap	8-4-56	5580 lbs	88.20
Punch	8-4-56	2 1/2 tons	75.00
Scrap	4-4-56	1/2 ton	15.00
		Total	$5,642.43

If there has been production in addition to what is listed above, please advise me.

Very truly yours,

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

RAL/xm
cc
Opr. Com.2
Lynch
Shirley
Files

Operating Committee

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

RECEIVED
OCT 22 1956

October 19, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3945, Idm-E886-Mica. Edwin Herbert Schawb, Yatesville, Ga. Duke Mine, Upson County, Ga.

Reference is made to your letter of October 15.

Following is a list of all sales of which we have knowledge, between October 6, 1955 (contract date) and September 26, 1956.

4-6-56 to GSA	-	21.00	lbs	$245.29
4-19-56 "	-	36.39	"	616.78
5-4-56 "	-	15.11	"	184.75
7-5-56 "	-	254.11	"	4417.46
		Subtotal.....		$5464.28
8-4-56 Scrap		5580	lbs.	88.20
8-4-56 Punch		5000	"	75.00
8-4-56 Scrap		1000	"	15.00
		Total....		$5642.48

We have had no opportunity to visit and inspect the mine since last spring. We are writing the Operator to inquire if there has been any production since July. Records at the GSA Depot do not indicate any purchases from the Duke Mine after July 5, 1956.

A recheck of our royalty records indicates that we have been paid twice on the $245.29 and $616.78 sales.

V. J. Lynch
Member, Bureau of Mines

Robert A. Laurence
Executive Officer, DMEA-Region V

IN REPLY REFER TO:

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

RECEIVED
OCT 19 1956

October 18, 1956

Re: DMEA 3945, Idm E-886
E. H. Schwab
Duke Mine
Upson Co., Georgia
$5,524 - Mica

Memorandum

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

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

Subject: Review of Field Team final report.

The contract approved the expenditure of $5,524 for the further exploration of a 20-foot pegmatite on which much work has been done and considerable mica recovered. Reports of past production show a range of $38,000 -- $2,000 to $40,000.

The work done consists of a bulldozed trench, test pits, a 50-foot shaft, 23 feet of crosscut and 63 feet of drifting. The cost equaled the sum approved.

In the course of the work, mica to the value of $1,500 (estimated) was recovered and the estimated value of the reserves is $1,000. The larger part of the mica recovered came from the trench, upper part of the shaft and the northern end of the drift. A pitching ore shoot related to an undulating hanging wall is suggested. The figures afforded do not inspire a close analysis and estimate of the potential of the pegmatite but do give the impression the mica shoot has more value than - by inference - is ascribed to it.

The examiners and the Field Team recommend that no certification be made.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

Copy to: Director's Reading 4212
Branch Reading 4212
DMEA (3)
Docket File
Chron File
W. F. Dietrich 3061

Nelson:baf
G: 10/18/56

OCT 15 1956

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

Re: Docket No. DMEA-3945-Mica
Edwin Herbert Schwab
Duke Mine
Upson County, Georgia
Contract No. Idm-E836

Dear Mr. Laurence:

Reference is made to the subject contract which was completed on February 29, 1956, and which the Field Team recommended not be certified.

Before we write a closing letter, we would appreciate having a report on the status of this project including value of production and sales of mica up to September 26, 1956, the final date for certification and whether there are any unpaid royalties due the Government.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

WCAnderson:gad 10/11/56

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

600 SEP 20 1956

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

Subject: Docket No. DMEA-3945-Mica
Edwin Herbert Schwab
Duke Mine
Upson County, Georgia
Contract No. Dim-2886

Dear Mr. Lawrence:

Reference is made to your memorandum of September 5, 1956, to the Operating Committee relating to the subject contract and commenting on a "significant discovery" with respect to making a recommendation for certifying a discovery or development.

You mention that there is still no precise definition of a "significant discovery". To attempt to write such a definition to fit the various conditions under which the many strategic and critical minerals occur is of course absurd. In general each case must be considered on an individual basis. The importance of the possible production that may result from the project should be taken into account. For some mineral deposits a few tons might not be of any significance but for others this amount would be a major discovery. Certainly, if the deposit found could be profitably exploited, it should be considered as a "significant discovery". It should also be so classed if the deposit found compared favorably in grade, size, and value with the usual type of such deposits found and mined in the United States. Also, although a deposit might not be commercial under present conditions, if it appears likely to become commercial within a period of 10 years from the date of the contract through changing conditions, such as increased prices, emergency use, or metallurgical improvements, then it might be considered as a "significant discovery". The determination is a matter of good judgment for which we must rely upon the Field Teams based upon the training and experience of those making the recommendations.

Many cases seem to be of a borderline nature. In order to assist you in making a determination in such cases insofar as mica is concerned, it is suggested that the following criteria be used as a guide:

(1) Persistence and strength of the pegmatite.

(2) Favorableness of geological environment for mica-bearing pegmatite.

(3) Mode, continuity, quantity, and quality of the mica occurrences.

(4) Importance of possible production -

(a) Quantity, grade, and value.
(b) Compare with usual productive mica mines.
(c) Possibility of commercial exploitation.

If the Field Team's appraisal of the productive potential of a discovery or development of mica indicates that several hundred dollars might be paid to the Government in royalties, then the project should be certified as a discovery or development. After the property is no longer productive or at some future time it appears that the Government will receive no more royalties upon recommendation from the Field Team approval can be given for discontinuing the semi-annual reports on the property.

With regard to the last paragraph of your memorandum, there appears to be a misunderstanding concerning the results of work performed by the operator subsequent to completion of the exploration project work. Certification is based upon the Government's opinion that a discovery or development from which production may be made has resulted from the work performed under the project. That means if the DMEA work has found ore (mica) or made ore (mica) accessible so that it (mica) may be produced (not necessarily at a profit), the project will be certified. Therefore, if mica has not been found or the work has not reached a point where mica is accessible for mining, a certification would not be issued. On the other hand, if mica had been found or made accessible; but the extent was not sufficient to determine if production is feasible, then we should wait out the period within the time limits for certification for the results of mining operations by the operator. His mining operations might give some information as to the extent and production possibilities of the property on which to base a certification decision, especially in the borderline cases.

We trust the foregoing will aid you in the problems of making recommendations on some of your cases.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

P. F. Yopes

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

FEJohnson:LGHouk:gad 9/18/56

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

DRAFT
FEJohnson/bih
9/13/56

DMEA-3945 (Mica)

Mr. Laurence:

Reference is made to your memorandum of September 5, 1956, to the Operating Committee relating to the subject contract and commenting on a "significant discovery" with respect to making a recommendation for certifying a discovery or development.

You mention that there is still no precise definition of a "significant discovery". To attempt to write such a definition to fit the various conditions under which the many strategic and critical minerals occur, is of course absurd. In general each case must be considered on an individual basis. The importance of the possible production that may result from the project should be taken into account. For some mineral deposits a few tons might not be of any significance but for others this amount would be a major discovery. Certainly, if the deposit found could be profitably exploited, it should be considered as a "significant discovery". It should also be so classed if the deposit found compared favorably in grade, size, and value with the usual type of such deposits found and mined in the United States. Also, although a deposit might not be commercial (under present conditions, if it appears likely to become commercial) within a period of 10 years from the date of the contract through changing conditions, such as increased prices, emergency use, or metallurgical improvements, then it might be considered as a "significant discovery". The determination is a matter of good judgement for which we must rely upon the Field Teams based upon the training and experience of those making the recommendations.

Docket No. _____

Commodity _____

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E ____

Date of Contract or Amendment:

Name and Address of Operator:

Amount of Government participation _____ $

Percent of Government participation _____ %

Region: State:

_____
(Name)

_____
(Title)

Date Delivered to Bureau of Mines, Washington.

54458

Many cases seem to be of a borderline nature. In order to assist you in making a determination in such cases insofar as mica is concerned, it is suggested that the following criteria be used as a guide:

(1) Persistence and strength of the pegmatite.

(2) Favorableness of geological environment for mica-bearing pegmatite.

(3) Mode, continuity, quantity, and quality of the mica concurrences.

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(a) Quantity, grade, and value.

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Docket No. _____

Commodity _____

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Percent of Government participation _____ %

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(Name)

_____
(Title)

Date Delivered to Bureau of Mines, Washington.

54458

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We trust the foregoing will aid you in the problems of making recommendations on some of your cases.

Sincerely yours,

Chairman, Operating Committee

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

Docket No. _____

Commodity _____

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

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Amount of Government participation _____ $

Percent of Government participation _____ %

Region: State:

_____
(Name)

_____
(Title)

Date Delivered to Bureau of Mines, Washington.

54458

4

RECEIVED
SEP - 7 1956

September 5, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3945, Idm-E886 (mica) Edwin H. Schwab, Yatesville, Ga.
Duke Mine, Upson County, Georgia

Reference is made to your letter of August 29.

Although none of our staff has visited the Duke Mine recently, it is our understanding that all the mica produced after completion of the contract was taken from the open cut, 20 to 40 feet south of the contract shaft. This is mica which was known at the time of completion of the contract and was included in the reserve estimates, although apparently the dollar value of those reserves was underestimated.

This contract is one of those marginal cases where a recommendation either for or against certification is difficult to justify, as there is still no precise definition of a "significant discovery." On the basis of discovering a deposit which the Operator can work and from which he can produce some mica, this would qualify. On the other hand, it seems unlikely that it will yield $1000 in royalty, which is estimated to be the minimum cost to the Government of carrying a certified project on the records for 10 years, and therefore on that basis it would not qualify.

It is still our opinion that, in comparison with other contracts of the past two years, the Duke mine does not warrant certification.

We are puzzled by your question whether "subsequent mining activity possibly has resulted in sufficient additional reserves to warrant certification." We have thought that certification had to be based on the results of the contract alone, and that we could not wait to see what additional reserves the Operator discovered by his own efforts before deciding on our recommendation. If we are wrong in that belief, please advise us, as there may be other contract where a few months' waiting period would afford a better basis for certification.

