DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm E-1060 DMEA NO. 4497

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(Withdrawn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

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

9775

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Report of:

W. G. Gauge
Route 4, Box 158
Charleston, West Virginia

pertaining to Exploration Project Contract No. IAm-E1060, DMEA No. 4497, for the month of March 1957, covering a project for the exploration of mica on property, known as the Dinky Line Prospect located in Mitchell County, North Carolina.

My review included an examination of the Monthly Report (Form 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 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		$167.00
Exceptions:		
Prior to this review	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$167.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of One hundred twenty-five and 25/100 Dollars

$125.25

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

E. D. Talbert, Auditor

April 1, 1957

DATE _____

DOCKET INDEX

ACTION DOCUMENTS

1. APPLICATION — DATE RECEIVED

2. CONTRACT 1060 — DATE 8 FEB 1957

3. TERMINATION AGREEMENT: — DATE

   a. Mutual (with/without repayment provision).
   b. Unilateral.
   c. Amendment with automatic termination clause and with/without repayment provision.

4. CERTIFICATION — DATE

5. AUDIT REPORT — DATE

6. AMENDMENTS - NUMBERS — DATE

MF-200A
(Rev. April 1956)

OFFICIAL FILE COPY
Government Copy
DMEA
RECEIVED MAR 27 1957

DATE	INITIALS	CODE

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

DMEA No.	*Commodity*	*Contract No.*	*County*	*State*
4497	Mica	Idm-E 1060	Mitchell	North Carolina

It is agreed 8 FEB 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and W. G. GOUGE

whose mailing address is Route 4, Box 158
Charleston, West Virginia
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 MAR 20 1957, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 7 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 $4,992.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $3,744.00, 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:

(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.

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

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

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

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

ARTICLE 7. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

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

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *Notices to be given by the Government* may be delivered to the Operator or may be sent by registered mail addressed to the Operator at the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 10. *Changes and added provisions.*—

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Executed in sextuplicate the day and year first above written.

W. G. Gouge

W. G. GOUGE (Operator)

By .....

.....

THE UNITED STATES OF AMERICA

By O. Mitchendorf

Administrator, Defense Minerals Exploration Administration

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

W. G. Gouge.

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE: 1956—O-383069

Indexed 2/5/57

"Appd. Sol. Off."

Anderson

Chambers

Selfridge

Johnson

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 27 1957

DATE	INITIALS	CODE

EXPLORATION PROJECT CONTRACT
W. G. GOUGE
DOCKET NO. DMEA-4497

ANNEX I

The land referred to in Article 2 of the contract is known as the Dinky Line Prospect and is owned by the Operator. It is located 0.75 airline miles S 59° E of Bandana, Mitchell County, North Carolina, on the northwest slope of Burns Mountain at an elevation of 2975 feet as shown on attached Map No. 1 entitled "Docket No. DMEA-4497 Mica 'Old Dinkey Line Mica Prospect,' W. G. Gouge Property, Mitchell County, N. C.," and described as follows:

Beginning at a cucumber tree which is located approximately 437 feet N 45° W from the proposed shaft; thence 643 feet S 60° E to a mahogany tree; thence 82.5 feet S 61° E to a stake; thence 115 feet S 18° W to a rock; thence 231 feet S 16° E to a stake; thence 165 feet S 3° E to a stake; thence 82.5 feet S 6° W to a stake; thence 192 feet S 4° E to a stake; thence 165 feet S 11° W to a stake; thence 131.5 feet S 80° W to a stake; thence 1155 feet N 30° W to a stake; thence 300 feet N 18° W to a point of closing, and comprising 13.5 acres.

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DMEA
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DATE	INITIALS	CODE

EXPLORATION PROJECT CONTRACT
W. G. GOUGE
DOCKET NO. DMEA-4497

EXHIBIT A

Description of the Work

Exploration for concentrations of strategic mica shall be performed in the area indicated on Map No. 2 entitled "Dinky Line Prospect, Mitchell County, North Carolina, DMEA-4497 (mica)," attached hereto and made a part hereof.

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

Stage I

Excavate a trench along the projected strike to properly expose the contacts of the pegmatite. The dimensions of the trench shall be 100 feet long by 15 feet wide by 10 feet deep, and the excavation shall amount to not more than 555 cubic yards.

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 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 equipped with the equivalent of a 5-tumbler jarproof lock.

[illegible]

2. From the bottom of the trench, at a location to be approved by the Government, sink a two-compartment vertical and/or inclined shaft for a distance not to exceed 50 feet.

3. Explore the pegmatite by driving, from the bottom or near the bottom of the shaft, not more than 80 feet of drifts and/or crosscuts.

The shaft and the drifts and/or crosscuts shall be timbered as necessary and shall have minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber. All work shall be performed on the pegmatite or in as close proximity thereto as possible.

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

Fixed Unit Costs

Stage I

Excavate trench, 555 cubic yards @ $0.30/cu. yd. (rounded)		$ 167.00	

Stage II

1.	Construct:	Toolhouse1/	$ 75.00	
		Powder magazine1/	25.00	
		Exploder magazine1/	15.00	115.00
2.	Sink shaft 50 feet @ $43.00/ft.			2,150.00
3.	Drift and/or crosscut 80 feet @ $32.00/ft.			2,560.00
	Estimated Total Cost of Project			$4,992.00
	Government Participation @ 75%			$3,744.00

1/ The completed work constitutes the unit.

