DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE E-980 DMEA NO. 4305

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Closing Letter
Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
✓ Report of Review
✓ Termination Notice or Agreement
Recision Notice
Assignment of Contract
✓ Contract Amendments (latest on top)
✓ Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) ✓ Interim Reports
(2R) ✓ Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) ✓ Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

R.C.S.

9775

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/4	Anderson	600
4/4	Hauk	600
" 7	Chambers	800
4/8	Selfridge	120
"	[illegible]	110
"	Hetherington	100
4/8	C	220
		600

APR 8 1958 600

Mr. Ernest Benjamin Wood
Route 1
Bowersville, Georgia

Re: Docket No. DMEA-4305-Mica
Ernest B. Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E980

Dear Mr. Wood:

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

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

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

Sincerely yours,

[illegible] (for)

Administrator

WCAnderson:rsi 4/4/58
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Operating Committee
Mr. Houk

8623

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Ernest B. Wood
Route 1
Bowerswille, Georgia

pertaining to Exploration Project Contract No. IAm-2980, DMEA No. 4305, including Amendment Nos. 1 and 2, for the months of August 1956 to July 1957, inclusive, covering a project for the exploration of mica on property, known as the E. B. Wood Mine located in Hart 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 correspondence, 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		$3,126.50
Exceptions:		
Prior to this review	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$3,126.50

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 Two thousand three hundred forty-four and 88/100 Dollars

$2,344.88

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

E. D. Talbert, Auditor

October 25, 1957

Government's copy

Britin
Lounge
Appropriation Officer
Anderson
Hunt
Chapplers
Selfridge

TERMINATION AGREEMENT

It is agreed this 21st day of August, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Ernest Benjamin Wood, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E980 (Docket No. DMEA-4305), dated July 23, 1956, as amended, that:

1. Effective July 26, 1957, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the fixed unit costs of work performed prior to said effective date.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

4. All of the rights of the Government provided for in the Contract with respect to a certification of discovery or development, percentage royalty and liens for its payment, records, and audits, and all rights to recover any overpayment, are preserved.

5. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By Frank E. Johnson
Administrator, Defense Minerals
Exploration Administration

ERNEST BENJAMIN WOOD

Ernest Benjamin Wood

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SEP 16
D.M.E.A.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/1/57	Anderson	600
8/1	Houk	600
		100
		220

600

August 1, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Director
Division of Nonmetallic Minerals LGH

Subject: Amendment No. 2 - Docket No. DMEA-4305-Mica
Ernest B. Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E980

The Division of Nonmetallic Minerals concurs in Amendment No. 2 to the subject contract as written and executed in the field. This amendment extends the completion date from June 23, 1957, as provided in Amendment No. 1, to September 23, 1957. It also extends the maximum period for royalty payments from 10 years to 11 years.

Amendment No. 2 is necessary because the contract was delayed due to labor shortage and equipment difficulties. Also the Operator had some disagreement with subcontractors which added to the delay. These difficulties seem to have been overcome, as the latest Interim Report indicates that the project has been resumed and some work has been done.

Walter C. Anderson
Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 8/1/57
Copy to: Admr. R. File
Mr. Houk

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

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 1957

DATE	INITIALS	CODE
7/15	PK	220
		130
		600

July 11, 1957

Memorandum

To: Operating Committee, DMEA Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Amendment No.2. DMEA-4305, Idm-E980-mica.
Ernest B. Wood, Bowersville, Georgia

Transmitted are three copies of the subject amendment, signed by the Operator.

This amendment extends the completion date to 14 months.

The usual distribution of the other copies has been made.

Robert A. Laurence

Robert A. Laurence

Government Copy
OFFICIAL FILE COPY
DMEA
RECEIVED
DATE

EXPLORATION PROJECT CONTRACT

ERNEST B. WOOD

DMEA-4305 (Mica)

AMENDMENT NO. 2

It is agreed this 3rd day of June 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Ernest Benjamin Wood, that Exploration Project Contract Idm-E980 (Docket No. DMEA-4305) dated July 23, 1956, be further amended as follows:

1. ARTICLE I is amended to provide for completion of the work within fourteen (14) months from the date of the contract, instead of eleven (11) months as stated in Amendment No. 1.

2. The maximum period for royalty payments and lien to secure the payment thereof is hereby extended to eleven years from the date of the Contract.

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

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

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

ERNEST BENJAMIN WOOD

Ernest B. Wood

Docket Copy

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 19 1957

DATE	INITIALS	CODE

EXPLORATION PROJECT CONTRACT

AMENDMENT No.1

DMEA-4305, E. B. Wood, Operator
(mica)

It is agreed this 11th day of February 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Ernest Benjamin Wood, that exploration project contract Idm-E980 (Docket No. DMEA-4305) dated July 23, 1956, be amended as follows:

ARTICLE I is amended to read..." shall complete the work within eleven months from the date of the contract".... instead of seven months as first written.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute nor the agreed unit cost of any item of work.

Executed in sextuplicated the day and year first above written.

ERNEST BENJAMIN WOOD

Ernest Benjamin Wood
Operator

THE UNITED STATES OF AMERICA

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

z

Docket Copy

MF-200A
(Rev. April 1956)

RECEIVED
AUG - 8 1956

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

DMEA No.	*Commodity*	*Contract No. Idm–E*	*County*	*State*
4305	Mica	980	Hart	Georgia

It is agreed JUL 23 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Ernest Benjamin Wood

whose mailing address is Route No. 1
Bowersville, Georgia
hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) 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 Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before SEP 15 1956, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within seven months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $6,348.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $4,761.00, in accordance with the provisions of Articles 4 and 5.

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

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: None

(b) 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: None

(c) 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. 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. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(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 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 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. 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 will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *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 all pertinent books, documents, papers, and records of the Operator.

(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 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), 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 (for example, if the Operator either transfers or fails to retain his interest in the land), shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

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

(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 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.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

ERNEST BENJAMIN WOOD

(Operator)

By Frank E. Johnson

ACTING Administrator, Defense Minerals Exploration Administration

By Ernest B Wood

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: 1956—O-383069

Indrutz 7/18/56

"Appd. Sol. Off."

Hopkins

Hook

Talbert

Selfridge

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AUG - 8 1956

EXPLORATION PROJECT CONTRACT
ERNEST BENJAMIN WOOD
DOCKET NO. DMRA-4305

ANNEX I

The land referred to in Article 2 of the Contract is owned by the Operator and is described as follows:

> All that tract or parcel of land, lying and being in Town District, Hart County, Georgia, approximately 6.1 airline miles N 70° W of the center of Hartwell, Georgia, and containing 35 acres more or less, which is known as the E. B. Wood Mine and is bounded on the north by Wesley Burns; on the east by Grayt Craft and John Vasser; on the south by Curtis Ankerich; and on the west by Curtis Ankerich.

EXPLORATION PROJECT CONTRACT
ERNEST BENJAMIN WOOD
DOCKET NO. DMRA-4305

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AUG - 8 1956

EXHIBIT "A"

Description of the Work

The approximate location of the exploration is shown on Map No. 1 entitled, "E. B. Wood Mine, DMRA-4305 (Mica) Hart Co., Ga." and Map No. 2 entitled, "Professional Paper 248, Plate 25, Index Map of the Georgia Portion of the Hartwell District . . . . showing locations of Mica Deposits," attached hereto and made a part hereof.

The work shall be performed in two stages. The Operator shall perform all of Stage I and as much of Stage II as is approved by the Government in writing.

All work shall be timbered as necessary.

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

Stage I

1. Prepare by bulldozing a shaft site having approximate dimensions of 100 feet by 15 feet by 10 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 doors shall be securely locked with the equivalent of a 5-tumbler jarproof lock.

2. Sink a two-compartment shaft as nearly as practicable on the pegmatite, having minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber, a distance of 60 feet.

3. Drive 100 feet of drift and/or crosscut having minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

Fixed Unit Costs

Stage I

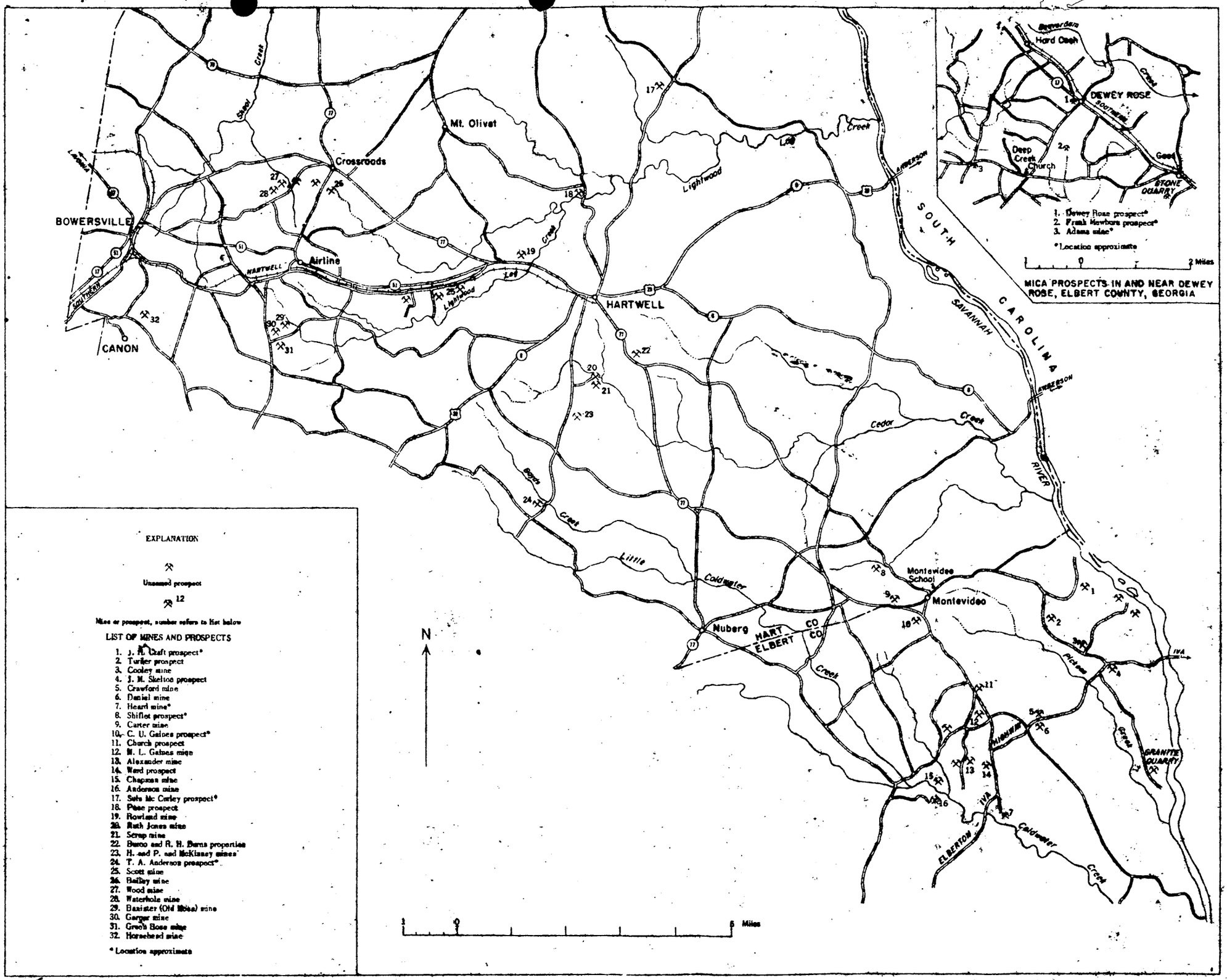
1. Shaft site preparation, excavate 555 cubic yards weathered rock @ $0.40/cu. yd. $ 222.00

Stage II

1. Construct:

Toolhouse 1/	$75.00		
Powder Magazine 1/	26.00		
Exploder Magazine 1/	15.00	116.00	
2. Shaft sinking, 60 feet @ $43.50/ft.		2,610.00	
3. Drive 100 feet of drift and/or crosscut, 100 feet @ $34.00/ft.		3,400.00	
Estimated Total Cost of Project			$6,348.00
Government Participation @ 75%			$4,761.00

1/ The completed work constitutes the unit.

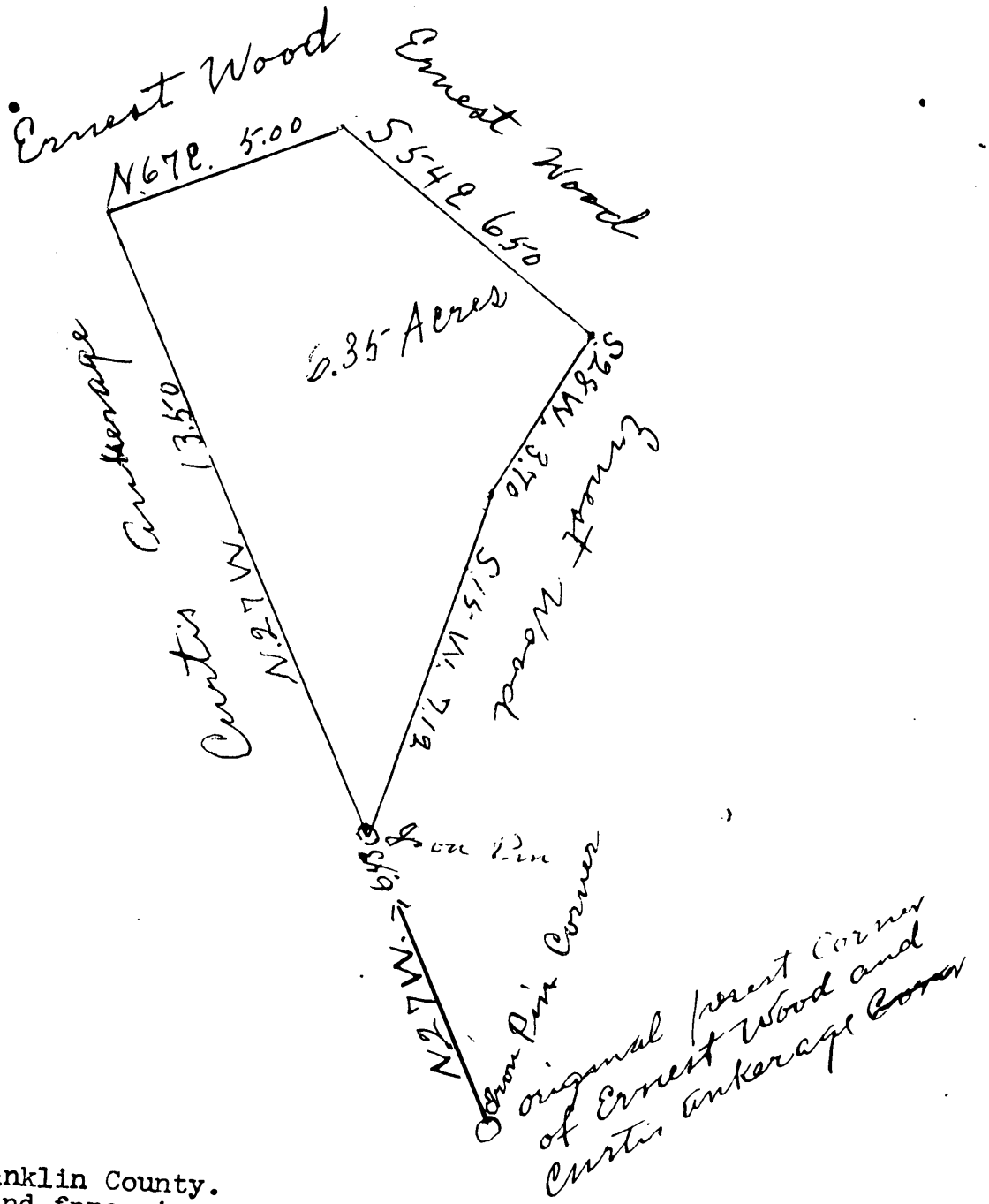


Map No 2 INDEX MAP OF THE GEORGIA PORTION OF THE HARTWELL DISTRICT OF GEORGIA AND SOUTH CAROLINA, SHOWING LOCATIONS OF MICA DEPOSITS