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

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

RAL/sm

RECEIVED
SEP 7 1956

September 5, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-3945, Idm-E886 (mica) Edwin H. Schwab, Yatesville, Ga.
Duke Mine, Upson County, Georgia

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Member,
Bureau of Mines

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

RAL/am

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

RECEIVED
SEP - 6 1956

RECEIVED
SEP - 6 1956

September 4, 1956

Memorandum

To: Helen Miller - (Finance Office) Norris - Region V

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

Subject: Royalty Payments

Transmitted are bills-of-sale and royalty checks on the following:

Item	Docket No.	Amt. of Sales	Amount of Royalty	
E-886	DMEA-3985	$1,225.02	$61.25	
E-814	DMEA-3740	209.08	10.45	
E-687	DMEA-3256	317.46	15.86	Money Order
E-626	DMEA-3133	456.65	(22.83	Ck No.132
E-626	DMEA-3133	832.45	(41.62	Ck No.133
E-626	DMEA-3133	885.24	(44.26	Ck No.134
[redacted]	[redacted]	[redacted]	[redacted]	

Robert A. Lawrence

ZK
cc:
Mitendorf
Lynch
Files

245.29
88.20
90.00

423.49
184.75
616.78

1225.02
05
61.25 ~~12~~

Copy

RECEIVED
SEP - 6 1956

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

Authorization No. 1600A Acceptance No. 1019 Date: 4-6-56

Seller: Duke Mining Co

Mine: Duke
Georgia

DMEA No. 3945- DdmE-886

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb.	Amount
Good Stained & Better Grades No. 3 & larger					$70.00	
No. 4 and 5				2.92	$40.00	116.80
No. 5½ and 6				3.87	$15.00	58.05
Stained No. 3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00		1.95	$ 8.00	15.60
No. 5½ and 6		$ 3.00		9.03	$ 5.00	45.15
Heavy Stained No. 3 & larger		$ 8.00			$13.00	
No. 4 and 5		$ 4.00			$ 6.00	
No. 5½ and 6		$ 2.00		3.23	$ 3.00	9.69
LOT TOTALS		//////			//////	
TOTAL		/////		21.00	/////	245.29

Aug. 4, 1956 - Sold to English Mica Co
5880 lbs. @ $30/ton - - - - - - 88.20
1 ton punch @ $30/ton
1½ " " @ 45/ton } - - - - - - - - - 90.00
½ " Scrap @ 15/ton
$ 423.49

Copy

RECEIVED
SEP - 6 1956

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

Authorization No. 1600A Acceptance No. 1104 Date: 5-4-56

Seller: Duke Mining Co (E.H. Schwab)

Mine: Duke, Georgia DMEA No. 3945, Idm E 886

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb.	Amount
Good Stained & Better Grades No. 3 & larger					$70.00	
No. 4 and 5				56	$40.00	22.40
No. 5½ and 6				8.84	$15.00	132.60
Stained No. 3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00		62	$ 8.00	4.96
No. 5½ and 6		$ 3.00		4.58	$ 5.00	22.90
Heavy Stained No. 3 & larger		$ 8.00			$13.00	
No. 4 and 5		$ 4.00		12	$ 6.00	72
No. 5½ and 6		$ 2.00		39	$ 3.00	1.17
LOT TOTALS		//////			//////	
TOTAL		/////		15.11	/////	184.75

copy

RECEIVED
SEP - 6 1956

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

Authorization No. 1600 A Acceptance No. 1060 Date: 4-19-56

Seller: E. H. Schwab (Duke Mining Co)

Mine: Duke DMEA No. 3945, Dane 886

Georgia

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb.	Amount
Good Stained & Better Grades No. 3 & larger				18	$70.00	12.60
No. 4 and 5				6.53	$40.00	261.20
No. 5½ and 6				17.81	$15.00	267.15
Stained No. 3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00		5.12	$ 8.00	40.96
No. 5½ and 6		$ 3.00		5.63	$ 5.00	28.15
Heavy Stained No. 3 & larger		$ 8.00			$13.00	
No. 4 and 5		$ 4.00		1.12	$ 6.00	6.72
No. 5½ and 6		$ 2.00			$ 3.00	
LOT TOTALS		//////			//////	
TOTAL		/////		36.39	/////	616.78

600

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

Re: Docket No. DMEA-5945-mica
Edwin Herbert Schumb
Duke Mine
Upson County, Georgia
Contract No. Idm-3886

Dear Mr. Laurence:

Reference is made to the subject contract which was completed on February 29, 1956, and which the Field Team recommended not be certified.

Production from this mine since contract completion has resulted in the sales of $5,279.53 worth of mica to the Government Depot, and does not include possible sales of scrap mica. In the Field Team's final report, the estimated value of mica produced during the project and reserves was given as $2,500.00 Does the mica sold to date represent the processed mica produced during the contract, or has there been subsequent mining activity that possibly has resulted in sufficient additional reserves to warrant certification?

We will appreciate receiving a report on the status of this project before the expiration of the time within which certification may be made, which is September 26, 1956.

Sincerely yours,

Approved:

Frank D. Lamb

Member, Bureau of Mines

W. P. Williams

Member, Geological Survey

George C. Selfridge

Chairman, Operating Committee

WCAnderson:ms 8/27/56

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

RECEIVED
AUG 13 1956

August 9, 1956

Memorandum

To: Helen Miller, Ass't Administrative Officer-Reg.V

From: Executive Officer, DMEA -RegionV

Subject: Royalty Payment - Idm-E886,DMEA-3945,E.H.Schawb, Duke Mine - Upson County, Georgia

Transmitted is a bill-of-sale in the amount of $$1193.86 — and a check in the amount of $59.69 representing the Government's 5% royalty.

Robert A. Laurence

ZM.

cc:
Mittendorf
Lynch
Files
Shirley

COPY

COPY

Miltendorf

RECEIVED
AUG 13 1956

GENERAL SERVICES ADMINISTRATION
FINAL SETTLEMENT
Mica Purchasing Depot, Spruce Pine, N. C.

Date Purchased 7-5-56

Acceptance No. AR-4 -40(a)

Certificate 1832A
Authorization No 1832 A

LOT No.
SP- AR- (40-a)

VOUCHER No.

	TOTAL Wt. Lb	Lbs-G.S	Lbs-Stained	Lbs-Hy-Stained	Total Value
Processed for Payment	254.11	160.51	78.60	15.00	4417.46

Processed	No Pay't	
THINS		
BLACK	Dots Spots Stains	
Undersized		
Process-	Gain Loss	
Total Lbs Purchased		

Less: Initial Payment - Voucher No.	Sch. No.	3223.60
Balance Due Government	Seller x	1193.86

Seller's Name: Duke Mining Co.
Crossnore, N.C.

Address:

NAME OF MINE: DUKE

DMEA No. 3945 Idm-E 886

Approved

Date:

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

RECEIVED
JUL 20 1956

July 18, 1956

Memorandum

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

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

Subject: Royalty Payments.

Transmitted are the following:

Idm-1832, DMEA-3793, Bill-of-sales $296.28; royalty check $14.81

Idm-1836, DMEA-3945, Bill-of-sale $3,223.60; royalty check $161.18

Robert A. Lawrence

RL
cc:
Lynch
Wittenberg
Shirley
Files

COPY

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JUL 20 1956

GENERAL SERVICES ADMINISTRATION WARRANTY, ACCEPTANCE AND INVOICE MICA PURCHASING DEPOT, SPRUCE PINE, N. C.		DATE PURCHASED 7-5-56 ACCEPTANCE No. AR-4
CERTIFICATE AUTHORIZATION No. 1832A	LOT No.	VOUCHER No.
RUBY X NON-RUBY	TOTAL LBS. PURHCASED	VALUE - INITIAL PAYMENT
PRELIMINARY PAYMENT	254.25	3223.60
GENERAL SERVICES ADMINISTRATION		
By:	NAME OF MINE: Duke	COUNTY - STATE Upson. Georgia
	DMEA No. 3945	Idm-E 886
	Seller: Duke Mining co	
	Address: Crossnor, N.C	
	Title: Edwin H. Schwab Yatesville, Georgia	

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

RECEIVED
APR 25 1956

April 23, 1956

Memorandum

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

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

Subject: Royalty payment - DMEA-3945, Idm-E886 (mica) Duke Mine, Upson County, Ga. E. H. Schwab, applicant.

Transmitted are bills-of-sale in the amount of $862.07, and a check for ~~$43.10~~ $43.10, representing 5% royalty on the sale to be credited to the subject contract.

Robert A. Laurence

ZM.
cc:
Lynch
Mittendorf
Beck
Files

43.10
161.18
204.28

copy

RECEIVED
APR 25 1956

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

Authorization No. 1600 A Acceptance No. 1019 Date: 4-6-56

Seller: E. H. Schwab, Yatesville, Georgia

Mine: Duke DMEA No. 3945, Idm E 886

Upson County, Ga. (mica)

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb.	Amount
Good Stained & Better Grades No. 3 & larger					$70.00	
No. 4 and 5				2.92	$40.00	116.58
No. 5½ and 6				3.87	$15.00	58.05
Stained No. 3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00		1.95	$ 8.00	15.60
No. 5½ and 6		$ 3.00		9.03	$ 5.00	45.15
Heavy Stained No. 3 & larger		$ 8.00			$13.00	
No. 4 and 5		$ 4.00			$ 6.00	
No. 5½ and 6		$ 2.00		3.23	$ 3.00	9.69
LOT TOTALS		//////			//////	
TOTAL		/////		21.00	/////	245.29

~~DMI~~
Copy.