RECEIVED MAR 27 1951
D.M.E.A
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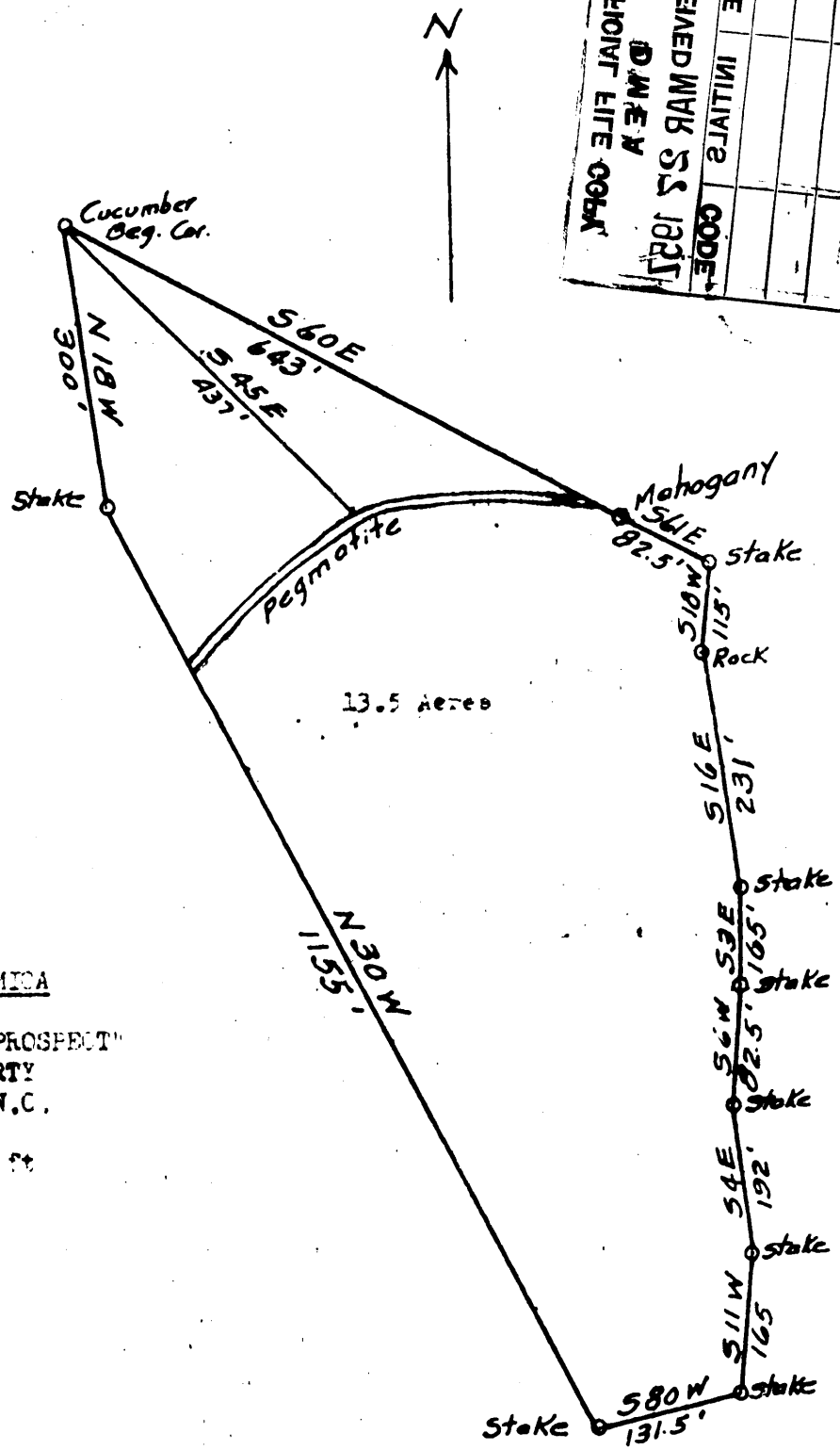
CODE	INITIALS	DATE



[illegible]A-4197 MICA

[illegible] LINE MICA PROSPECT
[illegible]UGE PROPERTY
[illegible]NTY, N.C.

[illegible] 1,000 ft

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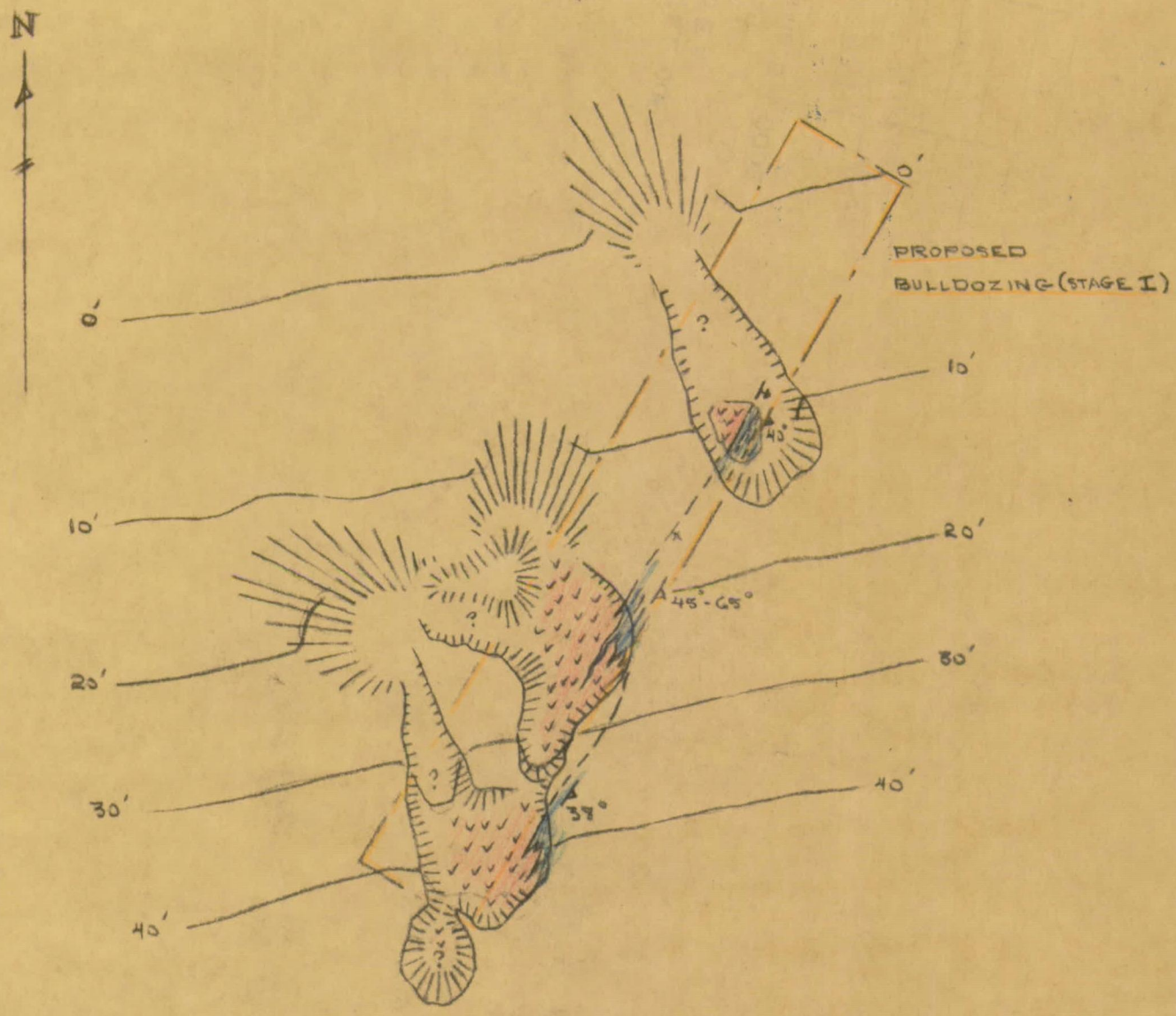