234911

234911 O - 53 (In pocket)

20



Georgia Franklin County.
The above and foregoing plat represents a lot of land in the 1112th District G.M. of Hart County, Georgia, surveyed by me for Ernest B. Wood on the 7th day of July 1956, The beginning corner is found by measuring a line from the original Iron Pin corner of Ernest B. Wood and Curtis Ankerage, North 27 degrees West 6.43 chains, with original line running between said parties, and from that point the 6.35 acre lot begins as shown by said plat

G.A. Adams
Registered Surveyor
Certificate Number 415.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
MAY 23 1956

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

Not to be filled in by applicant

Docket No. DMEA-4305
Metal or Mineral MLCA
Date Received 5/23/56
Estimated Cost $8,000.00
Participation (Government %)

INSTRUCTIONS

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

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

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

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

RECEIVED
MAY 22 1956

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract All that tract or parcel of land lying and being in Town District, Hart County, Georgia, containing 35 acres more or less, being bounded on the north by Tensley Burns; on the east by Grayt Craft and John Vassar; on the south by Curtis Ankerich; and on the west by Curtis Ankerich.

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

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application, (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

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MAY 22 1956
U.S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Mica

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

(*c*) The work will start within 60 days and be completed within 4 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [X] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated May 21, 1956, 195__

Ernest B Wood
(Applicant)

By

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

RECEIVED
MAY 23 1956

ERNEST B. WOOD, ROUTE ONE, BOWERSVILLE, GEORGIA
Additional information to accompany Form MF-103 5/21/56

4. Physical description.

Described land was mined for mica in 1945. Mining operations were conducted by hand to a large extent. Operations were suspended in 1946 due to the death of father of this applicant ins mica mine cave-in. Applicant worked in mines during 1945 and 1946, but since that time has been working at other jobs. Applicant would like to determine if mines can be operated profitably and determine locations of deposits. Mine workings can be examined by travel in auto or on foot.

(b) There is no current production.

(c) Mica has been mined from this land and applicant wants to start operations again if found to be present in sufficient quantities.

(d) Project can be reached very easily as road goes by land. Land is 7 miles from Lavonia and 7 miles from Hartwell, both rail shipping points. Land is one mile from paved road which joins with paved roads leading everywhere. Supply and residence points are 7 miles to Hartwell and Lavonia.

(e) Manpower, materials, supplies, equipment, water, and power are available in sufficient quantities.

5. The exploration project.

(b) Two separate mines have been worked in 1945 and 1946. They have been filled up for safety reasons.

(d) Applicant will do most of exploration work himself, but will call on experienced men from other mines operating in vicinity.

6. Estimate of costs.

(a) Applicant does not know the costs, but estimates that $8,000.00 may be a sufficient amount.

(b) Applicant does not know the types of labor to be necessary.

(c) Applicant does not know the items of equipment necessary.

(d) Applicant thinks a bulldozer and water pump will be necessary costing about $6,000.00 or more.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROOM 13 POST OFFICE BLDG
KNOXVILLE 2, TENN.

March 31, 1958

APR 2 1958

Memorandum

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

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

Subject: Docket No. DMEA-4305, Contract No. Idm-E980 (Mica)
Ernest B. Wood, Bowersville, Georgia
E. B. Wood mine, Hart County, Georgia

Reference is made to your letter of March 14.

In reply to our inquiry, Mr. Wood wrote "I do not know how much mica Medford sold, as I have never gotten any finals and he is not working here any more."

Mr. Beck examined the records at the Spruce Pine Depot, and was unable to find record of any sales from the E. B. Wood mine, by Mr. Medford or anyone else. If any Wood mica was sold, it must have been mixed with sales from other Georgia mines.

We do not think any significant amount of royalty is unpaid, and there is no way of definitely establishing it.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

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

March 20, 1958

RECEIVED MAR 24 1958

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Mr. H. Lee Medford

Altapass, North Carolina

Re: DMEA-4305, Idm-E920-mica
E. B. Wood Mine
Hart County, Goergia

Dear Mr. Medford:

It is my understanding that you mined and sold some mica from the E. B. Wood tract since July 23, 1956. This mica is subject to the Government's 5 per cent royalty under the terms of the cited contract.

As I understand it, you mined on both sides of the property line. Please send me at your earliest convenience copies of the sale slips showing the amount and value of the mica taken on the Wood tract.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/sm
cc
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

March 20, 1958

Mr. Ernest B. Wood

Bowersville, Georgia

Re: DMEA-4305, Idm-E980-mica
E. B. Wood Mine
Hart County, Georgia

Dear Mr. Wood:

Apparently Mr. H. Lee Medford, of Altapass, North Carolina, mined and sold some mica from the E. B. Wood property after the date of execution of the exploration contract. Therefore, the Government is due the 5 per cent royalty on these sales.

It is our understanding that Mr. Medford mined on both sides of the property line. Therefore in order to determine how much royalty is due, we need to know how much was mined on the E. B. Wood tract. Did Mr. Medford pay you a land owner's royalty, and if so, how much? Please let me know, if you have any information on the amount and value of the mica Mr. Medford obtained on your property? The 5 per cent royalty may be paid either by Mr. Medford or by you. Please send me your check for 5 per cent of the value of the mica or notify me if your agreement with Mr. Medford provides that he is to pay it.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/zm
cc
Opr. Com.-2

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Project Summary Report

March 13, 1958

1. Docket No. DMEA-4305-Mica
Contract No. Idm-E980
E. B. Wood Mine
Hart County, Georgia

Application: Form MF-103 (Revised April 1952) dated May 21, 1956.

Work proposed by Applicant:
Rehabilitate two separate mines and purchase bulldozer and water pump $8,000.00

Operator: Ernest B. Wood
Route 1
Bowersville, Georgia

Operator's property rights: Owner.

2. Contract dated July 23, 1956

Work authorized:

Stage I
Shaft site preparation, excavate 555 cu. yds. weathered rock @ $0.40 cu.yd. $222.00

Stage II
Construct: Toolhouse, Powder and Exploder Magazines 116.00
Shaft Sinking 60 ft. @ $43.50/ft. 2,610.00
Drive 100 feet of drift and/or cross-cut @ $34.00/ft. 3,400.00
Estimated Total Cost of Project $6,348.00
Government Participation @ 75% $4,761.00

Amendments:
No. 1, dated February 11, 1957, to allow an additional four months to complete the work.

No. 2, dated June 3, 1957, to allow an additional fourteen months instead of eleven months to complete the work. Maximum period for royalty payments extended to eleven years from date of contract.

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Work completed:

Trench excavation 555 cu.yds.	$222.00
Construction of new buildings	116.00
Shaft Sinking 43 ft. @ $43.50	1,870.50
Drifting, 27 ft. @ $34.00/ft.	918.00
Total cost of project	$3,126.50
Government participation 75%	$2,344.88

Work began August 17, 1956, and was terminated July 26, 1957. Field Team Final Report received March 5, 1958, Operator's Final Report received October 11, 1957. Royalty paid, $16.75. No equipment was purchased under the contract.

3. Audit: Report of Review issued October 25, 1957.

Total accepted cost	$3,126.50
Government participation 75%	$2,344.88

4. Certification of discovery: None

5. Comments:

Rate of progress: Slow. There was a water problem and labor was not efficient. The operation was fair. Engineering, poor. Geologic premise wrong.

Overall target: Examination Report, at least 15' thick and of unknown strike length. Conformable. Also from Examination Report "Mica is clear flat strategic muscovite". Pegmatite apparently unzoned according to the Field Team.

Geologic Premise: There is no continuous clearly defined mica shoot although the mica is said to be abundant in the bottom of the open cut.

Past production: Was 47 pounds of mica during Colonial days.

Contract work developed that there were two irregular pegmatites each three to six feet from the surface of unknown strike length. 24.06 pounds of sheet, valued at $333.00 was sold as a result of the contract work. No favorable criteria were developed. The DMEA shaft was placed too close to old workings.

Unfavorable factors were small displacement, post-pegmatite faults. The area is highly metamorphous. Poor textural environment pinching out of pegmatite both down dip and to the north and to the south old workings were encountered.

Future possibilities: No additional work is justified and no certification is recommended.

Recommendations: The Division of Nonmetallic Minerals concurs with the Field Team that the project should not be certified and the Commodity Members of the Geological Survey and the Bureau of Mines also concur.

Form 7
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"	Hutchison	100
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MAR 14 1958

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

Re: Docket No. DMEA-4305-Mica
Ernest B. Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E930

Dear Mr. Laurence:

The Final Field Team Report states that Lee Medford, the adjoining property owner, has produced mica from both sides of the common property line with Ernest B. Wood. Since he recovered a considerable amount of high grade block mica, it will be necessary for the Field Team to find out the portion for which DMEA is entitled to royalty and make an effort to collect it. The pertinent question seems to be whether E. B. Wood received royalty from Lee Medford and how much.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

Frank D. Lamb (FDL)
Member, Bureau of Mines

N. E. Nelson (NEN)
Member, Geological Survey

LGHouk:gad 3/14/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

March 14, 1958

Justification for denial - Docket No. DMEA-4898-Mica

Background:

The results of our work in this area have been disappointing. There have been three DMEA contracts within 1,500 feet of the proposed work. Two completed without certification and one in force.

The Bray (Waterhole) DMEA-4351 is 350 feet about N 40 W from the Taylor #2 Prospect. The examination report stated: "Flat and clear ruby muscovite is abundant in a zoned 7 foot (possibly 20 feet) thick pegmatite." The bulldozing and subsequent work disclosed the pegmatite to be 6 - 10 feet thick, - target pegmatite plunged southward out of shaft at 23 feet. The additional 37 feet of shaft and 84 feet of drifting on 55 foot level could have been more effectively used on the target pegmatite. The exploration was unsuccessful. The Field Team states: "Discordant, fracture - controlled pegmatite locally appear to have little vertical extent."

The E. B. Wood, DMEA-4305. 1,200 feet N.30E. Field Team premise "clear and flat strategic muscovite is in a mica bearing pegmatite of large size." It developed there were two pegmatites 3 to 6 feet wide on surface. The H W pegmatite pinched out down dip and to the north and to south old workings were encountered. The F.W. pegmatite had poor textural environment with little or no mica potential. Terminated prior to completion. Spent G.P. $2,344.88 on 43 foot shaft and 27 foot drift - 24.06 lbs. produced during contract.

The Taylor Prospect, DMEA-4534. Taylor #1 - 1,350 feet N. 30 W. of Taylor #2. The examination reports strong mica bearing pegmatite of excellent mineralogical and textural environment - concordant. Strong 3 foot massive quartz core. Quality of mica excellent - bulldozing exposed body 75 feet long 8 feet wide at center, tapering to 3-4 foot at ends with 5 foot quartz core. Core left shaft at 12 feet. Produced 200 lbs. from shaft, 2,000 lbs. from drift. Examiners strongly recommend 70 feet of additional work. We are reluctant until evaluation made. Amendment granted.

Taylor #2 - Mica rich pegmatite body more than 40 feet long and 14 feet wide.

Docket No. DMEA-4305-Mica
Ernest B. Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E980

E.R. 6/21/56

Summary: Clear and flat strategic muscovite is in a mica-bearing pegmatite of large size.
Geology: A mica-bearing kaolinized (apparently unzoned) pegmatite dike at least 15 feet thick and of unknown strike length, is exposed for a maximum distance of 40 feet in the northernmost cut. The country rock is a weathered garnetiferous sillimanite-mica schist.

I.R. 9/20/56

The body is 3 to 5 feet thick and considerable mica recovery resulted in medium-sized books of excellent quality mica, most of which contained mud or surface stain.

I.R. 11/1/56

About 800 pounds of excellent quality ruby mica, free of mineral stain has been produced from shafting to date.

I.R. 7/25/57

A total of 27 feet of drift has been completed from the 30-foot shaft level.

Work completed under contract consisted of sinking a vertical and inclined shaft to a total depth of 43 feet. ~~[illegible]~~ 13 feet of shaft followed a thinning body which pinched out downdip. Instructions were given for flooring the shaft at the 30-foot level. Ten feet of drift was driven in a N 35° E direction, following a thinning body which wedged out completely. A second drift was driven on a pegmatite exposed at the 30-foot level on the footwall side of the shaft and consisted of 17 feet in a N 18° W direction.

Work set out in the Contract:

Preparation (shaft site)	$222.00
Construction	$116.00
60 ft. of shaft $43.50/ft.	2,610.00
100 ft. drift $34.00/ft.	3,400.00
Total	$6,348.00
G.P. 75%	$4,761.00

~~Work accomplished:~~

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

March 10, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4305 (mica)

Applicant: Ernest B. Wood

Name and Location of Property: E. B. Wood Prospect (mica)
Hart County, Georgia

Contract Number: Idm-E 980

Date of Field Team Final Report: March 3, 1958

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: March 6, 1958

Field Team Recommendation: Recommend that no certification be made.