RECEIVED
APR 25 1956

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

Authorization No. 1600 Acceptance No. 1060 Date: 4-19-56

Seller: E. H. Schwab, Yatesville, Ga

Mine: Duke DMEA No. 3945, Dam E-886

Upson County Georgia

Quality of Mica	HALF TRIM			FULL TRIM		
	Pounds	Price/Lb.	Amount	Pounds	Price/Lb.	Amount
Good Stained & Better Grades No. 3 & larger				.18	$70.00	12.60
No. 4 and 5				6.53	$40.00	261.20
No. 5½ and 6				17.81	$15.00	267.15
Stained No. 3 and larger		$12.00			$18.00	
No. 4 and 5		$ 5.00		5.12	$ 8.00	40.96
No. 5½ and 6		$ 3.00		5.63	$ 5.00	28.15
Heavy Stained No. 3 & larger		$ 8.00			$13.00	
No. 4 and 5		$ 4.00		1.12	$ 6.00	6.72
No. 5½ and 6		$ 2.00			$ 3.00	
LOT TOTALS		//////		36.39	//////	
TOTAL		/////			/////	616.78

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

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APR 1 0 1956

April 18, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3945 (mica)

Applicant: E. H. Schwab

Name and Location of Property: Duke Mine, Upson Co., Ga.

Contract Number: Lam-K 866

Date of Field Team Report: 4/3/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 4/12/56

Field Team Recommendation: Recommend no certification of discovery.

Comments:

1. The muscovite-rich zone, near the surface, has apparently "pinched out" below the 20 foot level.
2. No significant reserves were discovered.
3. Expenditures -

Total approved	$5,524.00
Total cost	5,524.00
Gov't. share of the cost	4,143.00
Value of production during operation	Unknown

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

Signed

W. F. Dietrich

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

RECEIVED
APR 11 1956

April 9, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Team - Final Report - DMEA-3945, Idm-E886, Duke Mine, (mica) Upson County, Georgia

Transmitted are four copies of the subject report.

The Field Team is in agreement with the Examiners that no certification should be issued on this project.

Robert A. Laurence

ZM.
cc:
Lynch
Shirley
Files

Reviewed by
DMEA OPERATING COMMITTEE
4-13-56
(date)

RECEIVED
APR 11 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL
FIELD TEAM EXAMINATION
REPORT, REGION V

DMEA-3945, Idm-E886(mica) DUKE MINE
Upson County, Georgia

By

A. R. Taylor, Geologist
Geological Survey

Wm. A. Beck, Mining Engineer
Bureau of Mines

April 3, 1956

Reviewed by
DMEA OPERATING COMMITTEE
4-13-56
(date)

FINAL REPORT

DMEA-3945, Idm-E886, (mica) DUKE MINE
Upson County, Georgia

RECEIVED
APR 11 1956

Operator: Edwin H. Schwab, P.O. Box 55, Yatesville, Georgia

Summary

Some strategic quality muscovite was recovered during the contract period. No further exploration is warranted. The field examiners do not recommend certification of the Duke Mine.

Introduction

Location

The Duke Mine is on the Waymansville Road, 7 miles southeast of Yatesville, Upson County, Georgia, and is on Lots No. 1 and No. 50 of the 16th Land District of the county.

History

The mine was discovered in 1916. It was worked by several operators during World War II. The total past production has probably been worth about $5000. The Operator recovered about $900 worth of mica from two trenches before the work done under DMEA-3945. (see field examination report, Duke Mine, Sept. 8, 1955).

Work under the contract, DMEA-3945, Idm-E886, began October 26, 1955, and ended February 29, 1956. The Operator has removed his equipment and will do no further work.

Mine Workings (see map)

Work done under Stage I consisted of bulldozed trench in weathered material (175 ft x 7 -20 ft x 17 ft wide). Several pits were dug, 6 to 7 ft in width and depth, then the Operator did more bulldozing.

A 2-compartment/vertical shaft, timbered to 38 feet level was sunk to a depth of 50 feet on mica-bearing pegmatite (includes 5 foot covered sump). It intersected an old drift at the 25 foot level, and intersected the footwall

contact at the 42 foot level.

A crosscut extends 23 feet N 62° W from the 45 foot level to the hanging wall contact. From that point a drift extends to the north along the wall for a total of 63 feet.

A toolhouse (7' x 8' x 10') and powder and exploder magazines were constructed.

Water flowed in, creating a pumping and timbering problem, and making slush out of the soft material encountered in the northernmost drift heading.

The Operator conducted the project satisfactorily. No equipment was purchased by the Government under the contract.

Geology

Pegmatite - Country Rock

A fine-grained, weathered, conformable and unzoned pegmatite enclosed in weathered biotite gneiss, was uncovered by trenching. Its maximum thickness is about 20 feet. Strikes and dips on the surface and at the shaft bottom are generally N 15° E and 50° NW. Undulations along the walls vary the strikes from N to NW, and the dips from W to SW.

Mineralogy of the pegmatite includes kaolinized feldspar, disseminated quartz, ruby muscovite, biotite, and sericite. The country rock is migmatized at the shaft bottom and is harder than the pegmatite.

Muscovite

A total (estimated) of about 2350 pounds of "mine-run-block" ruby muscovite has been recovered (1500 lbs in trenching, 450lbs in upper 20 ft of shaft, and about 400 lbs in northern end of drift).

The muscovite is ruby, hard, free-splitting, some clay stained, but generally of excellent quality. Some crystals were 6 x 8 inches in width.

Reserves:

The muscovite-rich zone, near the surface, has apparently "pinched out" below the 20 foot level in the shaft. No reserves can be inferred, except that which can be reached near the surface by a bulldozer. Inferred reserves may be 1500 pounds.

Conclusions and Recommendations

Only about 2350 lbs of "mine-run-black" mica has been recovered. No further exploration is warranted. No reserves of significant amounts have been discovered, therefore it is recommended that the mine not be certified.

Expenditures

(a)	Amount approved	$5,524.00
(b)	Total Amount Spent	5,524.00
(c)	Government share of cost	4,143.00
(d)	Value of production (estimated)	1,500.00
(e)	Royalty paid	None
(f)	Possible value of reserves	1,000.00

A. R. Taylor, Geologist
Geological Survey

Wm. A. Beck, Mining Engineer
Bureau of Mines

April 3, 1956

P. O. Box 217
March 28, 1956

Memorandum

To: Jay L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington, D. C.

From: Administrative Assistant, Electrotechnical Experiment Station, Bureau of Mines, Region V, Norris, Tennessee

Subject: Monthly reports and vouchers

We are enclosing two copies each of the following monthly reports and vouchers:

Idm-E-886
Edwin Herbert Schwab
Docket No. DMEA-3945
3rd and final payments - months of January and February (two MF-104 reports attached)
Completion Date: 2-29-56
Amount $2,683.50

Idm-E-888
W. A. Greene
Docket No. DMEA-3743
3rd & final payment - month of January
Completion Date: 2-1-56
Amount $388.13

Helen R. Miller

Attachments
/hbm
Copies to R. A. Laurence
V. J. Lynch
Norris Files
Day files

Final report

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February 1956 Docket No. DMEA 3945 Contract No. Idn-E886

Operator's Name Edwin Herbert Schwab Minerals Mica

Address P.O.Box 55, Yatesville, Ga.

Contract Amount, $ 5524.00 Government Participation: 75 % Amount, $ 4143.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		360.00	360.00			
Crosscutting						
61' Drifting @ 35.00	2135.00	665.00	2800.00			
Shaft		2250.00	2250.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		76.00	76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Exploder Magazine		13.00	13.00			
Powder Magazine		25.00	25.00			
(8) Contingencies (specify):						
TOTALS	2135.00	3389.00	5524.00	2135.00	3389.00	5524.00

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

Date 3-1-56 *Payee Edwin Herbert Schwab

Per Edwin H. Schwab Title Operator

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

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

(Instructions on reverse)

RECEIVED MAR 30 1956

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

$ 1601.25

Signature Helen R. Miller (Authorized Certifying Officer)

Date MAR 28 1956 Vou. No.

(See other side)

533.75

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 14aE886 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engr. USBM Date MAR 27 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title EXECUTIVE OFFICER DMEA REGION V Date MAR 27 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1956 Docket No. DMEA 3945 Contract No. Idm-E 886

Operator's Name Edwin Herbert Schwab Minerals Mica

Address P.O. Box 55, Yatesville, Ga.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
61' Drifting @ 35.00	Ft.	2135.00	61	2800.00	80	35.00	80	35.00
Crosscutting								
Raising								
Shafts				2250.00	50	45.00	50	45.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				360.00				
Total Distributed Costs		2135.00		5410.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				76.00				
Powder & Exploder Magazines				38.00				
Total Costs		2135.00		5524.00				

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

Date 3-1-56 Operator Edwin Herbert Schwab

Per Edwin H. Schwab Title Operator

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

Remarks:

(Instructions on reverse)

(For Government use only)

RECEIVED
MAR 30 1956

W. A. Beck, Mining Engr.
USBM

INSTRUCTIONS

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

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

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

GPO 872894

OPERATOR'S

Monthly Report of Progress

February, 1956

DMEA-3945

Idm-E 886 (Mica)

Work Accomplished:

We completed the work called for in the contract, and at a distance of 46' in the drift we began to pick up some mica. We recovered approximately 400# of small, good quality mica, and we plan to continue work as long as production warrants.

Daily Notes:

Feb. 1 - 10: Pumped water, drilled and shot, continuing to follow the West slate. Drift in some vein material.

Feb. 13- 17: Pumped water daily, drilled and shot in slate and vein. At 46' distance, the vein changed from yellow to grayish pegmatite, and we began to pick up small pieces of mica.

Feb. 20 - 24: Continued in West direction, drilling and shooting. Recovered some small but good quality mica. Pumped water daily, drilled, shot and mucked.

Feb. 27 - 29: Completed work called for in the contract on February 29, having recovered about 400# small mica. Work will be continued at this project as long as production warrants.