MAP NO. 2

DINKY LINE PROSPECT

MITCHELL COUNTY, NORTH CAROLINA

DMEA - 4497 (MICA)

LEGEND

- PEGMATITE
- MUSCOVITE-BIOTITE GNEISS
- EXCAVATION
- DUMP

SCALE: 1" = 20'

SCB 11/56

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DMEA
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DATE	INITIALS	CODE

RECEIVED
DEC 21 1956
D.M.E.A.

MF-205
(Combines and supercedes MF-201 and [illegible]-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

5 copies of above [illegible]

RECEIVED
OCT 1 [illegible]

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described as follows: 2/ Being a part of the 106 acre tract of land owned by the applicant, W. G. Gouge, said tract being located in Mitchell County, N. C., Bandana Township and described as follows: Beginning on an iron stake at the center of the 'Dinkeyline Mica Prospect', which is located ~~approximately 437 feet N.E. of the W. G. Gouge John~~ C. McBee corner, (as listed in a certain deed duly recorded in Register of Deeds office for Mitchell County, North Carolina, ~~in Book M, Page 400,) and running 250 feet North~~; thence 250 feet West; thence 500 feet south, thence 500 feet East; thence 500 feet North; thence 250 feet West to a point of closing, Containing (5) acres more or less.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 29 day of September, 1956.

W B Bouge	[Seal]	R 4 Box 158 Charleston W.Va	[Address]
Linnea Bouge	[Seal]	"	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

CONTINUED FROM PAGE 1. APPLICATION
A SUPPLEMENT TO DESCRIPTION OF LAND
COVERED BY APPLICATION ATTACHED.

approximately 437 feet N.E. of the W.G. Gouge-John C. McBee corner(as listed on a certain deed duly recorded in Register of Deeds office for Mitchell County, North Carolina in Book M M., Page No. 400)and running 250 feet North;thence 250 feet West; thence 500 feet South; thence 500 feet East; thence 500 feet North; thence 250 feet West to a point of closing. This property joins the Sally Howell land on the East. The above described tract contains (5) acres more or less and is located approximately ½ mile East of the Bandana, N.C. Postoffice in Mitchell County, State of North Carolina..

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 10 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. 4497
Metal or Mineral Mica
Date Received 10-10-56
Estimated Cost $6317.50
Participation (Government %)

INSTRUCTIONS

RECEIVED
OCT 8 - 1956
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: W. G. Gouge, (Individual)
Rt.4. Box 158,
Charleston, West Virginia.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. None

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. None

(*d*) If a partnership, add to the above statement the names and addresses of all partners. None

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 Being a part of the 106 acre tract of land owned by the applicant, W.G. Gouge, said tract being located in Mitchell County, N.C., Bandana Township and described as follows: Begining on an iron stake at the center of the Dinkeyline Mica Prospect which is located

See attached sheet

(*b*) State any mine name by which the property is known. "The Dinkey Line Mica Prospect."

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
The applicant is owner of this tract of land.

(*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. Owner

(*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. None.

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. See attached sheets

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

(*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. do

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated ....., 195..

X W B Gauge,
(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

Re: Dinkey Line Mica Prospect.
Mitchell County, N.C.

W.G. Gouge, (Owner & Applicant)
Route 4, Box 158
Charleston, West Virginia.

SUPPLEMENT SHEET NO.1.
--re--
FORM MF-103, (Revised)

Section 4-(a) PHYSICAL DESCRIPTION.

The mica Prospect hereinafter referred to as the "Dinkey Line Mica Prospect", is located about ½ mile East of the Bandana, N.C. postoffice in Mitchell County, N.C. on the lands of the applicant, W.G. Gouge. It lys near the foot of a prominient ridge being on the North side of said ridge and is reached over a gravel road leading east off N.C. State highway # 80, directly accross said highway from the Bandana, N.C. postoffice Bldg. There are no current operation of the prospect. The last known work at the prospect was done about 1942 by the brother of the applicant who recovered a fair amount of good clear mica some of the books cutting 3" X 5" trimmed pattern. This small amount of work was done by hand method over a few day period of work as it was prior to time mica purchase was made by the Colonial Mica Co. A small amount of work was done in the late 90's but no one seems to remember just who did the work at that time. The applicant is interested in mining the property as the owner who feels reasonabally sure that a good deposit of mica can be uncovered by developing the prospect by means of modern equipment. The site of the prospect can easily be reached over a good paved road from Bakersville, N.C. or Spruce Pine, N.C. to Bandana postoffice thence east over a gravel road approximately ½ mile to prospect.

Section 4-(b) PAST & CURRENT OPERATION & PRODUCTION.

As stated in Sect. 4-(a) above, there is no current operation of the mica prospect. From all available information, a good bit of good grade mica was recovered from the prospect by the old miners in the late 90's and a reasonable amount of good grade mica was recovered by the applicant's brother in about 1942 when he mined the prospect for a few days by hand sinking a small shaft some 8 foot deep in the floor of the present open cut about half way to head of the said cut.

Section 4-(c) GEOLOGIC DATA OF PROSPECT.

The main pegmatite Body is composed of hard feldspar, flint and granite. The pegmatite will average about 6 foot from slate to slate with a rich mica ~~xxx~~ bearing area approximately 2½ feet wide ajacent to the quartz core which is 14" thick in places but will average about 10 inches where exposed. A few small patches of soft kaolinized feldspar were noted. The slate binding is of the hard grey type of slate native to this section. The vein is of the permanent running type and the strike of the main body is to the North-Northeast and to the South-Southwest with a dip of about30 to 35 degrees to the South. The dump from the old works reveal rich mica rock, quartz & slate with some scattered small book of weathered mica showing. From what small amount of crude work previously done and the amount of good grade mica recovered, the applicant is satisfied that this prospect will prove of value as a mica deposit if properly developed with modern machinery under the supervision of a skilled mica miner or miners.