Comments;

1. Two lenticular pegmatites were explored under DMEA contract by bulldozed trenching, shafting and trenching.

2. This is an old mined area where parallel lenses have been mined in the past.

3. Contract work was terminated before all the approved work was completed because of pinching-out of the target pegmatite lenses, and unfavorable environment for strategic mica was encountered.

4. Expenditures -

Total approved	$6,348.00
Total cost of project	3,126.50
Gov't. share of cost	2,344.88
Value of production	334.96
Royalty paid to date	16.75

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

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

OFFICE DMEA RECEIVED MAR 10 1958

DATE	INITIALS	
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March 7, 1958
Re: DMEA 4305 Idm-E980
Ernest B. Wood
Hart County, Georgia
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 authorized the expenditure of $6,348.00 on work on a pegmatite or pegmatites on which work had previously been done.

A shaft 43 feet deep and drifts from it followed one pegmatite to extinction vertically and a second horizontally. As very little strategic mica was found in either pegmatite and the environment was judged to be unfavorable, the contract was terminated July 26th, 1957, $3,126.50 having been spent. Mica worth $334.96 was recovered and sold and royalty in the amount of $16.75 was remitted.

The examiners and Field Team recommend that certification not be made. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

3-5-58

Do not send
Final Field Team
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DMEA Form 7
(12-56)

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

Re: Docket No. DMEA-4305-Mica
Ernest B. Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E980

File

Dear Mr. Laurence:

Reference is made to the Field Team's memorandum of October 11, 1957, stating that "An adequate final engineering and geological report has been received and forwarded to Washington."

A search of our records indicates that only the Operator's Final Report has been received in this office. Kindly forward the Field Team Final Report at your earliest convenience.

Sincerely yours,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

Not Sent

LGHouk:gad 3/5/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POSTOFFICE BLDG.
KNOXVILLE 2, TENN.

WASHINGTON 25, D.C.

March 3, 1958

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Memorandum

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

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

Subject: Final Report - Docket No. DMEA-4305, Contract No. Idm-E980
Ernest B. Wood, Route 1, Bowersville, Georgia
E. B. Wood Prospect (Mica), Hart County, Georgia

Enclosed are the original and two copies of the subject final report. The Field Team is in agreement that no certification be made.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 3

Reviewed by
DMEA OPERATING COMMITTEE
3-7-58
(date)

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RECEIVED MAR 5 1958

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UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

FIELD TEAM - REGION V

DMEA-4305, Idm-E980, E. B. WOOD PROSPECT (Mica)
Hart County, Georgia

S. C. Bergman, Geologist
U. S. Geological Survey

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

Reviewed by
DMEA OPERATING COMMITTEE
3-7-58
(date)

March 3, 1958

Final Field Team Rpt.

FIELD TEAM FINAL REPORT

DMEA-4305, Idm-E980, E. B. WOOD PROSPECT (Mica)

Hart County, Georgia

Operator: Ernest B. Wood, Route 1, Bowersville, Georgia

SUMMARY

Two irregular, lenticular (?) pegmatites were explored with staged bulldozer trenching, 43 feet of vertical and inclined shaft and two northerly branching drifts, totaling 27 feet of level work from a point 30 feet below the shaft collar. The hanging-wall structure thins and pinches out down dip and to the northeast. It contains irregular zones in increasing proportions of fine grained material at and below the drift level. The footwall structure is a thick fine-grained pegmatite with little or no mica potential. No productive areas were outlined by the contract work, and little potential exists to the south because of the presence of old works. No certification of discovery can be recommended.

Subsequent to the contract work, another Operator bulldozed the southern extentions of the pegmatite zone, and recovered a considerable amount of high grade block muscovite from excavations on both sides of the nearby property line.

INTRODUCTION

Location

The prospect is located on open, moderately-dissected pasture and worn out cotton land, immediately northwest of the Crossroads-Bowersville road. It is 2.75 airline miles N. 73° E. of Bowersville, and 6.15 airline miles N. 70° W. of Hartwell, Hart County, Georgia. The site is location 27 on Plate 25 of USGS Professional Paper 248-E, part 7, Hartwell District, Georgia and South Carolina by W. R. Griffitts and J. C. Olson.

Previous Work

Mining at the site dates back to 1919, when it was worked by a Lonnie Allen. It was variously worked by a Mr. Fox in 1941, Henry Grindstaff in 1944, and by Joe and Ernest Wood in 1944-46. The elder Wood was killed by a cave-in in the old shaft shown on the report map. Several subparallel pegmatites have been surficially and intermittently excavated over a north-northeast strike distance of approximately 250 feet. The contract shaft is located near or at the south end of the excavations shown on figure 199 (page 311) of the Professional Paper, but could not be definitely tied in to them.

Contract Work

Stage I of the contract was started on August 17, 1956, and the underground Stage II work terminated short of completion as of July 26, 1957. A trench 125 feet long, 15 feet wide, and an average of 5 to 8 feet in depth was excavated more or less along strike in a N. 10° W. direction. Shaft was collared on an exposed 3- to 5-foot thick pegmatite, and sunk a total of 43 feet, 20 feet vertically and 23 feet inclined steeply to the east, until the more favorable hanging-wall structure had pinched out down dip. At about the 30-foot level, a total of 27 feet of drift was driven to the north in two segments. A thick fine-grained pegmatite was followed 17 feet N. 18° W. in hopes of intercepting coarse textured mica-bearing zones such as are exhibited in the hanging-wall structure, which was followed 10 feet N. 35° E. at which point it had pinched out completely. Termination was recommended at this point because of the unfavorable environment encountered, both textural structural. No level work was done to the south because of the proximity

of old works well below the drift level. Contract work was extremely slow and inefficient, partly because of the Operator's inexperience and partly because of an inability or an unwillingness to obtain the proper operating equipment. A tool house and magazines were constructed as part of the contract.

GEOLOGY

Two parallel pegmatites were followed by the contract work. They occur near or at the south end of the pegmatite exposures outlined on figure 109 of USGS Professional Paper 248, but their exact relative location is unknown. For details on the geology of the earlier exposures, reference is made to page 312 of the paper cited above.

Two roughly parallel, north-northeast striking pegmatites exposed in the contract bulldozer trench, each 3- to 6 feet thick and of unknown strike extent. The geologic relationships near or at the surface are obscured by the very high metamorphic rank of the area with its superimposed almost complete residual weathering.

The structures are generally concordantly emplaced, but occasional acute angles between the pegmatite contacts and the foliation were noted. The country rock adjacent to and between the pegmatites is a coarse grained feldspathic quartz-biotite gneiss with numerous coarse augen of plagioclase and minor quartz. The dominant rock type appears to be a relatively hard unweathered, garnetiferous sillimanite, mica schist whose foliation strikes N. 10-50° E. and dips 50-70° southeast. Several small displacement, post-pegmatite faults were encountered in the shaft and drift work. These structures strike N. 60° E. and dip 45-55° southeast, are open and draining large amounts of ground water into the contract openings.

The two pegmatites strike N. 10-25° E. and dip 65-75° southeast. The footwall pegmatite is estimated to be 3 to 6 feet thick although the footwall contact was not cut underground. It is entirely a fine-grained aggregate of plagioclase, interstitial quartz, and minor muscovite. The hanging-wall pegmatite tapers from 3 to 5 feet in thickness at the surface to 1 - 1½ feet at the drift level and to extinction below. It tapers rapidly to extinction within 10 feet to the northeast. Near the surface, pegmatite is an unzoned aggregate of medium-coarse grained plagioclase, interstitial quartz, and muscovite. Near the drift level, large, sharply defined areas of fine grained material similar to the footwall pegmatite were encountered and muscovite content was much less. From mica recovered during the contract, a total of 24.06 pounds of sheet valued at $334.96 was sold at an average of $13.92 per pound. The exact amount of block represented is not known. Slightly over 50% of the sheet was in the good stained or better grades. The muscovite is a clear light reddish-brown color in flat books up to 4 x 5 inches across. Clay staining from the residual weathering was the only bad defect noted. It is reported that some pegmatites or structural positions carry block that is badly tangled or intergrown, but none of this was noticed in the contract work.

CONCLUSIONS AND RECOMMENDATIONS

The poor textural environment encountered as well as the pinching out of the target pegmatite both down dip and to the north, led to the premature termination of the contract work. No productive pegmatite was outlined in the shaft and drift area and none could be described to the south because of the presence of old works in that direction. Certification of discovery is not recommended.

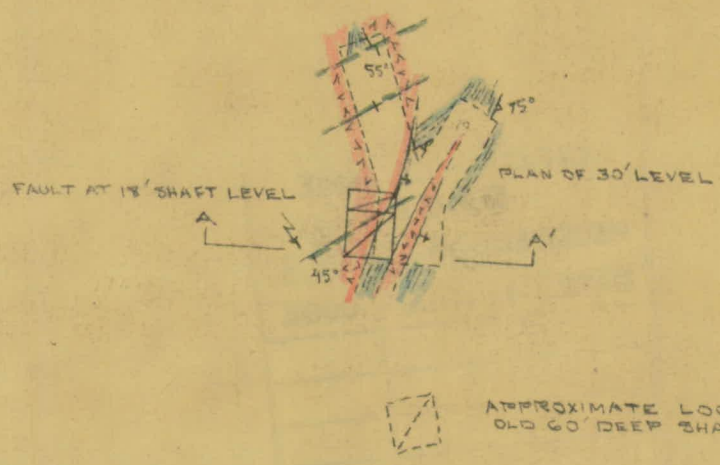
Subsequent to the contract work, Mr. Lee Medford of Altapass, North Carolina, bulldozed several large trenches to depths of 10 to 15 feet south of the contract shaft, on both sides of the nearby property line. Reportedly, a considerable amount of high grade block muscovite was recovered. It is not known what proportion of the block came from the Wood property.

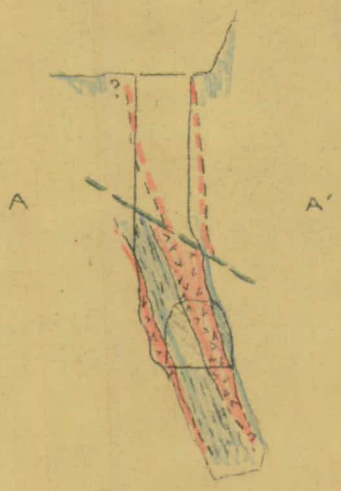
EXPENDITURES

(a)	Total approved	$6,348.00
(b)	Total cost of project	3,126.50
(c)	Government's share of cost	2,344.88
(d)	Government's share unexpended	2,416.22
(e)	Value of production	334.96
(f)	Royalty paid to date	16.75

S. C. Bergman, Geologist
U. S. Geological Survey

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





E. B. WOOD PROSPECT
HART COUNTY, GEORGIA

DMEA-4305, Idm-E980
(MICA)

- PEGMATITE (UNDIFERENTIATED)
- FELDSPATHIC QUARTZ-BIOTITE GNEISS (AUGEN)
- PLAN PROJECTION OF UNDERGROUND WORKINGS
- FAULT TRACE

SCALE: 1" = 20'

SCB 2/57

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 5 1958

DATE	INITIALS	CODE

November 5, 1957

Memorandum

To: Jay L. Chambers, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Personal Assistant, Electrotechnical Experiment Station, Norris, Tennessee

Subject: Monthly reports and vouchers - DMEA

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

Idm-E980 Ernest B. Wood
Docket No. DMEA-4305
6th and final payment - month of July
Termination Date: 7/25/57
Amount $688.50

Idm-E1079 Ralph Burdette
Docket No. DMEA-4615
5th and final payment - month of October
Completion Date: 10-17-57
Amount $692.62

Idm-E1086 Howard McKinney
Docket No. DMEA-4646
5th payment - month of October
Amount $462.00

Helen H. Miller

Attachments
/hhm
Copies to R. A. Lawrence
V. J. Lynch
Norris files
Day files

EXTRA COPY
DMEA
RECEIVED NOV 8 1957

DATE		CODE
11/7	gb	220
"	FEI	110
		600

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

Budget Bureau No. 46-R103675

RECEIVED
D.M.E.A.

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 July, 1957 Docket No. DMEA 5305 Contract No. Idm-E980
Operator's Name Ernest B. Wood Minerals mica
Address Bowersville, Georgia
Contract Amount, $6348.00 Government Participation: 75 % Amount, $ 4761.00

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						
Crosscutting						
Drifting	918.00	--	918.00			
Shaft		1870.50	1870.50			
(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.		116.00	116.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Trenching		222.00	222.00			
(8) Contingencies (specify):						
TOTALS	918.00	2208.50	3126.50	918.00	2208.50	3126.50

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 7-31-57 *Payee Ernest B. Wood
Per _____ Title Operator

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 688.50
Signature Helen R. Melin
(Authorized Certifying Officer)
Date NOV 5 1957 Vou. No. _____
(See other side)

329.50

(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. E-980 in accordance with the terms of the contract.

Signature N. B. Lynch Title ~~U. S. BUREAU OF MINES~~ MINING ENGINEER Date OCT 31 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA FIELD TEAM ~~REGION V~~ Date OCT 31 1957

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

RECEIVED NOV 7 1957 D.M.E.A.

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

Month of July 1957 Docket No. DMEA 4305 Contract No. Idm-E980

Operator's Name Ernest B. Wood Minerals mica

Address Bowersville, Georgia

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	Ft	918.00	27	918.00	27	34.00	100	34.00
Crosscutting								
Raising								
Shafts	Ft			1870.50	43	43.50	60	43.50
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching	cu.yd			222.00	555	.40	555	.40
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS								
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc			~~116.00~~	116.00				
TOTAL COSTS		918.00		3126.50				

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 7-31-57 Operator Ernest B. Wood

Per 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)

V. J. Lynch
MINING ENGINEER
U. S. BUREAU OF MINES

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

Op[illegible] : [illegible]erators daily [illegible]eport far [illegible]y.

July I. Drove approximately 2½ ft per day drifting.

July2, Drove app. 2 ft per day drifting.
July3, Drove 2½ ft per day drifti ng.

July4, Drove 2½ ft per day drifting

July 5, Drove 2½ ft per day drifting.

July I5, Drove 2½ ft per day drifting.

July I6, Drove 2½ ft per day drifting.

July 22, Drove 2½ ft per day drifting.

July 23, Drove 2½ ft per day drifting.

July 24, Drove 2½ ft p r day drifting.

July25, Field Men visited the mine and close it.