Good progress was made throughout month, with considerable overtime work and no major difficulty.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1956 Docket No. DMEA 3245 Contract No. Idn-2886
Operator's Name Edwin Herbert Schwab Minerals Mica
Address P.O. Box 55, Yatesville, Ga.
Contract Amount, $ 5524.00 Government Participation: 75 % Amount, $ 4143.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		360.00	360.00			
Crosscutting						
19' Drifting @ 35.00	665.00		665.00			
17' Shaft @ 45.00	765.00	1485.00	2250.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		76.00	76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Powder Magazine		25.00	25.00			
Exploder Magazine	13.00		13.00			
(8) Contingencies (specify):						
TOTALS	1443.00	1946.00	3389.00	1,443.00	1,946.00	3,389.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 2-3-56 *Payee Edwin Herbert Schwab
Per E H Schwab Title Operator

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$1,082.25
Signature Helen R. Miller
(Authorized Certifying Officer)
Date MAR 28 1956 Vou. No. 195
(See other side)

$360.75

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IdmE 886 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engr. USBM Date MAR 27 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date MAR 27 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 6 1956 Docket No. DMEA 3945 Contract No. Icm-E 886

Operator's Name Edwin Herbert Schwab Minerals Mica

Address P.O. Box 55, Yatesville, Ga.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
19' @ 35.00 Drifting	Ft.	665.00	19	665.00	19	35.00	80	35.00
Crosscutting								
17' Raising @ 45.00 Shafts	Ft.	765.00	17	2250.00	50	45.00	50	45.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Building	Hr.			360.00	30	12.00	30	12.00
Total Distributed Costs		1430.00		3275.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				76.00				
New Buildings, Improvements, etc.								
Powder & exploder magazines		13.00		38.00				
Total Costs		1443.00		3389.00				

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

Date 2-3-56 Operator Edwin Herbert Schwab

Per Edwin Schwab Title Operator

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

Remarks:

(Instructions on reverse)

(For Government use only)

W. A. Beck, Mining Engr.
U. S. B. M.

INSTRUCTIONS

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

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

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

GPO 872894

OPERATOR'S

Monthly Progress Report

January, 1956

DMEA-3945

Idm-E 886

Work Accomplished:

We completed the shaft work as called for in the contract, and completed 19' of drift. We drilled 6' in the East slate, then began following the West slate. The shaft was in vein all the way down, and the drift has been in some vein up to the last 10 feet. We are now in slate and hard material. No mica encountered.

Daily Notes:

January 2 - 6: Constructed exploder magazine, worked in shaft. Drilled, shot and mucked. Pumped water.

January 9 -13: Pumped water, continued down with shaft, reaching 50 foot level. Still in vein, but no mica. Repeated same daily operations.

January 16-20: Began shooting toward East in slate, advanced 6'. Found no vein. Drilled, shot and mucked. Pumped water.

January 23-31: Began following West slate with drift, going parallel with slate. Drilled, shot and mucked. Drift not in vein at present. Continued to pump water daily.

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

March 27, 1956

RECEIVED
MAR 29 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Operator's Final Engineering and Geological Report on: DMEA-3945, Idm-2886-Mica. Duke Mine, Upson County, Ga.

Transmitted are four copies of the Operator's final engineering and geological report on the subject contract.

The January and February Monthly Reports and Vouchers are being released for payment. The Field Teams final report will follow soon.

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

V. J. Lynch, Member
Bureau of Mines

ZM.
cc:
Opr. Com.
Lynch
Files
Beck

Operator's Final Report

Spruce Pine, North Carolina
March 26, 1956

RECEIVED
MAR 28 1956

Mr. Robert A. Laurence, Executive Officer
D. M.E.A., Region V
Room 13, Post Office Building
Knoxville, Tennessee

Re: DMEA-3945, Idm-E 886, Mica
Duke Mine, Upson County, Georgia
Final Engineering Report

Dear Mr. Laurence:

Work began on the Duke project on November 2, and completion made on February 29. We bulldozed trench as called for in contract, recovering some mica. Stage II was approved by field team, and shaft was lowered to a depth of 50 feet, timbering as necessary. Very little mica was recovered in shaft, although we were in vein all the way down. A drift was driven a total distance of 80 feet, beginning with 6' in the East slate, then following the West slate the remaining distance. The drift began to run out of vein at ten to twelve feet, and continued in slate and hard material to about 46'. At this point, vein changed from yellow to grayish pegmatite, and we began to pick up small pieces of mica. We continued to recover some small mica to the completion of the 80 feet, and a total of about 400# of small was recovered.

Work on the contract was completed on February 29, and we plan to work the project further, as long as production will warrant.

None of the mica recovered from the Duke Mine has been sold, but will be worked and sold in the near future.

We wish to thank the field team for their assistance at the Duke project, and will be glad to furnish further details of the operation if they are necessary.

Very truly yours,

Sam L. Phillips

Sam L. Phillips

P/b

MAR 22 1956

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

Re: Docket No. DMEA-9945-Mica
Edwin Herbert Schwab
Duke Mine
Upson County, Georgia
Contract No. Idm-[illegible]86

Dear Mr. Lawrence:

Reference is made to your memorandum of February 28, 1956, recommending assignment of the subject contract to Messrs. S. L. Phillips, J. H. Beam and John Phillips of Spruce Pine, North Carolina.

Please be advised that we requested the Legal Division to prepare this assignment and they advised that since all the work under the contract is completed, there is no need for preparation of an assignment.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan
Member, Bureau of Mines

W. P. Williams
Member, Geological Survey

WCAnderson:ms 3/19/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson
Admr. R. File

DEPARTMENT OF THE INTERIOR
Office of the Solicitor

Date MAR 13 1956

Referred to: The Administrator, DMEA
Attention: Chief, Nonmetallic Minerals Div.

From: Associate Solicitor, Div. of Mineral Resources

For: Information and retention _____

Information and return _____

Necessary action and return _____

Comment and return _____

Distribution in office or region _____

Remarks: As all the work under the contract is completed, there is no need for preparation of an assignment, and the file is returned without action.

(Signature)

INT.-DUP. SEC., WASH., D.C. 84986

DMEA-3945

MF

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 3-12-56

REFERRED TO:

1. ~~Dm Acts + Records Section~~
2. ~~Solicitor's Office~~
3. ~~Mr. Dwyer, Rm 7341~~
4.

Rcd. end
MAR 12 1956

FOR:

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

INTERIOR DEPT.
MAR 12 1956
SOLICITOR

REMARKS: Pursuant to Field Examiner memo of 2-28-56, please prepare assignment of contract

Check (X) before the items needing attention.

DMEA-Nonmetallic Min. Div.
L. G. Houk Ch.
Initials of sender.

Per W Anderson

GPO 16—63815-1

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

RECEIVED
FEB 29 1956

February 28, 1956

Memorandum

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

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

Subject: DMEA-3945, Idm-E886 (Mica)
Edwin H. Schwab
Duke Mine, Upson County, Georgia

Enclosed are the original and one copy of a letter from Edwin H. Schwab, requesting assignment of the subject contract to S. L. Phillips, J. R. Beam and John Phillips of Spruce Pine, N. C., written in response to Mr. Mittendorf's letter of February 6, 1956.

So far as we know, the only response from Messrs. Phillips, Beam and Phillips has been a letter dated December 22, 1955, the original and one copy of which are enclosed. As to their qualifications, all three of these men have successfully completed several DMEA contracts and are far more capable of doing the work than Mr. Schwab is.

There seems to be some confusion about what has actually been transferred. It is our understanding that Mr. Schwab owned the mineral rights (see article 2 b 1 of the contract) and that he sold these to Messrs. Phillips, Beam and Phillips. Therefore, it appears to us that Consent to Lien is not required in connection with this contract assignment.

We recommend approval of the assignment. In the meantime, we are withholding payment on the Operator's vouchers. We understand that work under the contract will be completed early in March.

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

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

RAL/mg

Enclosures 4

cc - Operating Committee (2)
Mr. V. J. Lynch
Mr. Wm. A. Beck
Files

Phone 8-2312 Yatesville, Ga. P.O. Box-55

Feb. 23, 1956.

United States
Department of the Interior
Defence Minerals Exploration Adm.

Mr. Robert A. Laurence

Executive Office, Region V

Knoxville, Tenn;

RECEIVED
FEB 27 1956
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

RECEIVED
FEB 29 1956

Dear Mr. Laurence:

Instructions from Mr. C.C. Mittendorf, Administrator of Defence Minerals Exploration Administration, Washington D.C.-require that my request for an assignment of Contract No. Idm-E 886, e made through your office.

Therefore :Herewith respectfully request a full assignment of all of my interest in and to said Docket No. DMEA-3945--Edwin Herbert Schwab--Duke Mine--Upson County, Ga. -Contract No. Idm.E-886-- to be made to Messrs. S.L. Phillips, J.R. Beam and John Phillips, of Spruce Pine, N.C.

Messrs. Phillips, Beam and Phillips have advised me that they have advised your Department of their willingness to accept the terms and provisions of said contract and any amendments thereto and presented their qualifications.

Due to an accident causing bodily injury(broken ribs, displaced cartilage and heart injury) shortly before date of contract execution, it being doubtful of my physical condition permiting execution of the contract, it was my desire to have capable, experienced and financally responsible parties to execute the contract therefore Mr. S.L. Phillips agreed to have the Contract transferred to Messrs. Phillips, Beam & Phillips and they agreed to assume all of my obligations thereto.

Said Phillips, Beam & Phillips did forthwith proceed to comply with the exploration, management and developement of the Duke Mine and should have same completed on or before March 1st. 1956. Have been advised they lack 13 feet of drift to complete the contract, approximately three days work.

Trust this will meet with your approval and the Washington Office,

Respectfully yours,

Edwin Herbert Schwab

Ed. H. Schwab.