Re: Dinkey Line Mica Prospect.
Mitchell County, N.C.

W.G. Gouge, (Owner & Applicant)
Route 4. Box 158
Charleston, West Virginia.

SUPPLEMENT SHEET NO.2.
--re--
FORM MF-103, (Revised)

Section 4-(d) ACESSIBILITY OF PROSPECT.

From either Bakersville or Spruce Pine, N.C. take N.C. State route # 26 to M.E. (Mose) Buchanan's store at the intersection of route # 26 with the Mine Creek road approximately 3½ miles South of Bakersville. Go Southwest on Mine Creek road about 2 miles to the intersection of the Mine Creek road with N.C. State highway # 80 near Hoilman's store. Take N.C. # 80 Southwest 3 miles to the Bandana ,N.C. postoffice bldg. Turn east in front of postoffice on grave road and go about ½ mile to prospect. Note: The last 300 yards from end of gravel road to site of the mica prospect must be traveled on foot over an old sled road.

Section 4-(e) MANPOWER, SUPPLIES, MATERIALS, Ects.

An ample number of thoroughly experienced mica miners are available in the immeadiate vicinity of the proposed mica project and all necessary equipment, materials and mining supplies are available either at Penland, N.C. or Spruce Pine, N.C. neither supply point being over 12 miles from project site. There is a power line about 900 yards Northwest of the project and there are ample supply of water available nearby the project. The nearest dwelling house to project is 500 yards distance from project.

Section 5-(a) PROPOSED EXPLORATORY WORK.

There is at the present time an open cut about 70 feet long by 8 feet wide by 12 foot deep at the head of cut or the highest overhead wall. The shallow 8 foot shaft heretofore mentioned in Sect. 4-(b) is located about 35 feet from the foot of the cut or about ½ way distance going up into the cut. It is proposed to widen out this shallow 8' shaft to the required 5' X 7' shaft requirments and to sink the said shaft to a depth of 50 additional feet from the bottom of present 8' shaft. A drift then would be drove each way with the run of the vein 25 feet from center of the bottom of the 58 foot shaft. This proposed operation calls for 50 ft. 5' X 7' shaft from bottom of the present 8' shaft down and with the pitch of the vein. Then 50 feet of drift along the run of the vein.(25 feet each way from center of shaft bottom.)

Section 5-(d) QUALIFICATION OF MINE WORKERS.

As Mitchell County is strictly a site of Mica, clay and feldspar and there are hundreds of fully experienced miners available, it would not be necessary to hire inexperienced mining labor as there are plenty of experienced miners ready to work. Only such experienced miners would be employed on this project. The applicant has had some experience in mining and the supervision of the project would be filled by a man with sufficient mining experience to qualify him to oversee the project.

Section 6-(a) INDENPENDENT CONTRACTS---NONE.

Section 6-(b) LABOR & SUPERVISION OF PROJECT.

No.	Classification	Hr. Rate	Weekly Rate	Monthly Rate	Period Rate be on 16 Wks. 64
(1)	Supervisor	$ 1.75	$ 70.00	$ 280.00	$ 1120.00
(1)	Drill Runner	1.50	60.00	240.00	960.00
(1)	Hoist Optr.	1.25	50.00	200.00	800.00
(2)	Muckers @ 1.00 ea	2.00	80.00	320.00	1280.00
(5)	Man Crew---------	$ 6.50	$ 260.00	$ 1040.00	$ 4160.00 3

Re: Dinkey Line Mica Prospect.
Mitchell County, N.C.

W.G. Gouge, (Owner & Applicant)
Route 4. Box 158
Charleston, West Virginia.

SUPPLEMENT SHEET NO.3.
--re--
FORM MF-103, (Revised)

Section 6-(c) OPERATING MATERIALS & SUPPLIES. (Purchase Basis)

Unit.	Items.	No. Units.	Unit Cost.	Est Period Costs.
Ft.	Drill Steels	24 Tung'n	$ 6.40	$ 153.60 2-6'runs
Ft.	Air Hose	50	.80	40.00
Ft.	1" pipeing (air)	150	.15	22.50
Ft.	Baty Lead line	100	.06	6.00
Gal.	Gasoline	560	.22	123.20
Qts.	Motor Oil	160	.20	32.00
Lbs.	Dynamite 40%	500	.25	125.00
Ea.	El. Exploders	400	.14	56.00
Ea.	Line Lubricator	1	20.00	20.00
Ea.	Mine Bucket	1	6.00	6.00
Ea.	El.Blastg Battery	1	25.00	25.00
TOTALS----------			$ XXXXXX	$ 609.30

Section 6-(d) OPERATING EQUIPMENT.--(Rental Basis)

Unit.	Items.	No.Units.	Monthly Unit Costs.	Est. Period Costs
Ea.	Air Compressor	1	$ 125.00	$ 500.00
Ea.	Jackhammer Drill	1	50.00	200.00
Ea.	I ton Gas Hoist	1	35.00	140.00
Ea.	Jackleg	1	10.00	40.00
TOTALS----------		4 ------	$ 220.00 -----	$ 880.00

Section 6-(f) NEW BUILDINGS & INSTALLATIONS. (Purchase Basis)

Unit.	Items.	No. Units.	Unit Costs.	Est. Period Cost
Ea.	Tool House & Shop	1	$ 75.00	$ 75.00
Ea.	Powder Mazazine	1	25.00	25.00
Ea.	Exp. Magazine	1	15.00	15.00
TOTALS----------		3 -------	$ 115.00 ------	$ 115.00

Section 6-(g) MISCELLANEOUS EXPENSES.

Federal Payroll Taxes @ 2% of $ 4160.00--(16 Week Payroll-$ 83.20
Employer's Liability Insurance. (5 man crew) Estimated---- 150.00
TOTALS----------$ 233.20

Section 6-(h) CONTINGENCIES.
32 Hours work with Bulldozer @ $ 10.00 per Hr.----------$ 320.00

Section 7-(b) EXPLINATION OF OPERATORS 25% PARTICIPATION IN PROJECT.

The operator (applicant) will furnish his 25% cost of the proposed exploratory project by supplying all small hand tools needed plus paying $ 1583.75 of the costs of labor & Supervision.