10 days 27 ft

EXTRA COPY
D.M.E.A.
RECEIVED NOV 7 1957

DATE	INITIALS	CODE
11/7	gb	220
		110
11/8	[illegible]	600

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/28	Talbert	800
10/28	gt	220
		600

OCT 28 1957

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

Re: Docket No. DMEA-4305 (Mica)
Ernest B. Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E980
and
Docket No. DMEA-4615 (Mica)
Ralph Burdette
Knight No. 2 Mine
Greenville County, S. C.
Contract No. Idm-E1079

Dear Mr. Laurence:

As requested in your memoranda of October 22 and October 23, 1957, a Report of Review in lieu of a final audit of the referenced projects has been prepared. The original and three copies of each report, together with the original of the final MF-104's submitted with your memoranda, are enclosed.

If you concur with the facts stated in these Reports of Review, the original and one copy of each Report of Review should be released to the regional finance officer, one copy should be forwarded to each Operator, and one copy of each should be retained in your files. If for any reason you do not concur, please return the original and all copies of the reports to this Division with your comments.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Director
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
October 28, 1957

Copy to: Docket (2)
Admr. Reading File
Helen R. Miller
Mr. Chambers

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/15	Talbert	800
10/15	C	220
10/16	WWa	600

OCT 15 1957

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

Re: Docket No. DMEA-4305 (Mica)
Ernest B. Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E980

Dear Mr. Laurence:

By memorandum dated October 11, 1957, the enclosed final (July 1957) Forms MF-104 and MF-104A were submitted with request for the issuance of a Report of Review in lieu of a final audit of the referenced project.

This final MF-104 claims total costs of $1,140.00 and the MF-104A indicates total costs of $2,546.00, whereas the contract costs of project work accepted by the Field aggregates $3,126.50. Under the circumstances it appears that issuance of a Report of Review must be deferred until an adequate voucher and progress report are submitted to this Division.

It is suggested that the enclosed forms be returned to the Operator with a request for submission of a revised claim covering costs for all units of work performed. The Operator also should be requested to sign the payee's certification in ink.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
October 14, 1957

Copy to: Docket
Admr. Reading File
Helen R. Miller
Mr. Chambers
Mr. Talbert

8623

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

October 11, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957

DATE		CODE
10/14	C	220
10/14	wa	600

Memorandum

To: Jay Chambers, Director, Contract Admin. & Audit Div.

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

Subject: Request for Report of Review - DMEA-4305, Idm-E980. Ernest B. Wood, Bowersville, Georgia. (mica)

Work on this contract was terminated by mutual agreement, August 21, 1957.

The following units of work were completed as verified by our Field Examiners:

1. Toolhouse, powder magazine and exploder magazine constructed.
2. Excavated 555 cubic yards of material in exploration trench.
3. Sank shaft 43 feet.
4. Drove 27 feet of drift.

An adequate final engineering and geological report has been received and forwarded to Washington.

A copy of the Operator's final monthly report and voucher is attached. A report of review is requested.

VJL/sm.
cc:
Opr. Com.-2
Lynch
Files

V. J. Lynch

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

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957

DATE	INITIALS	CODE
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10/14	[illegible]	600

ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

October 11, 1957

Memorandum

To: Operating Committee - DMEA - Washington

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

Subject: Operator's Final Report: DMEA-4305, Idm-E980-mica.
Ernest B. Wood, Bowersville, Georgia.
E. B. Wood Prospect, Hart County, Georgia

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

V. J. Lynch

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

S. C. Bergman

S. C. Bergman, Geologist
U. S. Geological Survey

z

Operator's Final Rpt

The Final Report Far The Wood Mine.

I started mining in August of I956. I paid $222.00 far bulldozing.
I worked 3 men most of the time. As soon as I finished bulldozing
I started the shaft. We sank the shaft approximately I5 ft, the
month of August I956.
I also built the tool house, powdeer magazine, exp. magazine, which
cost $II6.00. The shaft far the month of August cost $652.50
E
Each day that was permissiable to work ,we would dynmite add clean
out the muck, and repair any thing that needed fixing.

The month of November we sank the shaft 4ft at the cost of ~~$669.83~~
$I74.00 Which would run it to $II64.50 far this period of time.
43,50
The month of December their wasn't any work done, due to the weather
and labor also macheriny.
The month of January we sank the shaft I4 ft. The cost being $609.00
The cost of the shaft up to now is $I435.50
The month of February the shaft was sunk IOft at the cost of $435.50
Which run it to a total of $I870.00
The mine was discontinued until July, because of labor shortage.
The shaft was sunk 43 ft during this program and the tunnels were
drifted ~~IOft~~ IO ft and I7 ft. at the cost of $9I8.00
This run the mining to app. $3I26. 50
I sold the mica that we got from the Wood mine and sent it to Knoxville
Tenn. The mica sale came to the sum of $335.00

Ernest B. Wood

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957

DATE	INITIALS	CODE

RECEIVED
OC. 11 1957
U. S. Atomic Energy Commission
Oak Ridge, Tenn.

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 16 1957

DATE	INITIALS	CODE
9-17	C	220
9/17	Hark	600

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 12 POST OFFICE BLDG.
WASHINGTON 25, D. C.
KNOXVILLE 2, TENN.

September 12, 1957

Memorandum

To: Operating Committee-- DMEA --Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Signed Termination Agreement - Idm-E980, DMEA-4305, Ernest B. Wood, Hart County, Georgia

Transmitted are two signed copies of the subject termination agreement. The usual distribution of the other copies has been made by this office.

Robert A. Laurence
Robert A. Laurence
Executive Officer-DMEA

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

September 12, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 16 1957

DATE	INITIAL	CODE
~~220~~		
9-17	C	220
9/17	[illegible]	800
9/17	[illegible]	600

Mr. Ernest B. Wood
Route 1
Bowersville, Georgia

Re: DMEA-4305 (mica)
E. B. Wood Mine
Hart County, Georgia
Idm-E980

Dear Mr. Wood:

This will acknowledge receipt of the signed termination agreement, and royalty check for $6.75, both of which were received today.

In order that we may process your final voucher, we need your final engineering and geologic report, as provided in Article 5c of the contract. This should contain a brief statement of work done, your evaluation of results accomplished, reserves (if any), mica produced and future plans. Immediately upon receipt of this report, we will process your final voucher, which was received on August 5.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/zm

cc:
Files
Shirley
Opr. Com.-2

September 12, 1957

Memorandum

To: Finance Officer - Region V

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty Payment - Idm-E980, DMEA-4305 -mica
E. B. Wood, Hart County, Georgia

Attached is a bill-of-sales in the amount of $134.96, and a check, dated Sept. 10, 1957 for $6.75, royalty due on the sale.

Robert A. Laurence

z

Mittendorf
Lynch
Files
Shirley

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 16 1957

DATE	[illegible]	CODE
9-17	C	220
		6.00

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 4-26-57

ACCEPTANCE NO.: AR4-1577 (a)

VOUCHER NO.:

CERTIFICATE AUTHORIZATION NO.: [redacted]-4-836 A

LOT NO.: SP AR-1577 (a)

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS.-HVY.STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	10.97	4.88	5.22	.87	134.96
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - LOSS	.03				
TOTAL LBS. PURCHASED	11.00				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 85.40

BALANCE DUE GOVERNMENT [ ] SELLER [X] 49.56

SELLER'S NAME AND ADDRESS

Ernest Wood
Route 1
Bowersville, Georgia

NAME OF MINE AND LOCATION

L. B. Wood-Hart County, Ga.

APPROVED [signature] 5-16-57

DEPOT SUPERINTENDENT DATE

Form R4-T36, May 1956

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/19	Anderson	600
8/19	Houk	600
8-20	Chamberlin	800
8/21	[illegible]	130
"	Johnson	110
		~~100~~
8/22	C	220
		600

600

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

AUG 21 1957

Re: Docket No. DMEA-4305-Mica
Ernest B. Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E980

Dear Mr. Laurence:

Reference is made to the Field Team's memorandum of August 2, 1957, recommending termination of the subject contract by mutual agreement.

Enclosed are the original and four copies of a proposed termination agreement signed by the Administrator for the Government. Two extra copies are enclosed for the use of the Field Team.

If the proposed termination agreement meets with your approval present it to the Operator for execution. If any part of this agreement 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 are to be returned to this office, together with the proposed changes for consideration.

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

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

P. F. Yopes (GCS)
Member, Bureau of Mines

W. P. Williams (GCS)
Member, Geological Survey

Enclosures 7

WCAnderson:gad 8/19/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE
8/5	A.K.	220
8/5	[illegible]	600

August 2, 1957

Memorandum

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

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

Subject: DMEA-4305, Idm-E980 (Mica)
E. B. Wood, Bowersville, Georgia
E. B. Wood mine, Hart County, Georgia

Reference is made to the interim report of July 25:

We agree with the examiners' recommendation for termination, as further work is unlikely to result in a significant discovery.

Therefore, we recommend termination by mutual agreement effective July 26, 1957. Certification will not be recommended.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

OFFICIAL FILE COPY
DMEA
RECEIVED 1957
DATE | NUMBER | CODE
8/5 | | 100
8/7 | | 600

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route #1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Drifting has been in progress on this contract during the Interim. A total of 27 feet of drift has been completed from the 30-foot shaft level. Both drifts indicate that the pegmatites are wedging out along strike and is not worthy of further exploration. The Field Examiners recommend that the contract be terminated by mutual consent of both parties.

Work completed under contract consisted of sinking a vertical and inclined shaft to a total depth of 43 feet. The last 13 feet of shaft followed a thinning body which pinched out downdip. Instructions were given for flooring the shaft at the 30-foot level, establishing a sump and driving a drift to the northeast. Ten feet of drift was driven in a N35°E direction, following a thinning body which wedged out completely. A second drift was driven on a pegmatite exposed at the 30-foot level on the footwall side of the shaft and consisted of 17 feet in a N18°W direction. This body had a thickness of at least 5 feet at the turnoff point, but is no more than 18 inches thick in the roof section of the present face. The body was composed of fine grained feldspathic material and contained only small scrap sizes of mica. The operator was instructed to stop drifting.

The Field Examiners are of the opinion that it is in the Government's best interests to terminate this contract since no reserves can be outlined along the trend or down-dip because of absence of the body. Work completed has proven definitely that further exploration is not warranted.

L. E. Shirley

L. E. Shirley and S. A. Feitler, Mining Engineers
U. S. Bureau of Mines

F. G. Lesure, Geologist
U. S. Geological Survey

Date inspected:

July 25, 1957

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/1	C	220
		600

August 1, 1957

Memorandum

To: Catherine Curtin, Statistics and Control Division

From: Hazel Berry, Operating Committee

Subject: Amendment to Contract

Attached is the following Government copy of an amendment to a contract which has been reviewed and approved by the Commodity Division and the Audit Division. Division did not request clearance by the Legal Division.

ERNEST B. WOOD, DMEA-4305, Idm-E980, Amendment No. 2.

Attachment-1

8623

INTERIM REPORT

DMEA-4305, Idm-E980, (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route #1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Limited level work has been in progress on this contract during the Interim. Ten feet of drift has been driven in a N35°E direction from the shaft bottom and has followed granitic stringers from the target pegmatite. The foliation of the country rock in the present face strikes N25°E and dips 70°SE. In the drift, faulting is especially evident in the footwall area as slicken sides. Instructions were given for returning to the northwest side of the shaft and driving a drift to the north. Operator was requested to notify the Field Team when drifting resumes.

OFFICIAL FILE COPY
D M E A
RECEIVED JUL 22 1957

DATE	INITIALS	CODE
7/22	CRM	160
23	H	600

L. E. Shirley

L. E. Shirley and S.A.Feitler
Mining Engineers
U. S. Bureau of Mines

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

Date inspected:

July 11, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED 1957
DATE | INITIALS | CODE
7/5 | C | 220
5 | Com | 100
7/9 | Hmh

INTERIM REPORT

DMEA-4305, Idm-E980 (Mica) E. B. Wood Mine

Operator: Ernest B. Wood, Route #1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

No progress is reportable for the interim on this contract. The shaft was flooded and access could not be gained. The operator could not be contacted, but the field examiners have learned from other sources that the Spruce Pine miners who have sub-contracted the job and the operator have had some disagreement about the method of operation. Actual details are not known. Equipment owned by the Spruce Pine contractor remains at the mine.

Messrs. F. Gervosio and J. Pilac, I.C.A. participants from the Phillipines accompanied the field examiners on this visit to the mine.

L. E. Shirley

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

S. C. Bergman

S. C. Bergman, Geologist
U. S. Geological Survey

June 27, 1957

INTERIM REPORT

DMEA-4305, Idm-E-980, E. B. Wood Mine
(mica)

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

This mine was not working at the time of this visit because the crew was reportedly gathering hay in Mitchell County, North Carolina. Very little drift progess was observed and none measured. It is estimated that from 2 to 3 feet of drift had been accomplished in the north corner on the southeast side of the shaft. The pegmatite exposed by this work is about 6 inches thick and is barren of mica. Instructions were left with the operator for future work to be conducted in a thicker pegmatite as exposed on the northwest side of the shaft and a drift will be driven to the North from the present shaft level. The miners are expected to return to work on June 17, 1957. Continuous pumping has been in progress during the Interim.

Inspected: June 13, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 24 1957

DATE	INITIALS	CODE
6-24	C	220
25	Com	100
6/26	Hock	660

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

S. C. Bergman
S. C. Bergman, Geologist
Geological Survey

INTERIM REPORT

DMEA-4305, Idm-E980 (Mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route #1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Work has resumed on this contract after a delay caused by lack of labor and equipment difficulties. Little progress has been made, however, because the time during the interim has been spent in setting up equipment and cleaning out and flooring the shaft. Drift work is expected to begin during the week.

A group of Spruce Pine, North Carolina, mica miners have contracted the work. Instructions were given for the level work and future progress is expected to be good.

L. E. Shirley

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

S. C. Bergman

S. C. Bergman, Geologist
U. S. Geological Survey

May 30, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 7 1957

DATE	INITIALS	CODE
6/7	JWZ	220
10	COM	100
12	Hark	600

INTERIM REPORT

DMEA-4305, Idm-E980-Mica. E. B. WOOD MINE

Operator: Ernest B. Wood, R#1, Bowersville, Georgia

Location: 6.1 airline miles N 70° W of Hartwell, Hart County, Ga.

This property was visited May 16, 1957. When visited the water was being pumped from the shaft but lacked about 10-feet of being completely dewatered. A conference was held with Mr. Wood and Lee Medford, an experienced mica miner from Spruce Pine, North Carolina. Work is expected to be resumed Monday May 20, 1957.

May 16, 1957.