RECEIVED
FEB 29 1956

Spruce Pine, North Carolina
December 22, 1955

Mr. Robert A. Laurence, Executive Officer
D. M. E. A., Region V
Room 13, Post Office Building
Knoxville, Tennessee

Re: DMEA-3045, Idn E-886 (Mica)
Duke Mine, Upson Co., Ga.

Dear Mr. Laurence:

I am enclosing a copy of an assignment of the lease covering property on the above contract. I wish to have the contract transferred to S. L. Phillips, J. R. Beam, and John Phillips inasmuch as we have purchased the land and the lease.

If further information is necessary, please contact me.

Very truly yours,

Sam L. Phillips

Sam L. Phillips

B/b
Enclosure

RECEIVED
DEC 27 1955
U. S. Geological Survey
Knoxville, Tenn.

RECEIVED
FEB 29 1956

INTERIM REPORT

DMEA-3945, Idm-E886, NUKE MINE (mica)

Operator: Edwin W. Schwab, P.O. Box 55, Yatesville, Georgia

Location: On the Waymansville Road, seven miles southwest of Yatesville, Upson County, Georgia

This project was visited February 24, 1956. No work was being done as the pump had broken down and had been taken to Spruce Pine for repairs. From the appearance of the material on the dump the drift was still in pegmatite, but seemed barren of any sheet mica. Mr. Schawb who was seen at the Persons Mine stated the drifting lacked 13 feet being completed.

Inspected: February 24, 1956

Wm. A. Beck, Mining Engineer
Bureau of Mines

A. R. Taylor, Geologist
Geological Survey

RECEIVED
FEB 15 1956

INTERIM REPORT

DMEA-3945, Idm-E886, DUKE MINE (Mica)

Operator: Edwin H. Schwab, P. O. Box 55, Yatesville, Georgia

Location: On the Waymansville Road, seven miles southwest of Yatesville, Upson County, Georgia

This project was visited on February 9, 1956 by the field examiners. Work is progressing satisfactorily on this contract.

A crosscut, trending N. 62° W., from the 45-ft level in the shaft has intercepted the hanging wall of the country rock at 23 ft. That gives a total width of 23 ft of pegmatitic material.

A drift from the crosscut has been driven 16½ ft in a N. 25° E. direction, entirely in pegmatite, barren of strategic muscovite. Some scrap size muscovite exists along the contact. The pegmatite-gneiss contact undulates on the west wall of the drift, making a series of changed dips, to the west and east.

Two holes have been drilled for the benefit of the examiners to determine whether or not the gneiss encountered at the bottom of the shaft and at the end of the crosscut was inclusions of country rock. One horizontal hole was drilled 6 ft to the east from the 40-ft level in the shaft. It was entirely in gneiss. Another hole was drilled, with the field examiners present, for 3½ ft entirely in gneiss, into the end of the crosscut.

The field examiners recommended further exploration in the N. 25° E. direction until another visit can be made.

Inspected: February 9, 1956

Wm. A. Beck, Mining Engineer
Bureau of Mines

and

A. R. Taylor, Geologist
Geological Survey

g

RECEIVED
JAN 16 1956

INTERIM REPORT

DMEA-3945, Idm-E886, DUKE MINE (mica)

Operator: Edwin H. Schwab, Box 55, Yatesville, Georgia

Location: On the Waymansville Road, seven miles southwest of Yatesville, Upson County, Georgia

This project was visited January 11, 1956. The shaft was down to a depth of 44 feet and was timbered and lagged to 38 feet. At 25 feet it went through an old drift which extended about 100 feet to the north. At 42 feet migmatite (mixed country rock and pegmatite) comes in across the shaft. The shaft has been entirely in pegmatite to this point. About 450 pounds of mine run mica has been recovered from the shaft sinking. The greatest portion of this has been from the first 20 feet.

The Operator was instructed to continue the shaft to the 50 feet depth set up in the contract, allow about 5 feet for a sump and crosscut to the west to try to pick up the hanging wall of the pegmatite body.

Inspected: January 11, 1956.

Wm. A. Beck, Mining Engineer
Bureau of Mines

and

A. R. Taylor, Geologist
Geological Survey.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED
JAN 11 1956

Month of December 1955 Docket No. DMEA 3945 Contract No. Ion-E386
Operator's Name Edwin Herbert Schwab Minerals Mica
Address P.O. Box 55, Yatesville, Ga.
Contract Amount, $ 5524.00 Government Participation: 75% Amount, $ 4143.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		360.00	360.00			
Crosscutting						
Drifting						
23' Shaft @ 45.00 ft.	1035.00	450.00	1485.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		76.00	76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Powder Magazine	25.00	[illegible]	25.00			
(8) Contingencies (specify):						
TOTALS	1060.00	886.00	1946.00	1060.00	886.00	1946.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 1-3-56 *Payee Edwin Herbert Schwab
Per Edwin H. Schwab Title Operator

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

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

(Instructions on reverse)

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

$ 795.00

Signature Helen R. Miller
(Authorized Certifying Officer)
Date JAN 6 1956 Vou. No. 45
(See other side)

265.02

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idaho E886 in accordance with the terms of the contract.

Signature W. T. Beck Title Mining Engr USBM Date JAN 5 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lamoreaux Title EXECUTIVE OFFICER DMEA REGION V Date JAN 5 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 11 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 6 Docket No. DMEA 3945 Contract No. Min-E 886
Operator's Name Edwin Herbert Schwab Minerals Mica
Address P.O. Box 55, Yatesville, Ga.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
23' Shafts @ 45.00	Ft.	1035.00	23	1485.00	33	45.00		45.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				360.00	30	12.00	30	12.00
TOTAL DISTRIBUTED COSTS		1035.00		1845.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				76.00				
Powder Magazine		25.00		25.00				
TOTAL COSTS		1060.00		1926.00				

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

Date 1-3-56 Operator Edwin Herbert Schwab

Per Edwin H. Schwab Title Operator

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

REMARKS:

(Instructions on reverse)

(For Government use only)

W. A. Beck, Mining Engineer
U. S. B. M.

INSTRUCTIONS

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

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

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

GPO 872894

RECEIVED
JAN 11 1956

OPERATOR'S

Monthly Progress Report

December, 1955

DMEA-3945

Idm-E 886

Work Accomplished:

We completed 23' of shaft during the month, and constructed the powder magazine. Shaft is in vein material, and satisfactory progress is being made. Timbering shaft as we go down.

Daily Notes:

December 1 - 9: Continued down with shaft, still in vein material but recovering no mica. Timbered, drilled, shot and mucked. Constructed powder magazine.

December 12-16: Drilled and shot, mucked out waste. Vein material looks more favorable. Timbered.

December 19-23: Repeated same operations, lowering shaft. Material changed little. Lost one day, employees off for holiday.

December 27-30: Reached a depth of 33 feet with shaft, vein now some wider and looking better. Drilled, shot and mucked.

600

FEB - 6 1956

A
3945

Mr. Edwin Herbert Schaub
P. O. Box No. 55
Ivesville, Georgia

Re: Docket No. DMEA-3945-Mica
Edwin Herbert Schaub
Duke Mine
Upson County, Georgia
Contract No. Idm-8236

Field Team, Region V
Mr. Chapman
Mr. Smith
Mr. Anderson

Dear Mr. Schaub:

The Executive Officer, DMEA Field Team, Region V, has forwarded to this office a copy of an assignment of your lease on the subject land and all of your interest in DMEA Contract No. Idm-8236 (Docket No. DMEA-3945) to S. L. Phillips, J. R. Bean and John Phillips.

This is to advise you that unless the written consent of the Government to the assignment is obtained, such action constitutes a breach of contract, for Article 1 of the contract states that the contract cannot be transferred or assigned without the written consent of the Government, and Article 2 requires you to preserve and maintain your right title and interest in the land for the purpose of the contract.

Copy to: Mr. L. Fils
Mr. Operating Committee
Mr. Hillegeard, 522
Mr. Roderick, 3061

You may make a written request through the Executive Officer, Region V, to this office to have the lease and contract assigned to another party. Your request must be accompanied by (1) a statement of your reasons for wishing to make the transfer, and (2) a statement from the assignees, Messrs. S. L. Phillips, J. R. Bean and John Phillips, as to their qualifications and willingness to accept the terms of the contract and any amendments thereto. During the time your request is being processed, no vouchers for work completed will be honored. If an assignment of the contract is approved, your liability under its terms continues. Please execute and return the enclosed Consent to Lien.

We will hold your notarized assignment, dated October 31, 1955, until you have submitted the papers mentioned above. Should your request be approved, copies of the approved assignment will be transmitted to you.

Sincerely yours,

C. D. Mittendorf

Administrator

Enclosure

WCAnderson:mc 2/1/56

Copy to: S. L. Phillips et al.
Spruce Pine, North Carolina

A

RECEIVED
JAN 30 1956

INTERIM REPORT

DMEA-3945, Idm-E886, DUKE MINE (mica)

Operator: Edwin H. Schwab, P.O. Box 55, Yatesville, Georgia

Location: On the Waymansville Road, seven miles southwest of Yatesville, Upson County, Georgia

This project was visited on January 26, 1956. The shaft has been completed to a depth of 50 ft with a 5 ft covered sump. Because of pump failure the Operator's crew has worked only 3 3/4 days since January 11.

A crosscut, in pegmatite, has been driven a distance of 5 ft to the west. While the examiners were present, the crew drilled 4 ft into the heading. The 4 ft drilled proved to be in pegmatite, giving a minimum thickness of 9 ft. No mica of strategic quality exists at the shaft bottom on the footwall of the pegmatite, nor was any seen in the crosscut.

The field examiners directed that the crosscut be continued to the hanging wall to the west.