GENERAL SUMMARY OF PROJECT EXPENSES AND
THE GOVERNMENT & OPERATORS PARTICIPATION

TOTAL ESTIMATED COSTS OF PROJECT, (16 WEEK PERIOD)------$ 6317.50
APPLICANTS SHARE OF ABOVE @ 25% OF ESTIMATED COSTS------$ 1583.75
TOTAL AMOUNT OF LOAN SOLICITED FROM GOVERNMENT. 75%-----$ 4733.75

Respectfully Submitted,
X W.G. Gouge
W.G. Gouge, (Applicant)
Rt.4. Box 158
Charleston, West Virgina.

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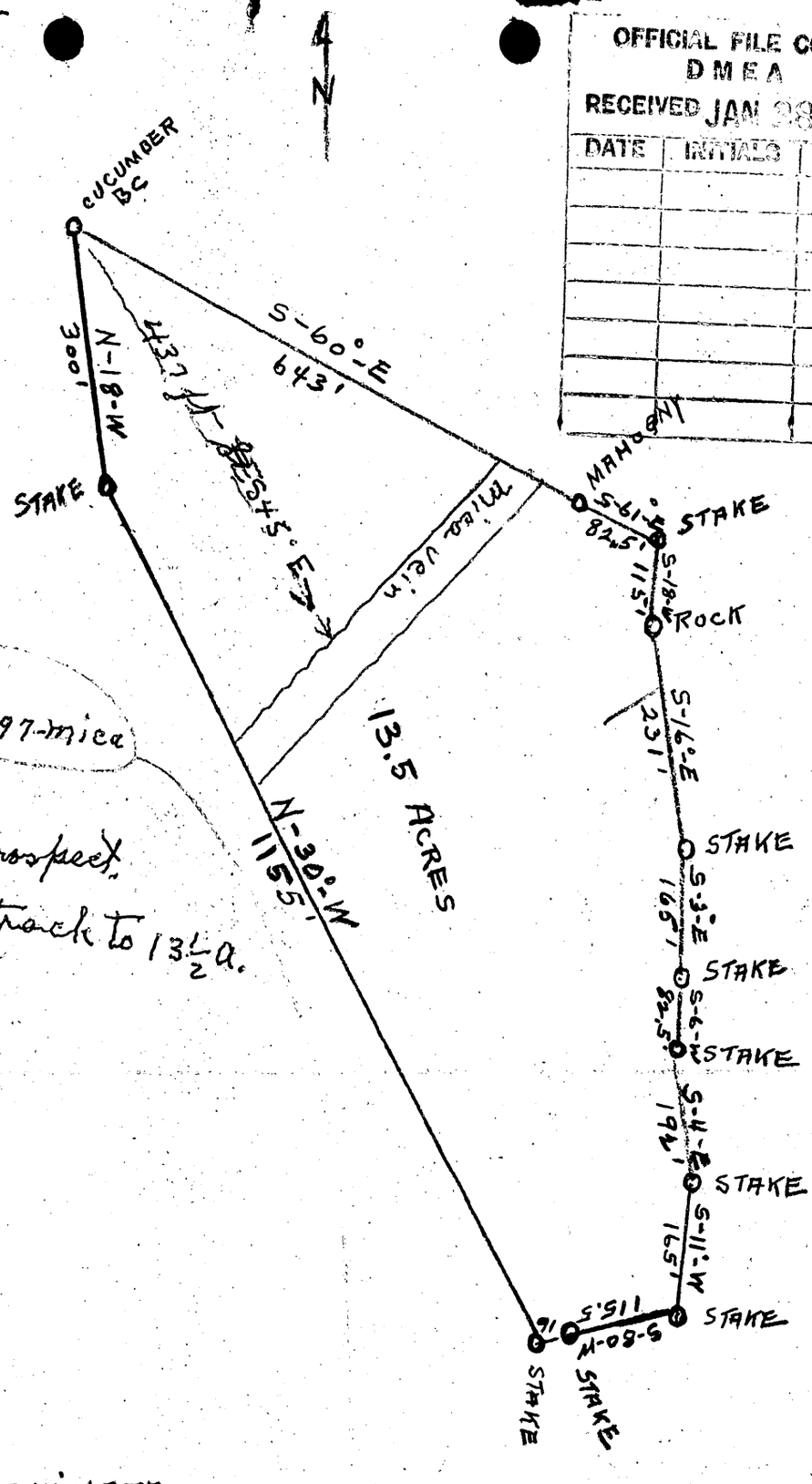
DMEA
RECEIVED JAN 28 1957

DATE	INITIALS	CODE



Docket no. DMEA-4497-mica
W.G. Gouge
The Dinkey Line mica Prospect
change from 5a. track to 13½a.

NOTE:
ALL DATUM APPROXIMATE

"OLD DINKEY LINE MICA PROSPECT"