Wm. A. Beck, Mining Engineer
Bureau of Mines

S. C. Bergman, Geologist
Geological Survey

z

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 23 1957

DATE	INITIALS	CODE
5/23	JWB	120
"	[illegible]	100

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 405 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

May 8, 1957

OFFICIAL FILE COPY
D M E A
RECEIVED MAY 10 1957
DATE | INITIAL | CODE
5/10 | 7 | 620
6610

Memorandum

To: Finance Officer, Region V - (DMEA)

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

Subject: Royalty Payment, DMEA-4305, Idm-E980-mica.
E. B. Wood Prospect, Hart County, Georgia

Transmitted are bills-of-sale in the amount of $200.00 from the subject contract, and a check for royalty in the amount of $10.00 to be credited to the contract.

Robert A. Laurence

ZM.
cc
Mittendorf
Lynch
Shirley
Files

copy

GENERAL SERVICES ADMINISTRATION
FINAL SETTLEMENT

Mica Purchasing Depot, Spruce Pine, N. C.

Date Purchased 2-11-57

Acceptance No. 1247(a)

Certificate 4-836A LOT No.
Authorization No. SP- 1247(a)

VOUCHER No.

	TOTAL Wt. Lb	Lbs-G.S.	Lbs-Stained	Lbs-Hy-Stained	Total Value
Processed for Payment	13.06	7.41	4.90	.75	200.00 ✓
No Processed Pay't					
THINS	.41				
BLACK Dots Spots Stains					
Undersized					
Process-Gain ~~Loss~~	.03				
Total Lbs Purchased	13.50				

Less: Initial Payment - Voucher No. Sch. No. 131.60

Balance Due: Government: Seller: X 68.40

Seller's Name
Address: Ernest B. Wood
Bowersville, Georgia

NAME OF MINE: E. B. Wood

DMEA No. 4305 Idm-E 980

County: Hart State: Georgia

OFFICIAL FILE COPY
DMEA
RECEIVED APR 15 1957

DATE	INITIALS	CODE
4/15	C	220
"	Com	100

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route #1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

No work under contract has been in progress at this mine during the last four weeks. The shaft was inspected down to the 32 foot level, and the remaining 11 feet contained water. The shaft has been cribbed, but footwall timbers and ladders were loosened by heavy blasting at the time of the last regular work. Instructions were given for timber repairs before turning off on a drift level.

The Operator has had considerable difficulty in hiring a mining crew on a permanent basis or until the job can be completed. At least three different crews have been used to date, one of which came from the Spruce Pine, N. C. area. Attempts are being made to acquire another crew from that area, and the Operator stated that work would resume as soon as a crew could be obtained.

L. E. Shirley

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

E. L. Boudette

E. L. Boudette, Geologist
U. S. Geological Survey

April 4, 1957

Operating Committee

OPERATING FILE COPY
DMEA
RECEIVED MAR 18 1957

DATE	INITIALS	CODE
3/18	C	220
3/18	[illegible]	800
3/18		225

March 15, 1957

Mr. Ernest E. Wood
Route 1
Bowersville, Georgia

Re: DMEA-4305, Ldm-2980 (Mica)
E. E. Wood Mine
Hart County, Georgia

Dear Mr. Wood:

When our field examiners visited the Wood mine on March 7, there was no activity at the mine, and the shaft was full of water.

Work should be resumed at the earliest possible date, so that the contract can be completed within the prescribed time. Please let us know when you are going to start work again, so that our field men can schedule their next visit. They will not inspect the mine during the week of March 18.

Very truly yours,

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

RAL/mg
cc - Operating Committee (3)
Mr. V. J. Lynch
Mr. L. E. Shirley
File

INTERIM REPORT

DMEA-4205, 1dm-4980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route #1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Ga.

Work has not been in progress during the current week at this mine. The shaft was filled with water at the time of this visit, and the Operator, who lives nearby, was not at home. Instructions were left for the Operator to contact the Field Examiners by mail when work resumes. No reply has been made to date.

Mr. V. J. Lynch, Bureau of Mines member of the Field Team, accompanied the Examiners on this visit.

L. E. Shirley

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

E. L. Boudette

E. L. Boudette, Geologist
U. S. Geological Survey

March 7, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 15 1957

DATE	INITIALS	CODE
3/18	C	220
18	Com	100
19	wza	600

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- 58

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Feb., 1957 Docket No. DMEA 4305 Contract No. E-980
Operator's Name Ernest B. Wood Minerals Mica
Address Bowersville, Ga
Contract Amount, $ 6348.00 Government Participation: 75% Amount, $ 4761.00

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		222.00	222.00			
Crosscutting						
Drifting						
Shaft-Sinking	435.00	1435.50	1870.00			
(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.		116.00	116.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	435.00	1773.50	2208.00	435.00	1773.50	2208.50

RECEIVED MAR 29 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date March 5 *Payee Ernest Wood

Per _____ Title Operator

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 326.25

Signature Helen R. Miller
(Authorized Certifying Officer)

Date MAR 27 1957 Vou. No. 156
(See other side)

108.75

(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. E-980 in accordance with the terms of the contract.

Signature V. J. Lynch Title MINING ENGINEER U. S. BUREAU OF MINES Date MAR 25 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Kanaame Title EXECUTIVE OFFICER DMEA REGION V Date MAR 25 1957

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 Feb 195 7 Docket No. DMEA 4305 Contract No. [illegible]-980

Operator's Name Ernest B. Wood Minerals Mica

Address Bowersville, 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								
Shafts	ft.	455.00	10	1870.00	43	43.50	60	43.50
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
	Cy			222.00	555	0.40	555	0.40
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				116.00				
		435.00						
Total Costs				2208.00				

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 March 5 Operator Ernest B. Wood

Per _____ Title 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)

RECEIVED MAR 29 1957 D.M.E.A.

MINING ENGINEER
U. S. BUREAU OF MINES

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

DMEA NO---4305

Operators Monthly Progress Report
for the
Month of February

Feb. 4
Worked 8 hours per day, each day that worked was being done. The water pump runs most of the time.

Feb 4 Timbered the shaft

Feb. 5 Timbered the shaft

Feb. 6 Drilled and shot, an cleaned out muck.

Feb. 7 Drilled and shot, cleaned out muck, went down 1ft.

Feb 8. Cleaned out muck. Drilled and shot, went down 1½ft.

Feb. 11 Worked on pump.

Feb. 12 Cleaned out muck, drilled and shot went down 1ft.

Feb. 13 Drilled and shot, cleaned out muck, went down 1ft.

Feb 14 Cleaned out muck. drilled and shot went down1ft.

Feb 15 Cleaned out muck, drilled and shot, went down 1 ft.

Feb. 16 Cleaned out muck. drilled and shot, went down 1 ft.

Feb. 19 Cleaned out muck, drilled and shot, went down 1 ft.

Feb 21 Cleaned out muck, drilled and shot, went down 1½ ft.
Field men visited mine.

Ernest B Wood

EXTRA COPY
DMEA
RECEIVED MAR 29 1957

DATE	INITIALS	CODE

RECEIVED
MAR 11 1957
Dept. Mines of Knoxville, Tenn.

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route #1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Inclined shaft sinking continues from the completed vertical section of the shaft, and present depth is 43 feet. The pegmatite has been continuous to the 33 foot level, and the remainder of the shaft has been sunk in a pegmatite-country rock mixture that is barren of mica. The Operator was instructed to obtain longer drill steel and drill horizontal holes at 5 foot intervals from 30 feet to the present bottom, establishing the presence of mica-bearing pegmatite to the bottom before sinking any deeper. The body has narrowed to a thickness of 2 feet at the 33 foot level. The attitude of the body has not changed from that previously observed.

Recent progress on this contract has improved. Instructions were given for additional timber work as soon as the shaft is bottomed. Underground workers were advised to wear safety hats.

L. E. Shirley

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

~~S. C. Bergman and E. L. [illegible]~~
~~Geologists, U. S. Geological Survey~~

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February 21, 1957

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

February 20, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Chief, Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-4305-Mica
Ernest Benjamin Wood
E. B. Wood Mine
Hart County, Georgia
Contract No. Idm-E980

The Nonmetallic Minerals Division concurs in Amendment No. 1 to the subject contract as written and executed in the field. This amendment extends the completion date from February 23, 1957 to June 23, 1957.

Amendment No. 1 is necessary because a large amount of water is draining into the shaft from a fissure, which has made operations rather difficult and slow.

W. C. Anderson
W. C. Anderson
Nonmetallic Minerals Division

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

WASHINGTON 25, D.C.

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	[illegible]	130
	C	220

February 18, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA- Region V

Subject: Amendment No. 1, DMEA-4305, Idm-E980-Mica
Ernest B. Wood, Bowersville, Georgia

Transmitted are three signed copies of the subject amendment signed by Mr. Wood. The usual distribution of the other copies has been made.

V. J. Lynch

V. J. Lynch

z

Region V

EXTRA COPY DMEA		
RECEIVED 15 '57		
DATE		CODE
1		110
		600

P. O. Box 217
February 14, 1957

Memorandum

To: Jay L. Chambers, Defense Minerals Exploration Administration, Bureau of Mines, Interior Building, Washington 25, D. C.

From: Administrative Assistant, Electrotechnical Experiment Station, Norris, Tennessee

Subject: Monthly reports and vouchers

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

Idm-E980 Ernest B. Wood
Docket No. DMEA-4305
4th payment - month of January
Amount $456.75

Idm-E990 American Zinc Company of Tennessee
Docket No. DMEA-4209
6th payment - month of January
Amount $11,051.13

Idm-E1018 McCurry, Phillips & Phillips
Docket No. DMEA-4313
3rd payment - month of January
Amount $364.72

Idm-E1036 Carolina Mining Company
Docket No. DMEA-4453
1st payment - month of January
Starting Date: 1/7/57
Amount $371.25

Idm-E1044 Earl Pittman, et al
Docket No. DMEA-4491
1st payment - month of January
Starting Date: 1/8/57
Amount $547.88

Helen R. Miller

Attachments

Copies to R. A. Laurence & V. J. Lynch
Norris Files

RECEIVED
FEB 18 1957
D.M.E.A.

INTERIM REPORT

On

DMEA-4305, Idm-E980, E. B. WOODS MINE(mica)

Operator: Ernest B. Wood, Route # 1, Bowersville, Georgia

Location: 6.1 airline miles N 70°W of Hartwell, Hart County, Ga.

The subject prospect was inspected February 7,1957. The Operator has completed 34 feet of vertical and inclined shaft. There are two parallel and seemingly concordant pegmatites exposed. A very fine grained and seemingly thick structure is exposed in the west wall, while the target pegmatite is dipping out of the shaft and is exposed in the east wall. Its attitude is N 38° E 70° SE and is composed of a mixture of large random masses of both fine grained quartz and mica-deficient pegmatite and areas of medium coarse plagioclase-quartz-muscovite pegmatite. A horizontal percussion drill hole near the bottom of the shaft indicated a thickness for the target pegmatite of about 3 feet. The Operator was instructed to incline his shaft to coincide with the dip of the pegmatite. An open post-pegmatite fault cuts the shaft at the 18 foot level. Its attitude is N 60°E45°SE and its throw relatively minor since there seems to be good continuity between pegmatite exposed at the surface and in the shaft. A large amount of water is draining into the shaft from this fissure which has made operations rather difficult.

Progress on this contract is satisfactory, but slow.

Febraary 7, 1957

S. C. Bergman & E. L. Boudette
Geologists, U. S. Geological Survey

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

z

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 No. 48

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Jan 1957 Docket No. DMEA 4395 Contract No. S-980
Operator's Name Ernest B. Wood Minerals Mica
Address Howorville, Mo
Contract Amount, $ 6340.00 Government Participation: 75% Amount, $ 4761.00

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						
Bulldozing		222.00	222.00			
Crosscutting						
Drifting						
Shaft Sinking	609.50	826.50	1435.50			
(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		116.00	116.00			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	609.50	1164.50	1773.50	609.00	1164.50	1773.50

RECEIVED FEB 15 1957 D.M.E.A.

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

Date Jan 31, 1957 Payee Ernest B. Wood

Per _____ Title Operator

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

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

(Instructions on reverse)

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

$ 456.75

Signature Helen R. Miller
(Authorized Certifying Officer)

Date FEB 14 1957 Vou. No. 129

(See other side)

152.25

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-980 in accordance with the terms of the contract.

Signature S. C. Berryman Title GEOLOGIST, U. S. G. S. Date FEB 12 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch Title ACTING EXECUTIVE OFFICER DMEA - REGION V Date FEB 12 1957

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

RECEIVED FEB 15 1957 D.M.E.A.

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

Month of Jan 1957 Docket No. DMEA 4999 Contract No. 9-980
Operator's Name Owensville, Ge Minerals
Address

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	ft.	69.00	14	1495.50	33	45.50	60	43.50
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails	[illegible]			[illegible]	575	2.40	[illegible]	2.40
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				116.00				
New Buildings, Improvements, etc.								
		609.00		1773.50				
TOTAL COSTS								

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 Jan 31, 1957 Operator Ernest Brood

Per Title 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)

S. C. Bergman
GEOLOGIST, U. S. G. S.

FEB 12 1957

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

Operators
Monthly Progress Report
for the
month of Jan.

DMEA---4305

Jan 2.
Worked on air compressor 6 hours and pumped water, working 8 hours per day in the month of January.

Jan 3.
Bought four cases of dynmite and 6 boxes of caps. Put up boomb pole. Pumped water.

Jan 4.
Continued working 3 men this month. Pump water over day. Shot 25 sticks of dynmite.

Jan 7.
Cleaned up muck, sank shaft I ft, drilled and shot 20 sticks of dynmite.

Jan 8.
Cleaned up muck, shot bank of approximately 10ft over into the vain.

Jan 9.
Finished shotting banks of. Cleaned out muck.

Jan 10.
Drilled and shot 15 sticks of dynmite, cleanad out muck, and shot 17 more sticks of dynmite.

Jan14
Cleaned out muck, drilled and shot 25 sticks of dynmite. Sank shaft 1½ ft.

Jan 15.
Cleaned out muck, drilled and shot 20 stick of dynmite. Sank shaft 1½ ft.

Jan 16.
Cleaned out muck, drilled and shot 23 sticks of dynmite. Sank shaft 1ft.

Jan 17.
Cleaned out muck worked on pump, and drilled and shot 26 sticks of dynmite. Sank shaft 2ft.

Jan 18.
Drilled and shot 30 sticks of dynmite, cleaned outt muck. Sank shaft 2ft.

Jan23.
Worked on pump and compressor.

Jan 24.
Drilled and shot 22 stick of dynmite.

Jan 25.
Cleaned out muck. Sank shaft 1½ft.