Inspected: January 26, 1956

V. J. Lynch, Mining Engineer
Bureau of Mines

and

A. R. Taylor, Geologist
Geological Survey

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

RECEIVED
JAN 9 1956

January 5, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: D.M. E. A. Field Team, Region V - Knoxville

Subject: DMEA-3945, Idm-E886 (mica) E. H. Schwab, Duke Mine, Upson County, Georgia

Enclosed is an assignment of the Duke Mine from E. H. Schwab to S.L. Phillips, J. R. Beam and John Phillips. The New owners are competent mica operators and are, in fact, now conducting the work at the Duke Mine, We request that the contract be assigned to them and that the usual assignment, acceptance and consent forms be prepared and sent to us for transmittal to the Operator.

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

V.J. Lynch, Member
Bureau of Mines

RAL/sm

cc:

Lynch

Shipley

RECEIVED
DEC 27 1955

INTERIM REPORT

DMEA-3945, Idm-E886, DUKE MINE (Mica)

Operator: Edwin H. Schwab, Box 55, Yatesville, Georgia

Location: On the Waymansville Road, seven miles southwest of Yatesville, Upson County, Georgia

This project was visited on December 20, 1955. The crew had already gone home for the day when the examiners arrived. The shaft was measured and found to be 28 feet deep with 3 feet of water in the bottom. From the appearance of the dump material they are still in pegmatite. The shaft was timbered all the way to the bottom and there was a partition between the hoisting and ladder compartments. This project is being carried on in an efficient manner.

December 20, 1955

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

Alfred R. Taylor, Geologist
U. S. Geological Survey

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

Budget Bureau No. 42-R1036.5

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED DEC 16 1955

Month of November, 1955 Docket No. DMEA 3945 Contract No. Idr-E 886
Operator's Name Edwin Herbert Schwab Minerals Mica
Address Box 55, Yatesville, Ga.
Contract Amount, $ 5524.00 Government Participation: 75% Amount, $ 4143.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
30 Hr Bulldozing 12.00 hr.	360.00		360.00			
Crosscutting						
Drifting						
10' Shaft 45.00 ft.	450.00		450.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	76.00		76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	886.00		886.00	886.00		886.00

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

Date 12-5-55 *Payee Edwin Herbert Schwab

Per Edwin Herbert Schwab Title Operator

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

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

(Instructions on reverse)

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

$ 664.50

Signature Helen R. Meeks
(Authorized Certifying Officer)

Date DEC 13 1955 Vou. No. 28
(See other side)

221.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IMaE 886 in accordance with the terms of the contract.

Signature W. T. Beck Title Mgr. Engr. USBM Date 12-9-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date DEC 9 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
DEC 16 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1955 Docket No. DMEA 3945 Contract No. Idm-8886
Operator's Name Edwin Herbert Schwab Minerals Mica
Address P.O. Box 55, Yatesville, Ga.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
10' Shafts ○ 45.00	Ft.	450.00	10	450.00	10	45.00	50	45.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
30 Hr. Bulldozing ○ 12.00	Hr.	360.00	30	360.00	30	12.00	30	12.00
TOTAL DISTRIBUTED COSTS		810.00		810.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.		76.00		76.00				
TOTAL COSTS		886.00		886.00				

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

Date 12-5-55 Operator Edwin Herbert Schwab

Edwin Herbert Schwab Operator

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

GPO 872894

RECEIVED
DEC 16 1955

OPERATOR'S

Monthly Progress Report

November, 1955

DMEA-3945

Idm-E 886

Work Began: Nov. 2

Work Accomplished:

We have completed bulldozing work as called for in the contract, constructed tool house, and have gone down 10 feet with the shaft. Shaft has been in vein all the way, and we have recovered about 100# small mica.

Daily Notes:

Nov. 2:) Moved in equipment. Bulldozed trench as set up
Nov. 3:) in Stage I. Recovered some mica.
Nov. 4:)

Nov. 8: Completed bulldozing work. Recovered more mica, totaling about 3000 lbs. altogether.

Nov. 9-15: Constructed toolhouse. Worked at sloping banks.

Nov.16-30: Sloped banks. Began lowering shaft. Timbered as we went down. Shaft in vein material, showing some mica. Recovered about 100# in the 10'.

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DEC 12 1955

INTERIM REPORT

DMEA-3945, Idm-8886, DUKE MINE (mica)

Operator : Edwin H. Schaub, Box 55, Yatesville, Georgia

Location: On the Waymansville Road, seven miles southwest of Yatesville Upson County, Georgia

This project was visited December 7, 1955. Shaft sinking is in progress at the location stipulated by the field examiners during their visit on November 8. The shaft was started in weathered pegmatite which still exists the full width of the shaft. About 200 pounds of run-of-mine mica has been recovered from the 12 feet of shaft sunk to date. The mica is of excellent quality being ruby and hard, free splitting and flat.

December 7, 1955

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

Alfred R. Taylor, Geologist
U. S. Geological Survey

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

RECEIVED
NOV 16 1955

November 14, 1955

Mr. Edwin H. Schaub

P.O. Box 55

Yatesville, Georgia

Re: DMEA-DMEA-3945, Idn-[illegible]
Duke Mine (mica)
Upson County, Ga.

Dear Mr. Schaub:

This will confirm the verbal permission given you to start work on Stage II of the subject contract.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

WAR/sm
Opr. Gen.-3
Lynch
Book
Files

RECEIVED
NOV 16 1955

INTERIM REPORT

DMEA-3945, Idm-8886 (mica) DUKE MINE

Operator: Edwin H. Schawb, Box 55, Yatesville, Georgia

Location: On the Waymansville Road, seven miles southwest of Yatesville, Upson County, Georgia

This project was visited November 8, 1955. Stage I of the contract had been completed. The Operator was advised where to start sinking the shaft and to follow the pegmatite down with an incline. At this point the pegmatite is about 8 feet in thickness and dips about 45 degrees to west and plunging slightly southwest.

Approximately 1500 pounds of excellent mica has been produced by the bulldozing.

November 8, 1955.

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

and

Alfred R. Tayler, Geologist
U. S. Geological Survey

INTERIM REPORT

RECEIVED

NOV - 2 1955

DMEA-3945, Ida-E886 (mica) DUKE MINE

OPERATOR: Edwin H. Schaab, P. O. Box 55, Yatesville, Georgia

LOCATION: On the Waymanville Road, 7 miles southwest of Yatesville, Upson Co., Georgia

The project began work on October 26, 1955. Stage I of the contract is underway, and about 12 hours of trenching had been completed at the time of this visit. A trench trending N-S had been excavated by a D-7 bulldozer, equipped with back-hoe teeth, which was 150 feet long, 16 feet wide, and 4 to 6 feet deep. A pegmatite striking northeast and dipping southeast was exposed on the extreme south end of the cut, but was badly weathered. The operator was advised to extend the trench further to the south and deepen the cut in the vicinity of the pegmatite. About 150 pounds of mica, most of which contained clay stain, was recovered from this body. About 125 feet north of this body, another pegmatite was exposed briefly, while the examiners were present. About 50 pounds of excellent mica in blocks up to 6 x 8 inches had been recovered. Additional trenching will better expose this body, and the operator was advised to continue work also on this end of the trench.

The operator was instructed not to begin Stage II of the contract until another inspection of the completed work can be made.

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

A. R. Tayler, Geologist
U. S. Geological Survey

October 27, 1955

OCT 6 - 1955 600

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

Subject: Docket No. DMRA-3945 - Mica
Edwin Herbert Schwab
Duke 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 Administrator for the Government with effective date as shown.

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

After execution of the contract, the copies are to be distributed in the usual manner. Copies of memoranda from Mr. W. L. Nelson dated September 19, and Mr. W. F. Dietrich dated September 23, 1955, both Members of the Mica Commodity Committee are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 10

WCAnderson:gad 9/27/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

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

September 23, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3945 (mica)

Applicant: E. H. Schwab

Name and Location of Property: Duke Mine, Upson Co., Ga.

Date of Field Team Report: 9/8/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 9/16/55

Field Team Recommendation: Recommend a 2-stage exploration project at a cost of $5,523.00.

Comments:

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

2. Proposed exploration outlined by the field team is consistent with good engineering practices and estimated costs are in line with other DMEA projects.

Recommendation: I concur with the recommendation of the field team for a 2-stage exploration program.

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
SEP 20 1955

September 19, 1955

Re: DMEA 3945
Edwin H. Schwab
Duke Mine
Upson Co., Georgia
$5,523.00 - Mica

Memorandum

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

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

Subject: Review of Field Team Report.

The staged exploration work proposed for this prospect should, if done, afford a good look at the outcrop and, if warranted, underground work.

I concur with the acceptance recommendation of the Field Team.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-9/19/55

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

Memorandum

To: Files

From: Walter C. Anderson, Nonmetallic Minerals Division.

Subject: Evaluation of application and field examination report.
Docket No. OMRA-3945-Mica
Edwin Herbert Schwob
Duke Mine
Upson County, Georgia

A contract is recommended

Mica - Excellent quality, ruby colored, hard, flat and clear. Chief defects - cracks and clay stain. Scattered mica concentrations.

Other minerals - feldspar, quartz and biotite.

Pegmatite - Irregular, unzoned body 2-15 feet thick conformably included in biotite gneiss. Several parallel pegmatites appear to be present.

Old workings - Several shallow shafts and bulldozer cuts. Past production - about $9000 worth of mica.

Method of exploring - The Field Team's recommendation, essentially the same as the applicant's proposal, is a 2-stage program. Stage I consists of bulldozing a trench, 20' wide by 4' deep, along strike of pegmatite for a distance of 325 feet to determine extent and mineral composition of the body. If promising concentrations of strategic mica are revealed, then Stage II will consist of sinking a 50 foot inclined shaft and 80 feet of drifts.

Economics and costs - All the work should be totally in pegmatite. The costs of $45/ft. for

shaft sinking and $35/ft. for drifting are in line with costs of similar projects in the area. There will be no rehabilitation costs.

Recommendations – The Nonmetallic Minerals Division concurs in the Field Team proposal, which has the advantage of a 2-stage contract. The initial cost of $360 for trenching is justified to ascertain the extent and mica content of the pegmatite before commencing Stage II, which will cost $8,164. The community members of the Bureau of Mines and Geological Survey concur.