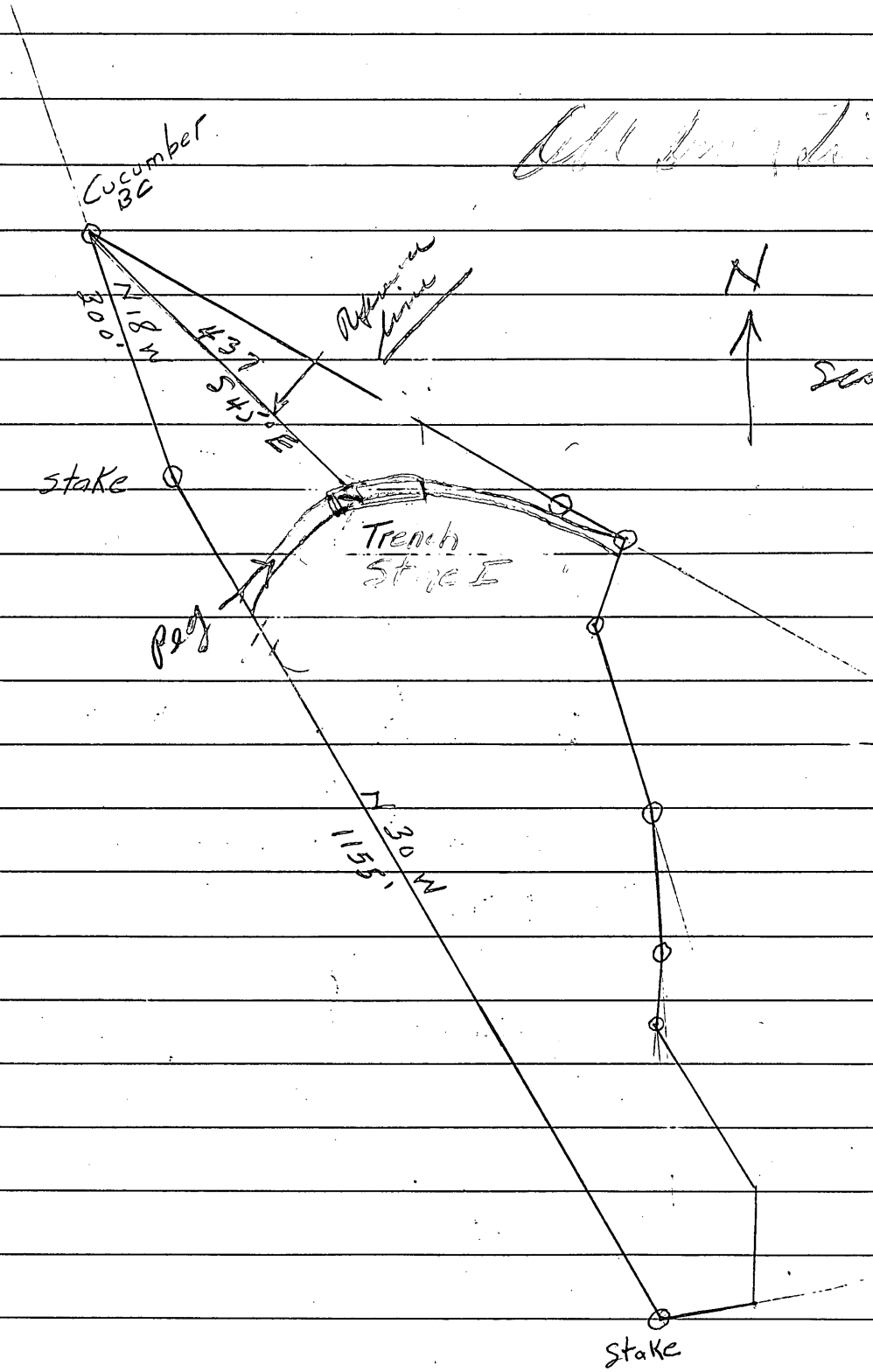
W. G. GOUGE PROPERTY

MITCHELL COUNTY, N.C.

map no. 1

SCALE: 1 IN = 200 FT

0 200


Cucumber
BC
N 18 W
300'
437
S 45° E
Reference line
N
Scale 1" = 200'
stake
Trench
Stage I
peg
N 30 W
1155'
stake