Jan 28.
Drilled and shot 24 sticks of dynmite, sank shaft 1½ ft

Jan 29.
Cleaned out muck, drilled and shot 19 sticks of dynmite, sank shaft 1ft.

Jan 30
Cleaned out muck. Shot 21 sticks of dynmite, sank shaft 1 ft.

EXTRA COPY
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RECEIVED FEB 15 1957
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Ernest Brewood

RECEIVED
FEB 4 - 1957

C

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

RECEIVED
FEB 11 1957
D.M.E.A.

Operator: Ernest B. Wood, Route #1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Shaft sinking continues slowly on this contract, and the present depth is 28 feet. No changes were noted in material encountered due to lack of progress. The Operator states that lack of experienced labor is his main problem. The mine continues to make considerable water which has also hindered progress. Instructions were given for continued inclination with the body which began to dip out of the shaft at 25 feet.

Discussion was held with the Operator concerning voucher submittal and proper narrative reports.

L. E. Shirley

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

S. C. Bergman, Geologist
U. S. Geological Survey

January 24, 1957

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

RECEIVED JAN 22 1957 D.M.E.A.

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Shaft sinking continues slowly on this contract and is now at 26 feet with little change in material encountered during the interim. The operator was advised to continue sinking, inclining the shaft if necessary to stay with pegmatite. About 4 feet of pegmatite-schist mixture was observed. Only scant mica recovery has resulted from limited sinking accomplished.

Suggestions were made concerning temporary ladders to be placed in the shaft until permanent sections can be installed. The operator was advised to procure necessary equipment.

L. E. Shirley

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

S. C. Bergman
U. S. Geological Survey

January 10, 1957

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Shaft sinking continues slowly on this contract and is now at 23 feet. Examination of the bottom and shaft sides and ends near bottom shows the body dipping out of the shaft on the southeast side. Instructions were given for continued shaft sinking to follow the dip of the pegmatite which is now about 70°SE. Mica is still being produced from shaft sinking but sparse distribution of crystals was noted in material examined. About 50 pounds of small book mica was observed from surface digging.

Mr. R. A. Laurence, Executive Officer of DMEA, Region V, accompanied the Examiners on the December 6, 1956 visit.

L. E. Shirley

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

A. R. Taylor & S. C. Bergman
Geologists, U. S. Geological Survey

December 6 and 13, 1956

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- 30

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Nov., 1956 Docket No. DMEA 4305 Contract No. 980
Operator's Name Ernest B Wood Minerals Mica
Address
Contract Amount, $ 6343.00 Government Participation: 75 % Amount, $

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:			826.50			
~~Drilling~~ Shaft Hf	174.00	652.50	~~874.50~~			
Bulldozing		222.00	222.00			
Crosscutting						
Drifting						
(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.		116.00	116.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
			1164.50			
TOTALS	174.00	990.50	~~1164.50~~	174.00	990.50	1164.50

RECEIVED DEC 26 1956 D.M.E.A.

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

Date Dec. 6 *Payee ~~Operator~~ Ernest B Wood

Per Title Operator

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

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

(Instructions on reverse)

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

$ 130.50

Signature Helen R. Miller
(Authorized Certifying Officer)

Date DEC 21 1956 Vou. No. 96

(See other side)

43.50

(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. E-980 in accordance with the terms of the contract.

Signature Alfred R. Taylor Title Geologist, USGS Date 12-20-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: ACTING EXECUTIVE OFFICER

Signature V. J. Lynch Title DMEA - REGION V Date DEC 20 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 Nov. 1956 Docket No. DMEA 4305 Contract No. 980

Operator's Name Ernest B. Wood Minerals Mica

Address Bowersville, 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								
Shafts	Ft.	174.00	4	826.50	19	43.50	60	43.50
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching Bulldozing	yds			222.00	555	.40	555	0.40
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				116.00				
TOTAL COSTS		174.00		1164.50				

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 Dec 6 Operator Ernest B. Wood

Per Title Operator

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

(Instructions on reverse)

REMARKS:

(For Government use only)

RECEIVED DEC 26 1956 Portland

Alfred R. Taylor
Geologist, USGS

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

Per Operator Progress Report.

November.

Nov. 28 Pumped water, and sank shaft 1ft. Shot 8 sticks of dynamite.

Nov. 29 Pumped water, sank shaft 1 ft. Shot 9 stick of dynamite.

Nov. 30 Pumped water and sank shaft 2 ft, also shot 17 sticks of dynamite.

Ernest B Wood

RECEIVED
DEC 26 1956
D.M.E.A.

RECEIVED
DEC 10 1956
D.M.E.A.

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Shaft sinking continues slowly on this contract and is now at 17 feet. Pump trouble prevented the Field Examiners from examining the shaft bottom but the operator reports pegmatite in the cross-section with continued production. A few medium to large books of excellent quality mica was examined at the shaft. The operator stated that the mine will be operated more regularly, beginning with the coming week. A power line has recently been run to the site and an electric pump is now in use.

L. E. Shirley

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

A. R. Taylor & S. C. Bergman
Geologists, U. S. Geological Survey

November 29, 1956

RECEIVED
NOV 23 1956
D.M.E.A.

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Shaft sinking continues slowly on this contract. The operator is awaiting arrival of an electric pump and gasoline powered hoist. A power line has recently been run to the mine. The shaft has been deepened about 4 feet during the interim, this having been accomplished shortly after the last visit. Examination of the bottom could not be made because of water, but the operator states that he is in pegmatite. Monthly reports and future work were discussed during this visit.

L. E. Shirley

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

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

November 15, 1956

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Vertical shaft sinking continues on this contract and is now at 15 feet. The shaft is being sunk in pegmatite and has been cribbed to near bottom. Hoisting is being accomplished by hand windlass while awaiting delivery of a gasoline powered hoist. The mine continues to make considerable water which is being handled satisfactorily with a gasoline-powered pump. The operator was advised not to place the pump in the shaft and to procure an air sump or electric pump at his earliest convenience. Material encountered is predominantly pegmatite with some injected sillimanitic schist in at least one corner of the shaft. About 800 pounds of excellent quality ruby mica, free of mineral stain has been produced from shafting to date.

A powder magazine and an exploder magazine has been built and are now in use.

Recent progress on this contract is satisfactory considering equipment procurement problems of the operator.

L. E. Shirley

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

A. R. Taylor

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

November 1, 1956

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 Oct., 1956 Docket No. DMEA 4305 H Contract No. 980
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $ 6348.00 Government Participation: 75 % Amount, $ 4761.00

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						
Bulldozing		222.00	222.00			
Crosscutting						
Drifting						
Adjust (1st Qtr)	652.50		652.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe			26.00			
Track Power MAG	26.00		75.00			
Tool house	15.00		15.00			
Exp. MAG	15.00					
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	768.50	222.00	990.50	768.50	222.00	990.50

RECEIVED NOV 16 1956 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Nov 3, 1956 *Payee [illegible]

Per _____ Title _____

*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:
$ 576.38

Signature Helen R. Muller
(Authorized Certifying Officer)
Date NOV 14 1956 Vou. No. 70
(See other side)

2 192.12

(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. 980 in accordance with the terms of the contract.

Signature Alfred R. Taylor Title GEOLOGIST, U. S. G. S. Date NOV 6 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date NOV 8 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 Oct 1956 Docket No. DMEA 4305 Contract No. 990
Operator's Name Ernest Wood Minerals Mica
Address Bussum Ch. [illegible]

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	FT	652.50	15	652.50	15	43.50	60	43.50
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching Tool house	Each	75.00		75.00	1	75.00	1	75.00
Test Pits Powder Magazine	EACH	26.00		26.00	1	26.00	1	26.00
Roads and Trails EXP Mag	EACH	15.00		15.00	1	15.00	1	15.00
Bulldozing	Cu yd				555	.40	555	.40
TOTAL DISTRIBUTED COSTS		768.50		990.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		768.50		990.50				

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 Nov 3 1956 Operator Ernest Wood

Per ..... Title 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)

A. R. Taylor
GEOLOGIST, U. S. G. S.

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 Progress Report
Oct.

Monday Oct 15th
Hired 2 men, Purchased $1.00. lumber, Tin and nails $1.5. worked on shaft 4 hrs. repaired 8 hrs all Total.

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NOV 16 1956
D.M.E.A.

Tuesday Oct 16th
Continued working on shack, finished shack & started sinking shaft, 3 men worked 8 hrs.

Wed Oct 17th
Continued sinking shaft, wet down app 1½ ft, hit water worked 8 hrs.

Thursday Oct 18th
Continued sinking shaft, worked on pump, sank shaft app 1½ ft, Pumped water. worked 8 hrs.

Friday Oct 19th
Continued sinking shaft continued down 1½ ft, pumped water, worked 8 hrs.

Monday Oct 22nd
Continued with sinking shaft, pumped water, wet down 1½ ft worked 8 hrs.

Tuesday Oct 23rd
Sank shaft 1½ ft, shot 6 sticks of dynamite, worked 8 hrs.

Wed Oct 24th
Sank shaft 1½ ft, and timbered shaft, Pumped water worked 8 hrs

Thursday Oct 25th
South shaft 2 ft, built magazine, pumped water, washed 7 hrs.

Friday Oct 26th
pumped water, sorted shaft 1½ ft, [illegible] shot 4 sticks of dynamite, washed 8 hrs

Monday Oct 29th
pumped water, shot 8 sticks of dynamite, sorted rock 1½ ft, washed 7 hrs

Tuesday Oct 30th
Pumped water, shot 4 sticks of dynamite, sorted out rock washed 8 hrs

~~Wed~~ Wed Oct 31st
Pumped water, sorted shaft 1½ ft, shot 4 sticks of dynamite, finished sh-ft, washed 8 hrs.

RECEIVED
NOV 16 1956
D.M.E.A.

RECEIVED
OCT 25 1956

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. Wood Mine

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Shaft sinking is underway on this contract and is now at 5 feet. This work has been conducted in pegmatite containing excellent quality mica and about 250 pounds of mine-run block has been produced from the shaft work alone. The mica is flat, hard, ruby colored and contained no stain with the exception of clay. This mine is expected to make considerable water and the operator was advised to procure a pump immediately that will handle the water, and to not use a gasoline powered pump, observed on the surface, under ground.

A toolhouse has been built and is now in use. Equipment at the site consists of a portable air compressor with drilling attachments, a gasoline pump and hand tools.

Mr. Bob McClay, Geologist, U. S. Geological Survey, accompanied the Field Examiners on this visit to the mine.

L. E. Shirley

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

A. R. Taylor

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

October 18, 1956

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

RECEIVED
OCT 1 2 1956

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

No progress is reportable for the past two weeks period on this contract. The operator has not procured necessary equipment to date, but he expects to be ready to start sinking in the near future. Another visit will be made when the Field Examiners are again in the area.

L. E. Shirley

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

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

October 4, 1956

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

RECEIVED
SEP 28 1956

September 26, 1956

Mr. Ernest B. Wood
Route #1
Bowersville, Georgia

Re: DMEA-4305, Idm-E980-Mica
E. B. Wood Mine
Hart County, Georgia

Dear Mr. Wood:

This will confirm the authorization to begin Stage II of the E. B. Wood contract, recently given verbally by our Field Examiners.

Very truly yours,

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

RAL/sm
cc:
Opr. Com.-4
Lynch
Finance Office
Shirley
Files

4305

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT
Date 9-28

Referred to:

1. ~~Mr. Mittenbery~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~600 Division~~
6. ~~Docket Control Mails and Files~~

Note comments in report regarding:

1. Recommends Stage II
2.
3.
4.

and take appropriate action.

- - - - - - - -

Action taken by Division: The F.T. has authorized commencement of Stage II by letter of 9/26/56 to the Operator.

Robert E. Adams

INTERIM REPORT

RECEIVED
SEP 23 1956

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINES

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Additional open cut work under Stage I of the contract has been completed. The pegmatite has been exposed sufficiently by acquiring added depth southeast of an existing 60 foot shaft by bulldozer and blasting means. The body is 3 to 5 feet thick and considerable mica recovery resulted in medium-sized books of excellent quality mica, most of which contained mud or surface stain. The Field Examiners are of the opinion that Stage II is warranted and recommend that a letter be written to the operator giving authorization for commencing of this stage.

Considerable discussion was held with the operator concerning terms of the contract.

Mr. Milford L. Skow, Commodity-Industry Analyst, Branch of Ceramic and Fertilizer Materials, Washington, D. C., accompanied the Examiners on this visit to the mine.

L. E. Shirley

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

A. R. Taylor, Geologist
S. C. Bergman, Geologist
U. S. Geological Survey

September 20, 1956

RECEIVED
SEP 13 1956

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia
Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

No additional open cut work has been completed on this contract. The Examiners discussed with the operator the feasibility of using fork or plow attachments on a bulldozer in an effort to expose the pegmatite properly. The operator stated that excavation would resume as soon as equipment could be obtained, presumably within the week.

L. E. Shirley

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

A. R. Taylor

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

September 5, 1956

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 August & Sept, 1956 Docket No. DMEA H365 Contract No. Idm-E DMEA 980
Operator's Name Ernest B. Wood Minerals mica
Address Bowersville, Ga
Contract Amount, $ 6348.00 Government Participation: 75 % Amount, $ 4761.00

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						
Bulldozing	222.00		222.00			
Crosscutting						
Drifting						
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	222.00		222.00	222.00		222.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Sept 29th *Payee Ernest B. Wood

Per _____ Title Operator

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$166.50

Signature Helen R. Melin
(Authorized Certifying Officer)

Date NOV 5 1956 Vou. No. 64
(See other side)

1st 8/16/56
5550

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E 980 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Oct. 8, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date OCT 25 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

RECEIVED OCT 2 1956

Month of Aug & Sept 1956 Docket No. DMEA 4305 Contract No. ~~DMEA~~ Tdm-E 980
Operator's Name Ernest B. Wood Minerals Mica
Address Bowersville, 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								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Cu yd	222.00	555	222.00	555	.40	555	.40
TOTAL DISTRIBUTED COSTS		222.00		222.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		222.00		222.00				

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 Sept 29th Operator Ernest B. Wood

Per ..... 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)

Lawrence E. Shirley - Mining Engr.
U.S.B.M. Oct. 8, 1956

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 Report.

Work Accomplished
Cleared out old shaft, approximately 4ft.

August I6. Bulldozer started moving material from old shaft. Hired one man, who supervised the job and gathered up all mica from shaft.

August I7. Worked with bulldozer operator instructing and getting up all mica. The dozer went down approximately 4ft. Discontinued work until Field men came to check mine.

September IO. Continued using the dozer, moved muck from old shaft.