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

RECEIVED
SEP 12 1955

September 9, 1955

Memorandum

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

From: DMEA Field Team, Region V

Subject: Field Examination Report - DMEA-3945 (Mica)
Edwin H. Schwab, P. O. Box 55, Yatesville, Georgia
Duke Mine, Upson County, Georgia

Enclosed are four copies of the subject examination report, and nine extra copies of the map.

We agree with the examiners' conclusions and recommend approval of a contract as outlined in the report.

V. J. Lynch, Acting
Executive Officer
DMEA Field Team, Region V

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

Enclosures 13
cc - Lynch
Shirley
Files
DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
SEP 12 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT BY FIELD TEAM, REGION V

On

DMEA-3945, DUKE MINE (Mica)

Upson County, Georgia

By

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

Dewey H. Ames, Geologist
U. S. Geological Survey

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

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

September 8, 1955

FIELD EXAMINATION REPORT

RECEIVED

SEP 1 9 1955

DMEA-3945 (mica) DUKE MINE

Applicant: Edwin H. Schwab, P. O. Box 55, Yatesville, Georgia

Mica of strategic grade has recently been discovered at this mine by the applicant. It is recommended that exploration assistance be granted.- the work to be staged.

The Duke mine is on the Waymansville Road - 7 miles southwest of Yatesville, Upson County, Georgia and is on Lots no. 1 and 50 of the 16th Land District of the county.

The deposit was examined on September 1, 1955. Mr. Edwin H. Schwab accompanied the examiners on the inspection which required two hours. The applicant owns the mineral and mining rights to 100 acres on which the mine is located. The nearest property line to any proposed work is about 300 feet.

Access to within 400 feet of the mine is by an all-weather county road; the remaining distance is by a mine road. No surface facilities are present on the property. Water is readily available and a power line crosses the property. Most mining equipment and supplies can be obtained locally.

The applicant has had only limited mica mining experience but has had considerable coal mining experience. He appears to be competent to conduct the proposed work.

The mine was discovered in 1916. During World War II several operators conducted operations at the mine, most of an exploratory nature. Total past production has probably been worth about $5000. The applicant has recently recovered about $900 worth of mica from two trenches and a small pit (see attached map).

The pegmatite is an irregular body whose contacts strike N. 0-20° E. and dip 60 - 70° west. Several branches or parallel bodies appear to be present. The main pegmatite is reported to be 2 - 15 feet thick and is essentially conformable to the enclosing biotite gneiss. In the southwest trench it is 5 feet thick and consists of kaolinized feldspar, quartz, muscovite and biotite. No zoning is apparent but scattered mica concentrations are reported.

The mica is ruby-colored, hard, flat and clear. The chief defects are cracks and clay-stain. In general, the mica is of excellent quality.

It is recommended that a staged exploration program be conducted. A trench 325' x 20' x 4' deep should be bulldozed along the strike of the pegmatite to determine the thickness and mineral composition of the body.

If this reveals promising concentrations of strategic mica, then sink a 50-foot incline on the pegmatite and drive 80 feet of drifts. Estimated costs are as follows:

Stage I -	Bulldoze with D-7 or equivalent dozer a trench 325' x 20' x 4' deep along the strike of the pegmatite. 30 hrs. @ $12/hr.		$360.00
Stage II -	Construct -		
	Toolhouse	$75.00	
	Powder Magazine	25.00	
	Exploder "	13.00	113.00
	Sink 50-foot, two-compartment incline 5' x 7' in cross section (30 shifts)		
Labor:	1 - Miner @ $1.50/hr.	$360.00	
	1 - Hoistman @ $1.25/hr.	300.00	
	1 - Laborer @ $1.00/hr.	240.00	
Supplies:	Timber, 5000 b.f. @ $65/M	325.00	
	Gas and oil	125.00	
	Explosives	100.00	
	Small tools	50.00	
	Drill steel	50.00	
	Pipe, nails and wire	50.00	
Equipment (rental):			
	Compressor, drill @ $240/Mo.	300.00	
	Hoist @ $50/Mo.	62.50	
	Pump @ $20/Mo.	25.00	
Insurance		90.00	
Social Security		18.00	
Sales tax		21.00	
Miscellaneous		133.50	$2,250.00
	Drive 80 feet of drifts 5' x 7' in cross-section (30 shifts)		
Labor:	1 - Miner @ $1.50/hr.	360.00	
	1 - Hoistman @ $1.25/hr.	300.00	
	2 - Laborers @ $1.00/hr.	480.00	
Supplies:	Gas and oil	150.00	
	Explosives	250.00	
	Small tools	50.00	
	Drill steel	100.00	
	Pipe and wire	50.00	
	Timber, 3000 b.f. @ $65/M	195.00	

Equipment (rental):		
Compressor, drill and jackleg @ $250/mo.	$312.50	
Hoist @ $50/Mo.	62.50	
Pump @ $20/Mo.	25.00	
Insurance	114.00	
Social Security	23.00	
Sales Tax	24.00	
Miscellaneous	304.00	$2,800.00
Total estimated cost of Stage II		$5,163.00
Total estimated cost of Stages I and II		$5,523.00

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

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

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

and

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

September 8, 1955

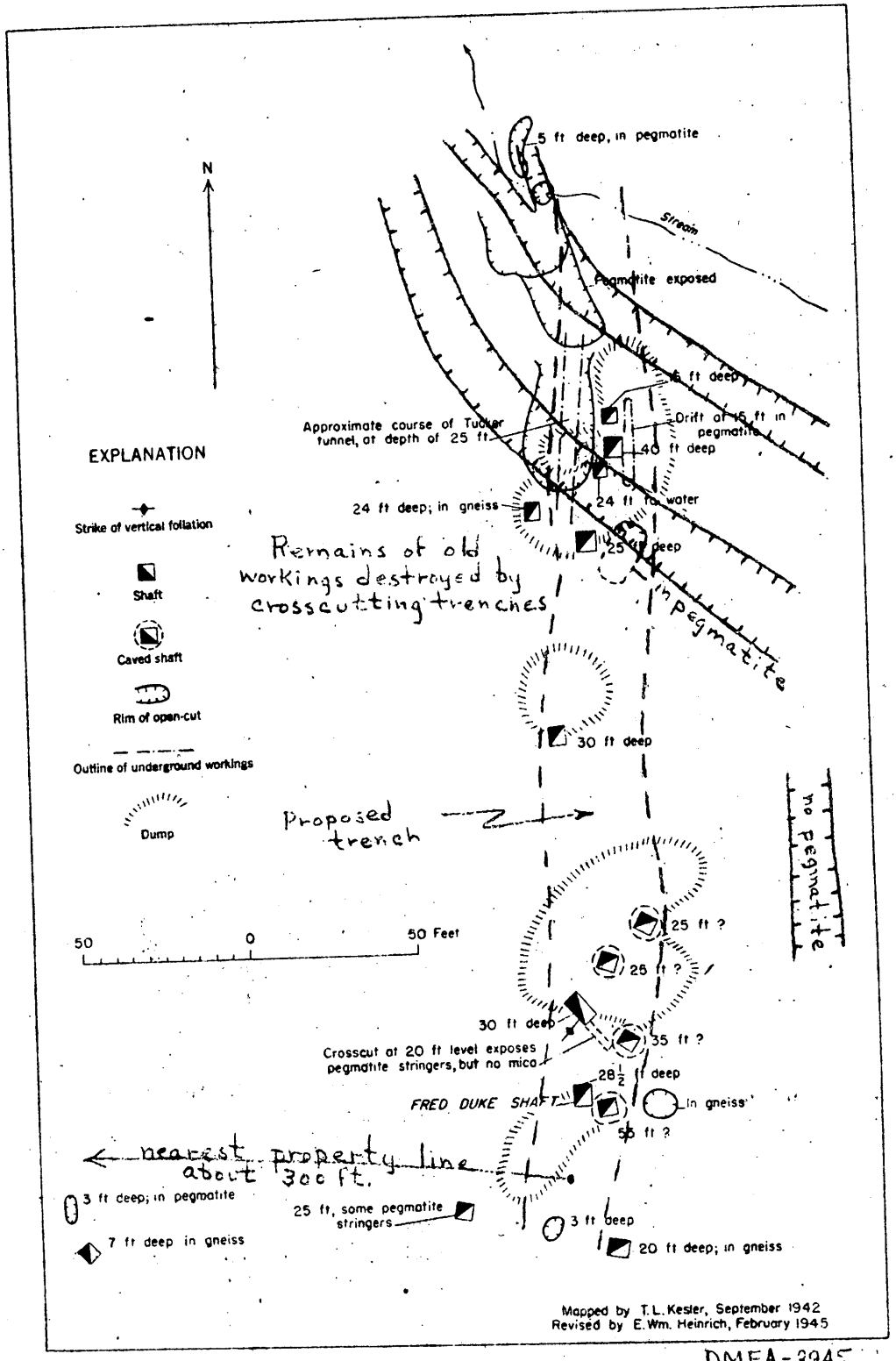


FIGURE 123.—Map of the Duke mine, Upson County, Ga.

DMEA-3945
Sept. 2, 1955

AUG 24 1955

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

Subject: Docket No. DMEA-3945 - Mica
Edwin Herbert Schaub
Duke Mine
Upson County, Georgia

Dear Mr. Lawrence:

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

Copies of memoranda from Mr. W. F. Dietrich, dated August 15, 1955, and Mr. H. E. Nelson, dated August 16, 1955, Members of the Mica Commodity Committee, are enclosed.