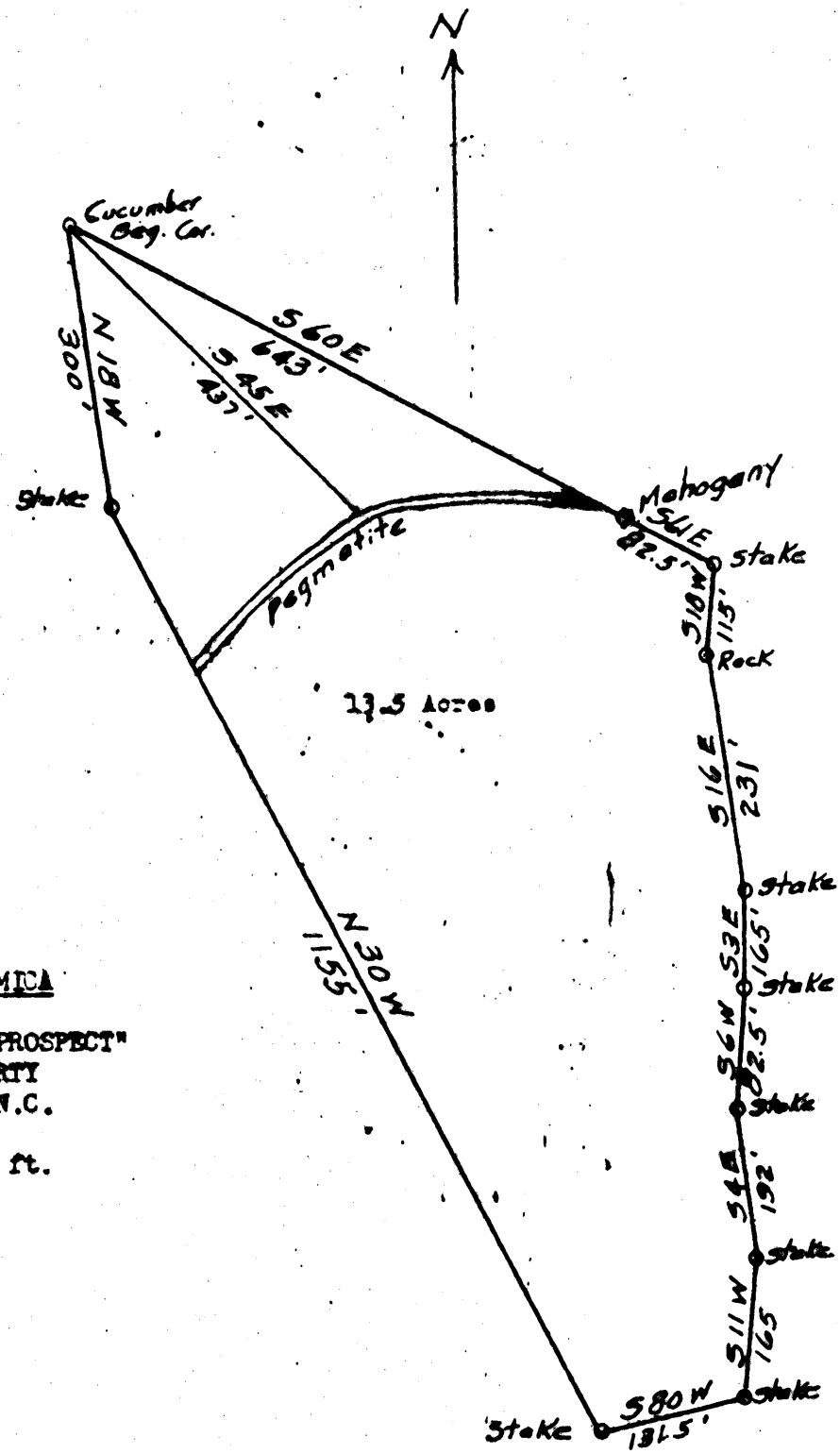
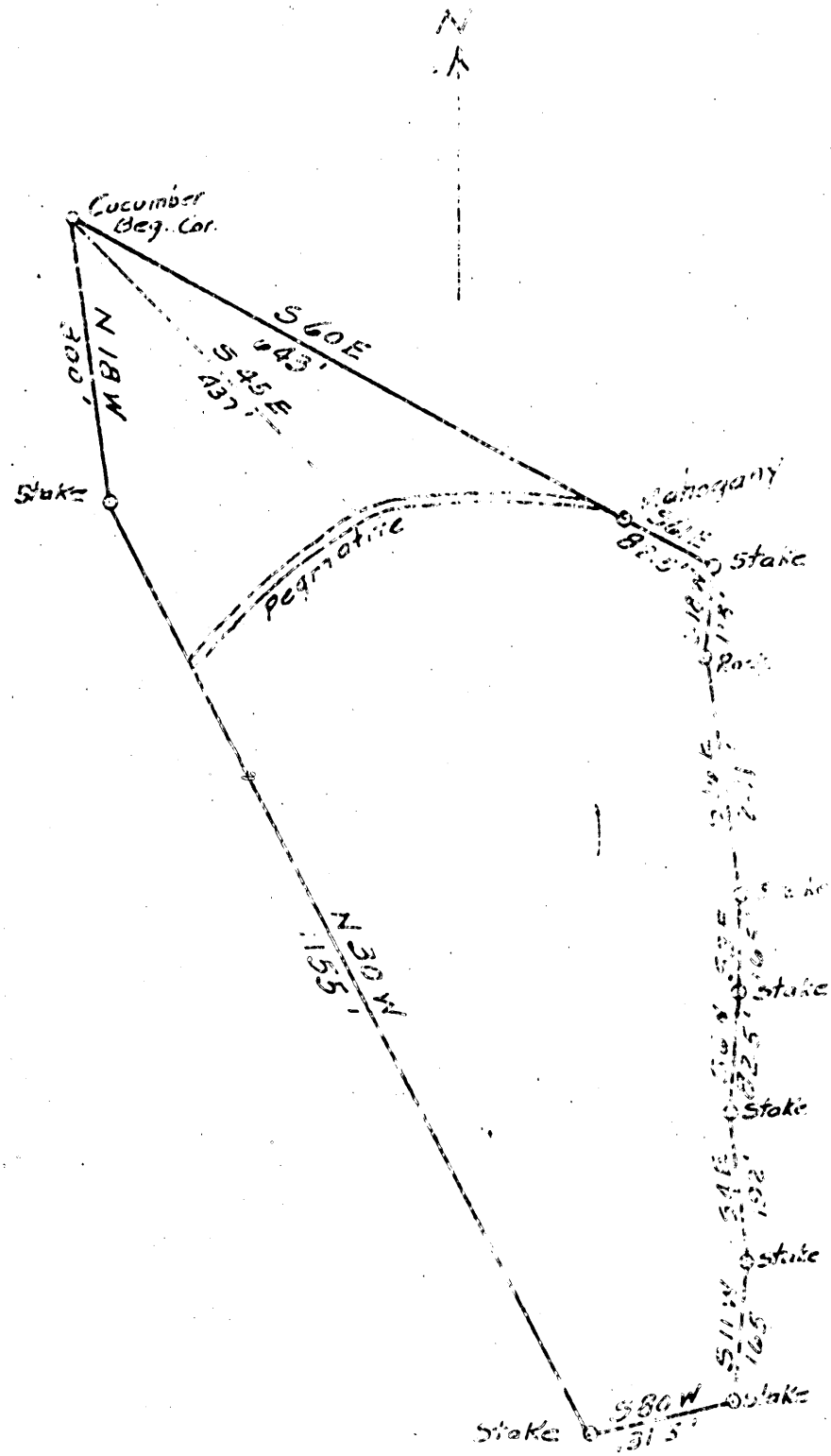


FIG. 1

[illegible] NO. DMEA-4497 MICA

OF "PINKEY LINE MICA PROSPECT"
W. G. GOUGE PROPERTY
MITCHELL COUNTY, N.C.

Scale: 1 in. = 200 ft.


N
Cucumber
Beg. Cor.
S 60 E
N 18 W
S 45 E
437'
Stake
Mahogany
Stake
pegmatite
Rock
N 30 W
155'
Stake
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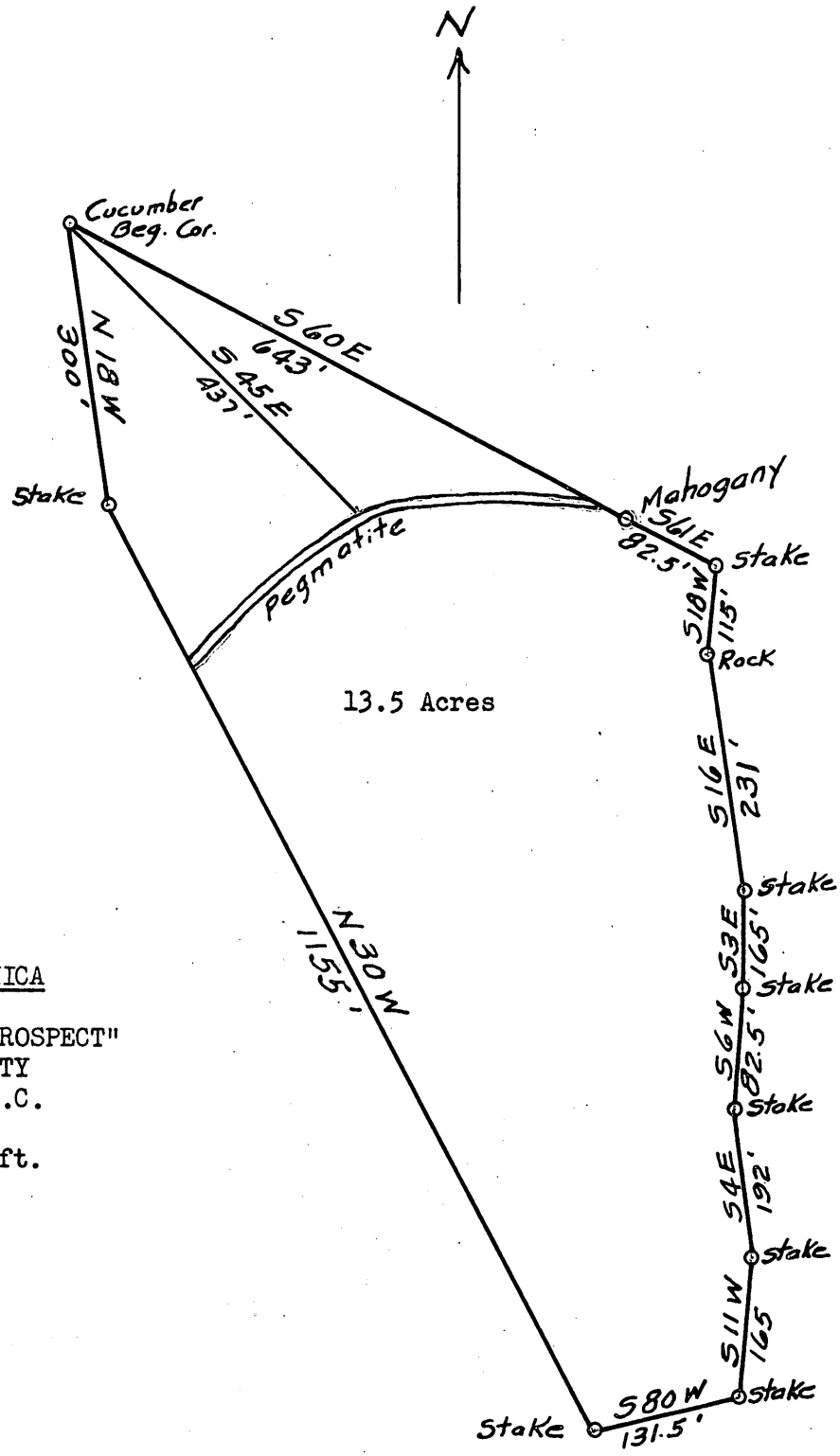
Stake
S 80 W
Stake
Stake