September II. Continued with the dozer work and moved muck from the shaft.

The Field Men checked each time before starting the next stage.

Ernest B Wood

INTERIM REPORT

RECEIVED
SEP - 3 1956

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

OPERATOR: Ernest B. Wood, Route #1, Bowersville, Georgia

LOCATION: 6.1 airline miles N 70° W of Hartwell, Hart County, Georgia

The starting date on this contract is August 17, 1956. Stage I consisting of shaft site preparation and pegmatite exposure has followed essentially the cut dimensions as outlined under contract, with the exception of depth. The cut trends N 10° W, and is 125 feet long by 15 feet wide by 3 to 5 feet deep. Pegmatite was exposed and scattered at several points in the cut, but was not exposed sufficiently to begin Stage II. Hard rock was encountered on the extreme north end of the trench which slowed excavation considerably. The Operator was asked to lower the cut at least another 5 feet and to leave the exposure clean for the Field Examiners' inspection. Compliance in the coming week was indicated.

L. E. Shirley

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

A. R. Taylor

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

August 22, 1956

RECEIVED
AUG 15 1956

INTERIM REPORT

DMEA-4305, Idm-E980 (mica) E. B. WOOD MINE

Operator: Ernest B. Wood, Route No. 1, Bowersville, Georgia

Location: 6.1 airline miles N70°W of Hartwell, Hart County, Georgia

Stage I of this contract is not underway but trenching by bulldozer will begin within the coming week, according to the operator. A visit was made to the mine, accompanied by the operator, to discuss the contract provisions and to outline Stage I of the project. Another visit will be made to the mine upon completion of the trenching as outlined under Stage I.

L. E. Shirley

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

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

August 8, 1956

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

RECEIVED
AUG - 8 1956

August 6, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Signed Contract - Idm-E980, DMEA-4305, E. B. Wood (mica)
Hart County, Ga.

Transmitted are three signed copies of the subject contract and three copies of a sketch map showing the corners of the property.

The usual distribution of the other copies has been made.

V. J. Lynch

RECEIVED
AUG - 8 1956

DOCKET COPY
Surname:

B

Hopkins
Houk
Talbutt
Selfridge
Fr Johnson

UNITED STATES
DEPARTMENT OF THE INT RIOR
DEFENSE MINERALS EXPLORATION ADMINI TION
WASHINGTON 25, D. C.

JUL 2 4 1956

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

Re: Docke . DMEA-4305-mica
Ernes njamin Wood
E. B. d Mine
Hart ty, Georgia

Dear Mr. Laurence:

Enclosed are the original and five ies of a proposed contract which have been signed by the Admini ator for the Government with effective date as shown. Attachmen to the contract are Annex I, Exhibit "A"(2 pages), and two maps o he E. B. Wood Mine. Two extra copies of Annex I, Exhibit "A", and e maps are enclosed for the use of the Field Team.

If the proposed contract meets with r approval, present it to the applicant for execution. Please ex in to the applicant that the contract is a firm commitment to com e the work outlined at the agreed cost. Copies of the executed c ract are to be distributed in the usual manner.

If any part of this proposed contra oes not have either your approval or that of the applicant and ca be amended within your delegated authority, then the original a ll copies of the contract and the two extra copies of Annex I, ibit "A" and the maps are to be returned to this office, together w the proposed changes for consideration.

Copies of memoranda dated July 10 a 8, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, r ctively, relating to the project are enclosed.

Sincerely y ,

George C. S dge
Chairman, Op ting Committee

Approved:
P. F. Yopes
Member, Bureau of Mines
N. E. Nelson
Member, Geological Survey

Enclosures: 12

Mr. Houk
Admr. R. File

JHopkins:ms 7/20/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061

R.C.S.

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

July 18, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4305 (mica)

Applicant: E. B. Wood

Name and Location of Property: E. B. Wood, Hart County, Ga.

Date of Field Team Report: 6/21/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 7/9/56

Field Team Recommendation: Recommend a 2 stage unit-cost exploration program.

Comments:

1. Clear, flat, strategic muscovite was observed in an extensive pegmatite.

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

Recommendation:

I concur with the recommendations of the field team.

W. F. Dietrich

W. F. Dietrich

RECEIVED
JUL 19 1956

IN REPLY REFER TO:

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

RECEIVED
JUL 11 1956

July 10, 1956

Re: DMEA 4305
Ernest B. Wood
E. B. Wood mine
Hart Co., Georgia
$6,736.00 - 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 applicant requested assistance in reactivating an operation, last worked in 1946. The property is supposed to be the Wood mine, described in Mica Deposits of the Southeastern Piedmont Part 7 by W. R. Griffitts.

The map of the pegmatite seen by the examiners and the map by Griffitts have little in common, but the examiners presume the exposures are the same.

The 2-stage work program appears to be well fitted to the present exposures and the production history of the property.

I concur with the proposal of the examiners and the recommendation of the Field Team.

N. E. Nelson

N. E. Nelson

Memorandum July 5, 1956

To: Files

From: James Hopkins

Subject: Evaluation of application for exploration assistance and Field Team Rep.

Docket No OMI-A1805 Mica

Wood Prospect

Forest Beyond Road

Flat County Georgia

Mica:

Many light, clear books of muscovite, 3 x 4 inches wide exist on the dump, and in the floor of the cut. Some are pinkish-buff with some surface clay staining.

Report by Griffitts (USGS) 1944 states that that one quarter of sheet mica sold was 1½ by 2 inches or larger. "The workings in the north end of area suggests that mica was most abundant along the flanks of the fine-grained pegmatite masses and bearing inclusions of schist. No continuous clearly defined mica sheet was discovered, although mica is said to be abundant in the bottom of the open-cut."

Pegmatite:

Mica bearing lithified (apparently unzoned) pegmatite dike at least 15 feet thick of unknown strike length exposed for 40 feet in northernmost cut

A five foot section is exposed along the bottom of both sides of the 8-foot high cut in the trough-like center.

It is apparently conformable to the enclosing garnet-sillimanite-mica schist.

Old Workings:

15-foot shaft sunk in 1919.

25-foot shaft sunk in 1920 or 1921 "good mica was found" but abandoned because of too much water.

Work done in 1917, 1925 and 1926 consisted in sinking shaft to 60. Reported to be in good mica. Applicant's father was killed by Cave-in and the shaft partially filled in.

Several Cuts and pits also exist. Dimensions not given.

Production & Economics

4760 # of full trimmed sheet sold to the Colonial Mica Corporation August 22 to Dec 7 1926. 24% was 1½" x 2" and larger

Recommendations:

The field team considers this occurrence are likely to be outlined by exploration and highly recommend a two-stage program of bulldozing, shaft sinking and drifting to cost approximately $6736.00

The recommendation is concurred in by the writer.

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

RECEIVED
JUL 2 - 1956

June 29, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tenn.

Subject: Field Examination Report - DMEA-4305, (mica) E. B. Wood Mica Mine, Hart County, Georgia

Transmitted is the original and three copies of the subject report, with nine extra copies of the maps.

T he Field Team concurs with the Field Examiners in their recommendation for a two stage unit cost contract on this application.

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

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

Reviewed by
DMEA OPERATING COMMITTEE
7-9-56
(date)

ON-SITE EXAM.

RECEIVED
JUL 2 - 1956

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT
FIELD TEAM - REGION V

On

DMEA-4305, E. B. WOOD MINE (mica)
Hart County, Georgia

By

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

and

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

June 21, 1956

Reviewed by
DMEA OPERATING COMMITTEE
7-9-56
(date)

RECEIVED
JUL 2 - 1956

EXAMINATION REPORT

On

DMEM-4305, E. B. Wood Mine (mica)
Hart County, Georgia

Applicant: Ernest B. Wood, Route # 1, Bowersville, Georgia

Summary

Clear and flat strategic muscovite is in a mica-bearing pegmatite of large size. Reserves of muscovite are likely to be outlined by exploration. It is recommended that the application for assistance be approved and that a two-stage program be undertaken.

Introduction

Location

The E. B. Wood Mine (Wood, Gully, and Lon Allen) is 6.1 airline miles N 70° W of the center of Hartwell, Georgia (see map). Road directions are:

Direction	Mileage
Town Square, Hartwell, Ga., Take Georgia Hwy. 51 W.	0
Turn right onto dirt road at Airline	5.5
Turn left at Crossroads	7.4
Take left fork in road	7.6
Turn right into private road-near top of hill	8.8

Mine is 0.1 mile northeast of house.

Examination

The Mine was examined June 21, 1956 in the company of Mr. Ernest B. Wood. Two hours were spent on the examination.

History

The Mine was first worked in 1919 by Lonnie Allen who sank a 15-foot shaft on the Emmon Martin (then Gully) farm. The "Waterhole" shaft was sunk to a depth of 25-feet by a Mr. Fox in 1940 or 1941. It is reported that Fox found good mica but abandoned the mine because of too much water.

Joe Wood and Ernest B. Wood did the recent work, 1944, 1945 and 1946. The applicant states that his father was killed in a cave-in in 1946. At that time the shaft was about 60 feet deep and still in pegmatite with abundant mica. E. B. Wood filled in the shaft and partially filled the cut.

Competency of Applicant and Facilities

The applicant seems competent to carry out the terms of a DMTA contract. He would supervise the project.

No facilities exist on the property. The applicant will probably have to put in two or more poles to bring electricity to the mine.

Geology

Mica-Pegmatite

A mica-bearing kaolinized (apparently unzoned) pegmatite dike at least 15 feet thick and of unknown strike length, is exposed for a maximum distance of 40 feet in the northernmost cut. A five-foot section is exposed along the bottom ~~xxxxx~~ of both sides of the 8-foot high cut in the trough-like center. Muck covers the center part of the cut.

The apparently conformable pegmatite body has an inferred strike of N 10° E to N 40° E, and an inferred dip of 70° SE or steeper.

Griffitts (1953,P.312) on his inspection in 1944, said that the main body must swing eastward from N 10° E in the south to at least N 40° E in the northern pits. T he present exposures are inferred to be the same. He also states that a parallel pegmatite lies 20 feet to the west of the "main" dike.

The mineral assemblage includes kaolinized feldspar, quartz, tourmaline, and muscovite.

Muscovite

Many light, clear books of muscovite, 3 x 4 inches wide, exist on the dump, and in the floor of the cut. Some are light pinkish-buff with some surface clay staining.

Griffitts states that about a quarter of the sheet mica sold was 1 1/2 by 2 inches or larger. He also states that ..."....the workings in the north end of the area suggests that mica was most abundant along the flanks of the fine-grained pegmatite masses and beneath inclusions of schist. Books also may be sparsely scattered through the coarse-grained pegmatite. No continuous, clearly defined mica shoot has been found, although mica is said to be abundant in the bottom of the open-cut."

Production, according to W. R. Griffitts in his USGS report of December 1944, during the period August 22 to December 7, 1944, was 47.60 pounds of full trim sheet mica. T he records of the Colonial Mica Corp., indicates that of that amount, 11.68 pounds (24%) was 1 1/2 x 2 inches and larger.

Mandays actually worked were few because one man would work one day at the mine and then spend two or more days sheeting.

Country Rock

The country rock is a weathered garnetiferous sillimanite-mica schist. Float of the gray to brown schist covers the slopes. The foliation strikes N 40° E and dips about 70° SE.

Proposed Exploration

It is recommended that a two-stage, unit-cost project be undertaken. The two stages are to permit the spotting of the shaft by the examiners after removal of the overburden and muck.

Stage I should consist of bulldozing a trench 100 feet long, 15 feet wide, and 10 feet deep.

Stage II is recommended to be 60 feet of shaft and 100 feet of drift.

Estimated Costs

Stage I.

Shaft-site Preparation ----556 cu yds of dump and weathered rock
(100' x 15' x 10' = 556 cu yds @ $ 0.40/cu yd $222.00
(Recommend D-7 bulldozer or equivalent)

Buildings

Toolhouse	75.00	
Powder magazine	25.00	
Exploder magazine	14.00	114.00
Total cost of Stage I		336.00

Stage II

Sink 60-feet of shaft, drive 100 feet of drift and/or crosscut (90 shifts)

Shaft Costs, 40 shifts includes timbering time, etc.

Labor

1 - Miner @ $1.50/hr.	$480.00	
1 - Hoistman @ $1.25/hr.	400.00	
1 - Laborer @ $1.00/hr.	320.00	

Equipment (rental) (2 months)

Compressor, air portable, 105 cfm @ $200/Mo,	400.00	
Drill, air,rock @ $50/Mo.	100.00	
Pump @ $40/Mo.	80.00	
Hoist, single drum @ $50/Mo.	100.00	

Supplies:

Explosives	230.00	
Gasoline and oil	150.00	
Drill steel and bits	90.00	
Timber, 3000 b.f. @ $65/M	195.00	
Small tools and pipe	100.00	
Miscellaneous	50.00	
Social Security	24.00	
Liability Insurance	27.00	
Sales Tax	25.00	$2771.00

(60 ft @ $46.18/ft.)