If your office recommends an exploration program approved by the applicant, please furnish the necessary information to draft a contract. In this connection we will require nine copies of a map showing the proposed work and pegmatite exposures in relation to the property lines.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures 4

WCAnderson:gad 8/22/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk
Mr. Anderson

Mr. Edwin Herbert Schwab
P. O. Box 55
Yatesville, Georgia

Re: Docket No. DMEA-3945 - Mica
Edwin Herbert Schwab
Duke Mine
Upson County, Georgia

Dear Mr. Schwab:

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:gad 8/22/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Dietrich, 3061
Mr. Ellingsgard, 5222
Mr. Houk
Mr. Anderson

IN REPLY REFER TO:

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

August 16, 1955

Re: DMEA 3945
Edwin H. Sabesh
Duke Mine
Upson Co., Georgia
$3,510 - Mica

Memorandum

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

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

Subject: Review of Application.

The description of the Duke mine in Mica Deposits of the Southeastern Piedmont Part 10 does not support this application, as far the Duke mine, but would appear to answer the "$2,000 or $40,000" question. The fourteen shafts and several pits indicate an irregular pegmatite and scattered mica concentrations as reported in the professional paper.

If, as the applicant claims, another pegmatite has been uncovered and over $900.00 worth of mica has been taken from a small trench, the relatively modest 2-stage work program may be justified.

Appraisal of the new discovery is indicated and here recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-8/16/55

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

RECEIVED
AUG 17 1955

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

August 15, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 3945 (mica)

Applicant: E. H. Schwab

Name and Location of Property: Duke Mine, Upson County, Georgia

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/10/55

Comments:

1. From applicant's description, it is questionable if exploration is justified as the mine has produced good quality mica in the past and no evidence has been given to suppose the mine is worked out. It appears that the recommended work is development rather than exploration.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

Signed
W. F. Dietrich

DRIrving:mrw

Copy to: Division of Minerals
Br. of Ceram. and Fert. Mtls.
T. H. Kiilsgaard
F I L E S

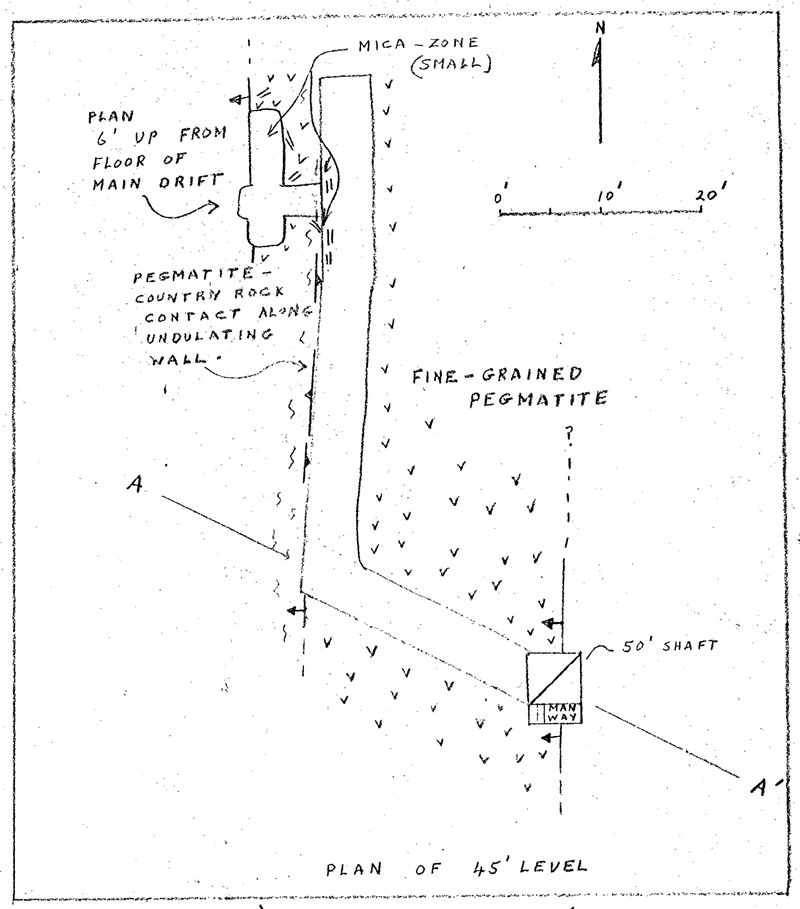
RECEIVED
AUG 16 1955

DUKE MINE

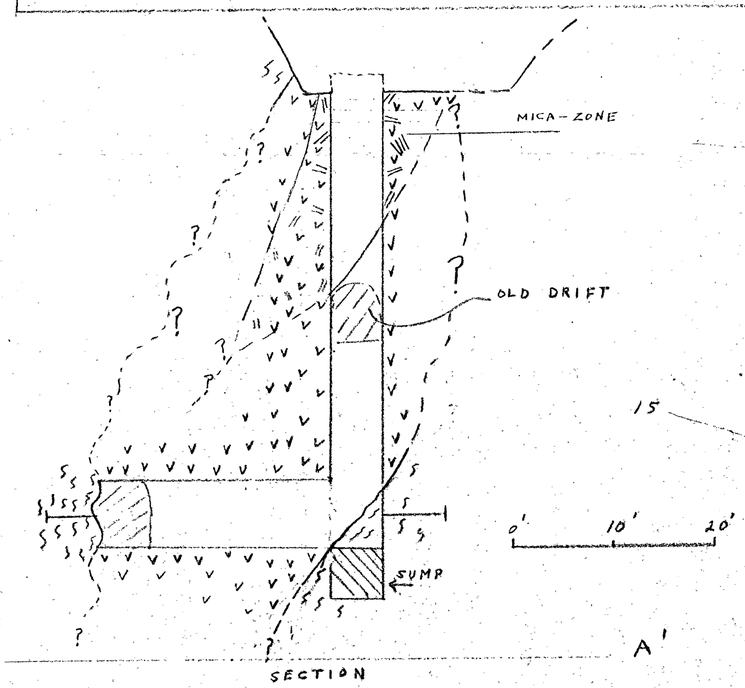
DMEA - 3945 (MICA)

UPSON CO., GA.

4-6-56



PLAN OF 45' LEVEL



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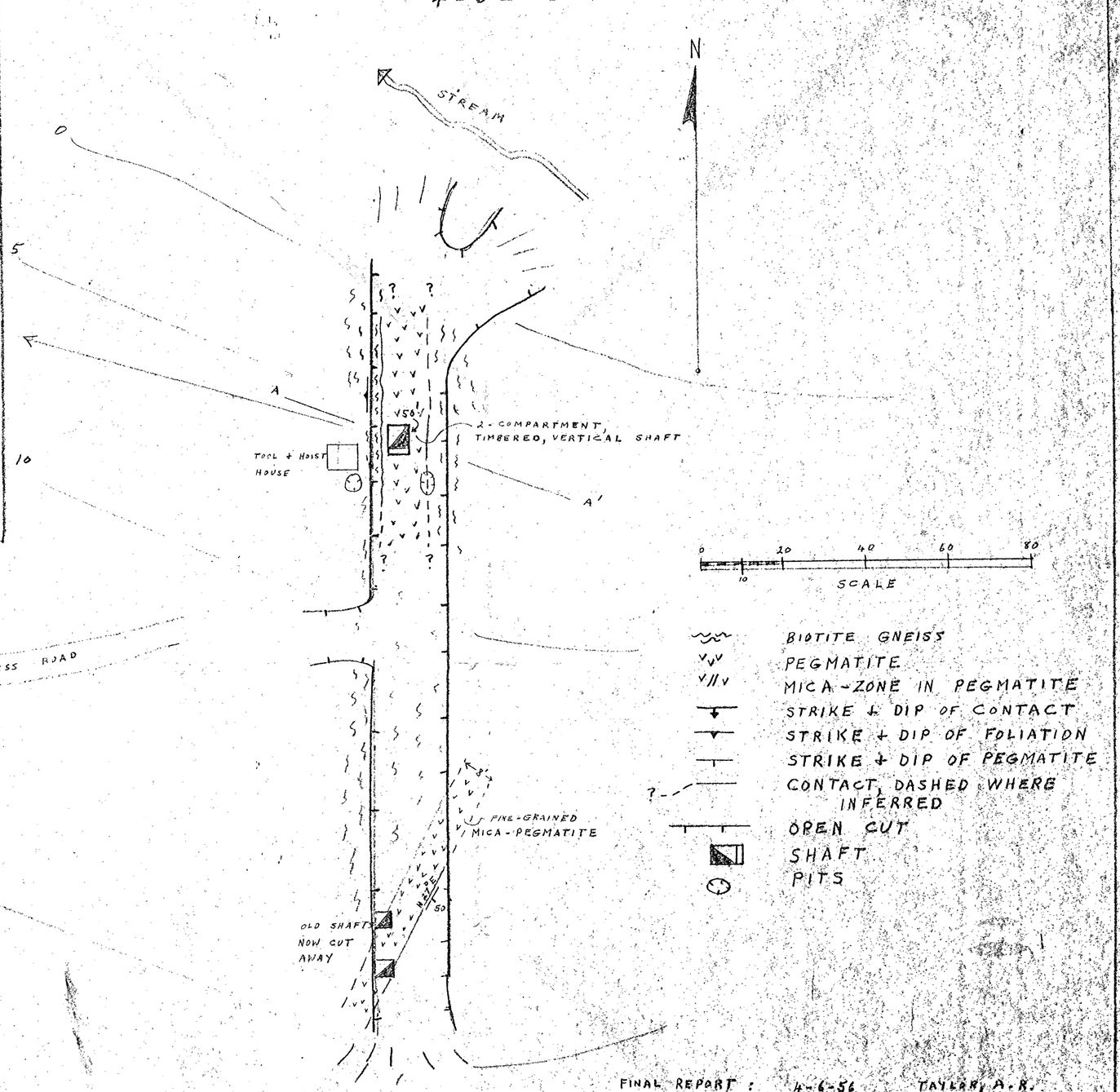

FINAL REPORT : 4-6-56 TAYLOR, A.R.