Drive 100 feet of drift and/or crosscut
(50 shifts)

Labor:

1 - Miner @ $1.50/hr.	600.00
1 - Hoistman @ $1.25/hr.	500.00
2 - Laborers @ $1.00/hr.	800.00

Equipment (rental)

Compressor, portable, air 105 cfm @ $200/Mo	500.00
Drill, air, rock, 51 lbs cap. @ $50/Mo.	125.00
Pump, @ $40/Mo.	100.00
Hoist, single drum, gasoline 8 H.P. @ $50/Mo.	125.00

S **Supplies:**

Explosives	$300.00
Gasoline and oil	150.00
Drill steel and bits	120.00
Timber, 2000 b.f @ $65/M	130.00
Small tools and pipe	50.00
Social Security and Insurance	81.00
Sales Tax	23.00
Miscellaneous	25.00
(100 ft of drift @ $36/ft)	

~~Total cost of Stage II.....~~

Total Cost of Stage II $6400.00

Estimated Total Cost of Stages I and II.... $6736.00

A. R. Taylor, Geologist
Geological Survey

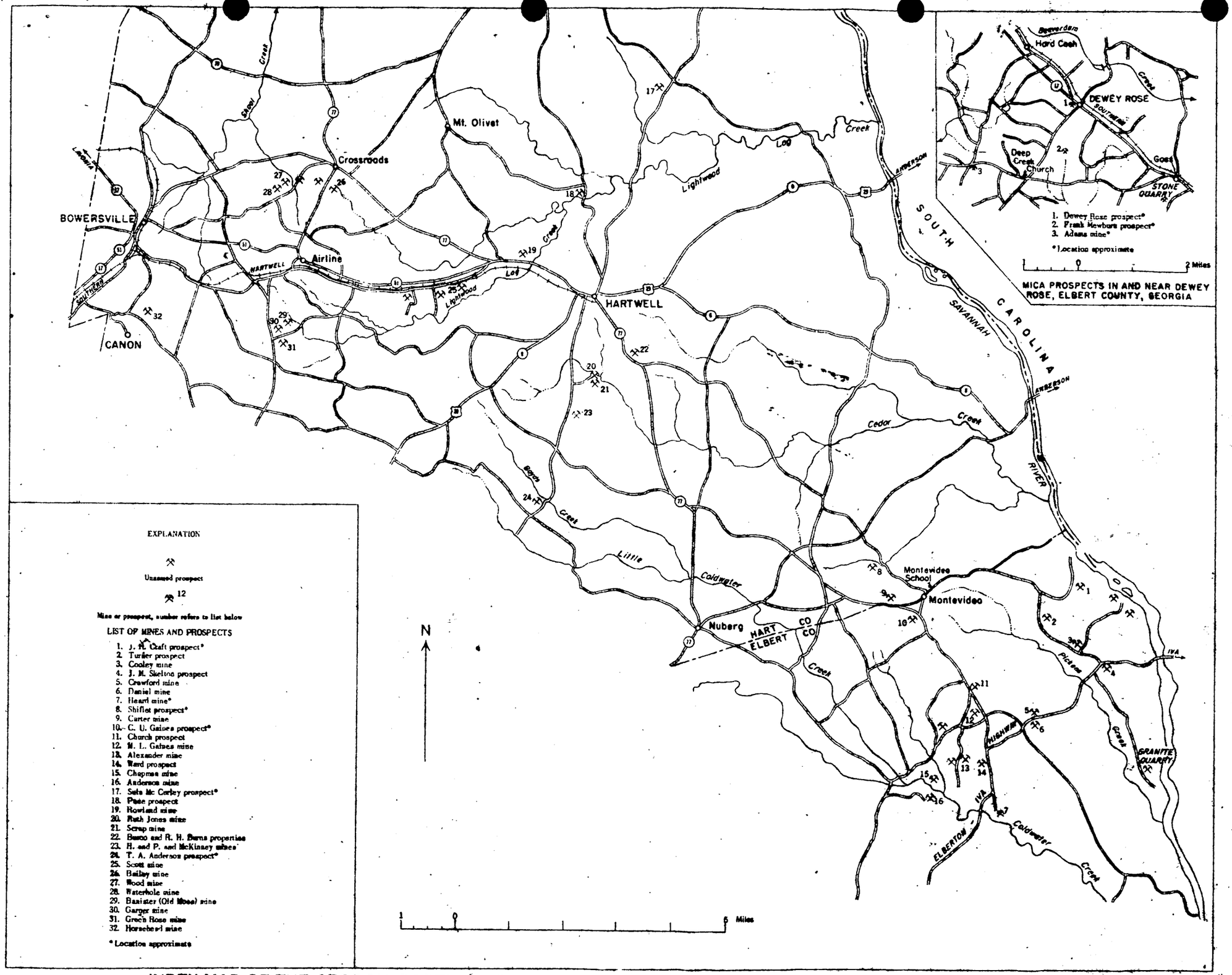
L. E. Shirley, Mining Engineer
Bureau of Mines

References cited:

1. Griffitts, W. R. (1944) "Wood Mica Mine, Hart County, Ga"; USGS Report, Dec. 1944.

2. _____, and Olson, J. C. (1953), "Mica Depsits of the Southeastern Piedmont," Parts 7 and 8; USGS Prof. Paper, 248 -E; pp. 309-312, and Plate 25.

Z



INDEX MAP OF THE GEORGIA PORTION OF THE HARTWELL DISTRICT OF GEORGIA AND SOUTH CAROLINA, SHOWING LOCATIONS OF MICA DEPOSITS

DOCKET COPY
Surname:

Houk
Martin
Hopkins

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

600

JUN - 1 1956

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

Re: Docket No. DMEA-4305-mica
Ernest Benjamin Wood
Wood Prospect
Hart County, Georgia

Dear Mr. Laurence:

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

Copies of memoranda dated May 25, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, relating to the project are enclosed.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (JHB)

Approved:

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

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

Enclosures:4

JHopkins:ms 5/31/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

DOCKET COPY
Surname:

Houk
Kilsgaard
Gerhon
Martin
Johnson

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

JUN - 1 1956

Mr. Ernest Benjamin Wood
Route #1
Bowersville, Georgia

Re: Docket No. DMEA-4305-mica
Ernest Benjamin Wood
Wood Prospect
Hart County, Georgia

Dear Mr. Wood:

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,

G. O. Mittendorf

Administrator

JHopkins:ms 5/31/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

R.C.L.

Memorandum May 29 1956

To Files

From James Hopkins

Subject Evaluation of Application

Docket No DMRA 4305

The Geological Survey believes that more information should be requested

The Bureau of Mines believes that a visit by an examiner would furnish more useful data

I am in agreement with the Bureau because of the apparent lack of experience of Applicant who I believe would be unable to give us any enlightened information. We cannot buy it without a book!

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

RECEIVED
MAY 28 1956

May 25, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4305 (mica)

Applicant: E. B. Wood

Name and Location of Property: _____, Hart Co., Ga.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 5/24/56

Comments:

1. From the limited information presented, it is difficult to determine if an exploration program is justified or if the proposed plan would be the best method of exploring this property.

2. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

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.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
MAY 25 1956

May 25, 1956

Re: DMEA 4305
Ernest B. Wood
Wood prospect
Hart Co., Georgia
$8,000 - Mica

Memorandum:

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

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

Subject: Review of application

The applicant requests assistance in reactivating a hand operation that produced mica in 1945. No measure of the production is given and no reason is given for the work stoppage.

Apparently the applicant lacks mining experience and has no equipment.

Information concerning the pegmatite and extent of work done by the applicant's father should be requested. Probably a denial can be made without a field examination.

N. E. Nelson

N. E. Nelson

May 23, 1956

Mr. Ernest B. Wood
Route 1
Bowersville, Georgia

Subject: DMEA - 4305
Re: Exploration Assistance

Dear Mr. Wood

The receipt of your application dated May 21, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA - 4305 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

May 23, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region V.

DMEA

-4305 Ernest Benjamin Wood

Robert E. Adams
Chief, Operation's Control
and Statistics Division

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

RECEIVED
MAY 23 1956

May 22, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Application : Ernest Benjamin Wood, Bowersville, Georgia (mica)

Transmitted are three copies of the subject application received in this office today.

V. J. Lynch

V. J. Lynch

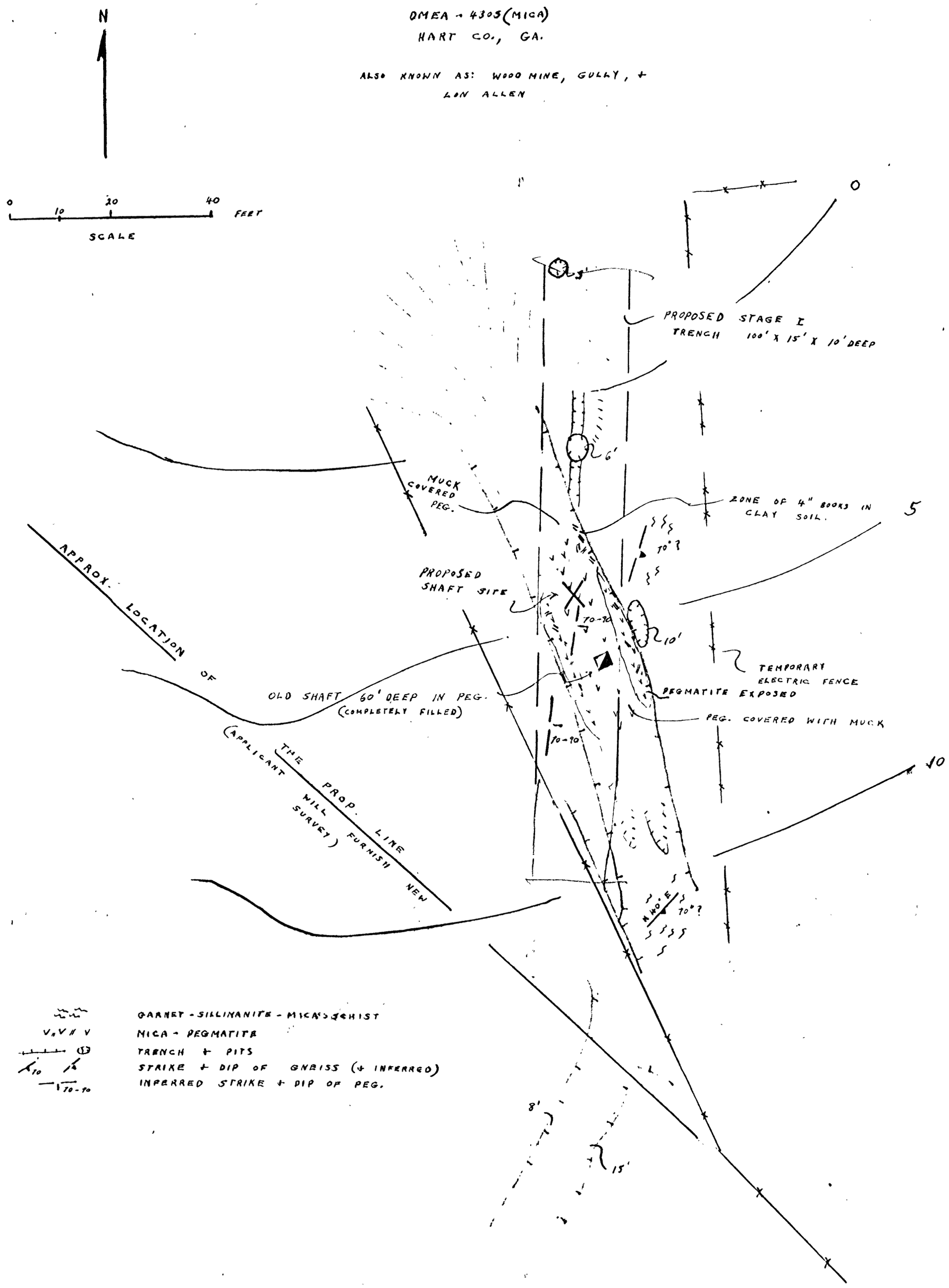
Map No 1

E. B. WOOD MINE

OMEA - 4303 (MICA)

HART CO., GA.

ALSO KNOWN AS: WOOD MINE, GULLY, + LON ALLEN



TAYLOR 6-25-1956

E. B. WOOD MINE
OMEA - 4305 (MICA)
HART CO., GA.

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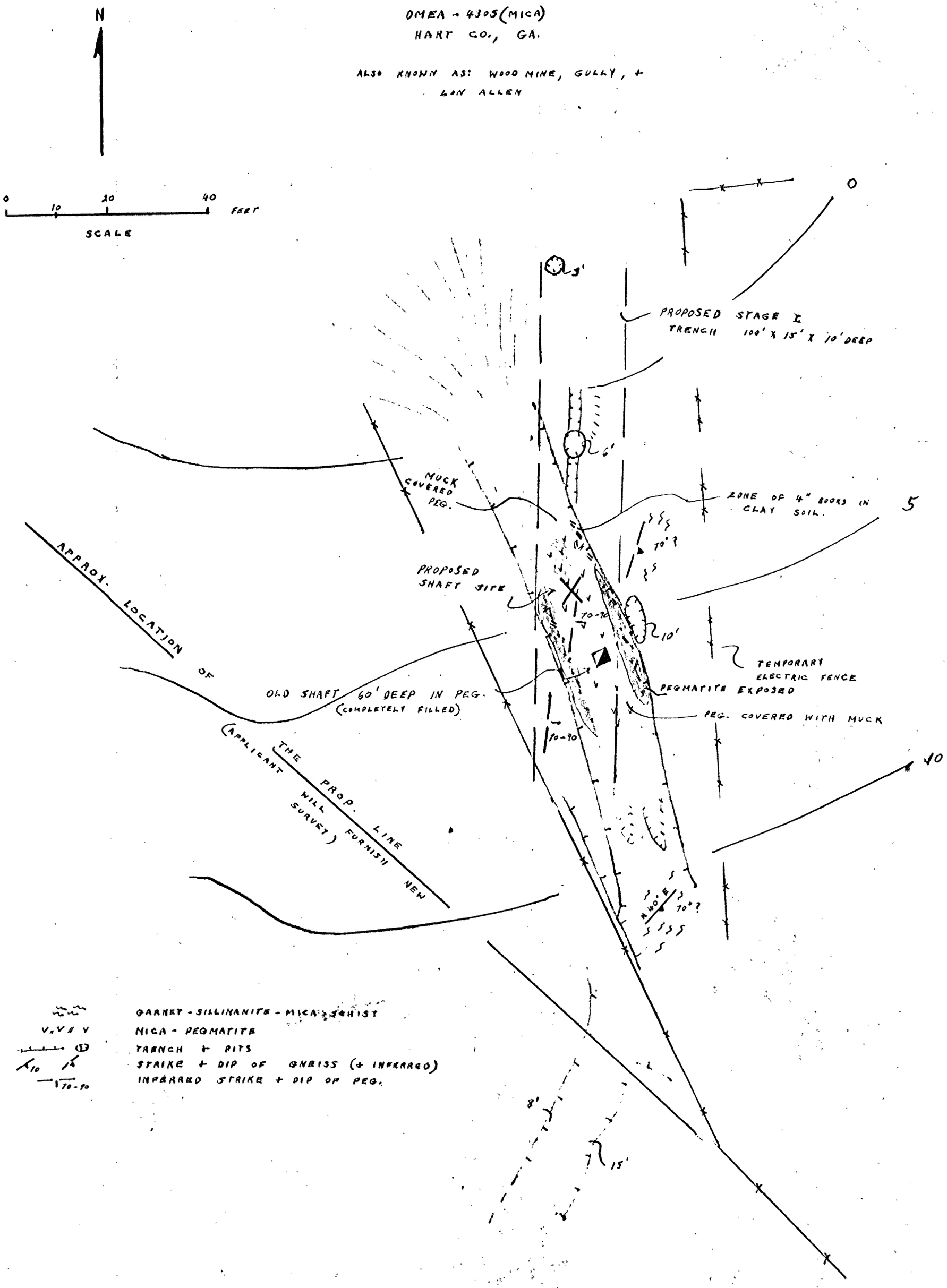

TAYLOR 6-25-1956

17