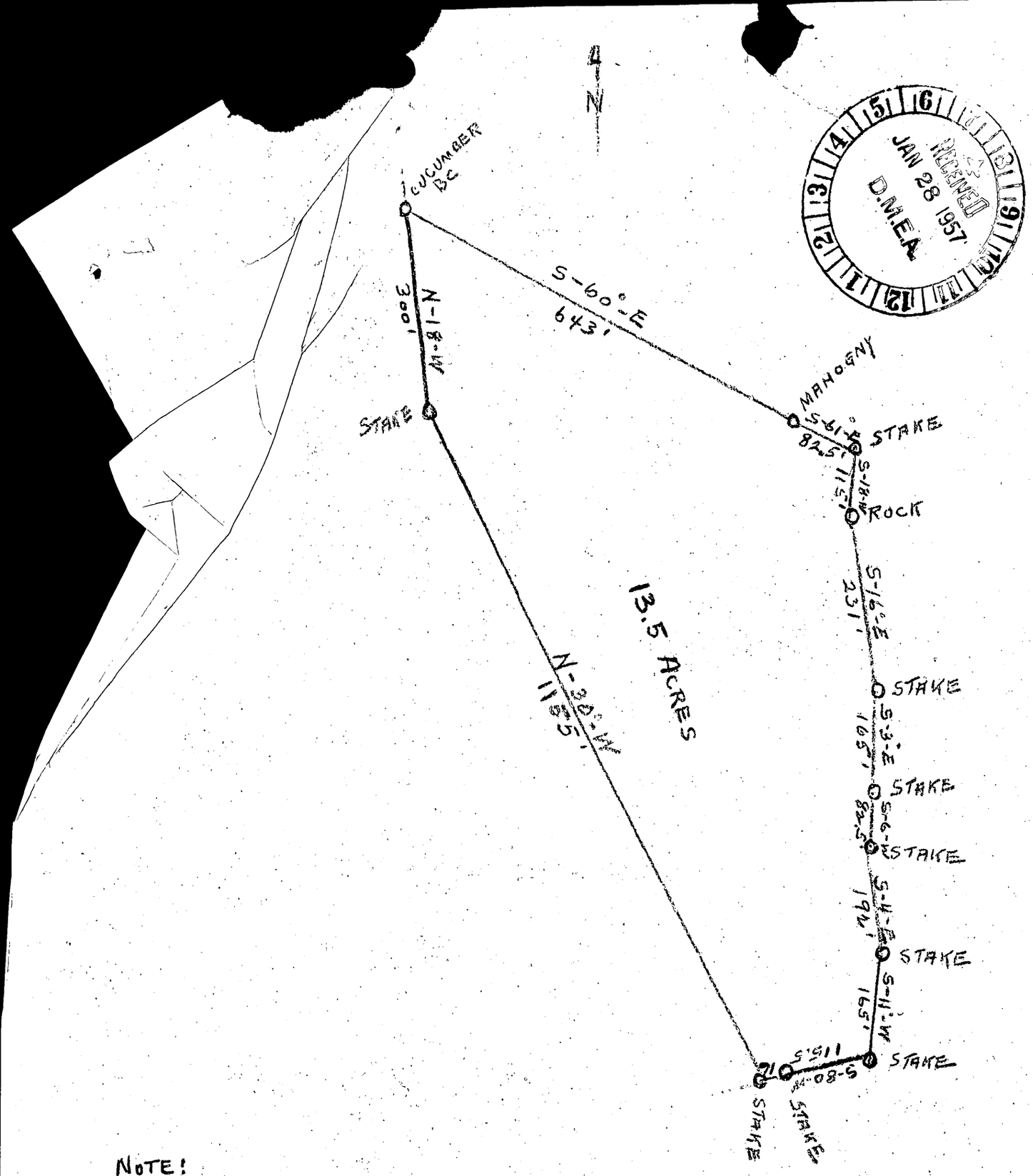


MAP NO. 1

DOCKET NO. DMEA-4497 MICA

"O[redacted] LINE MICA PROSPECT"
[redacted] GOUGE PROPERTY
MITCHELL COUNTY, N.C.

Scale: 1 in. = 200 ft.



NOTE!
ALL DATUM APPROXIMATE

"OLD DINKEY LINE MICA PROSPECT"

W. G. GOUGE PROPERTY

MITCHELL COUNTY, N.C.

SCALE: 1 IN = 200 FT

0 200

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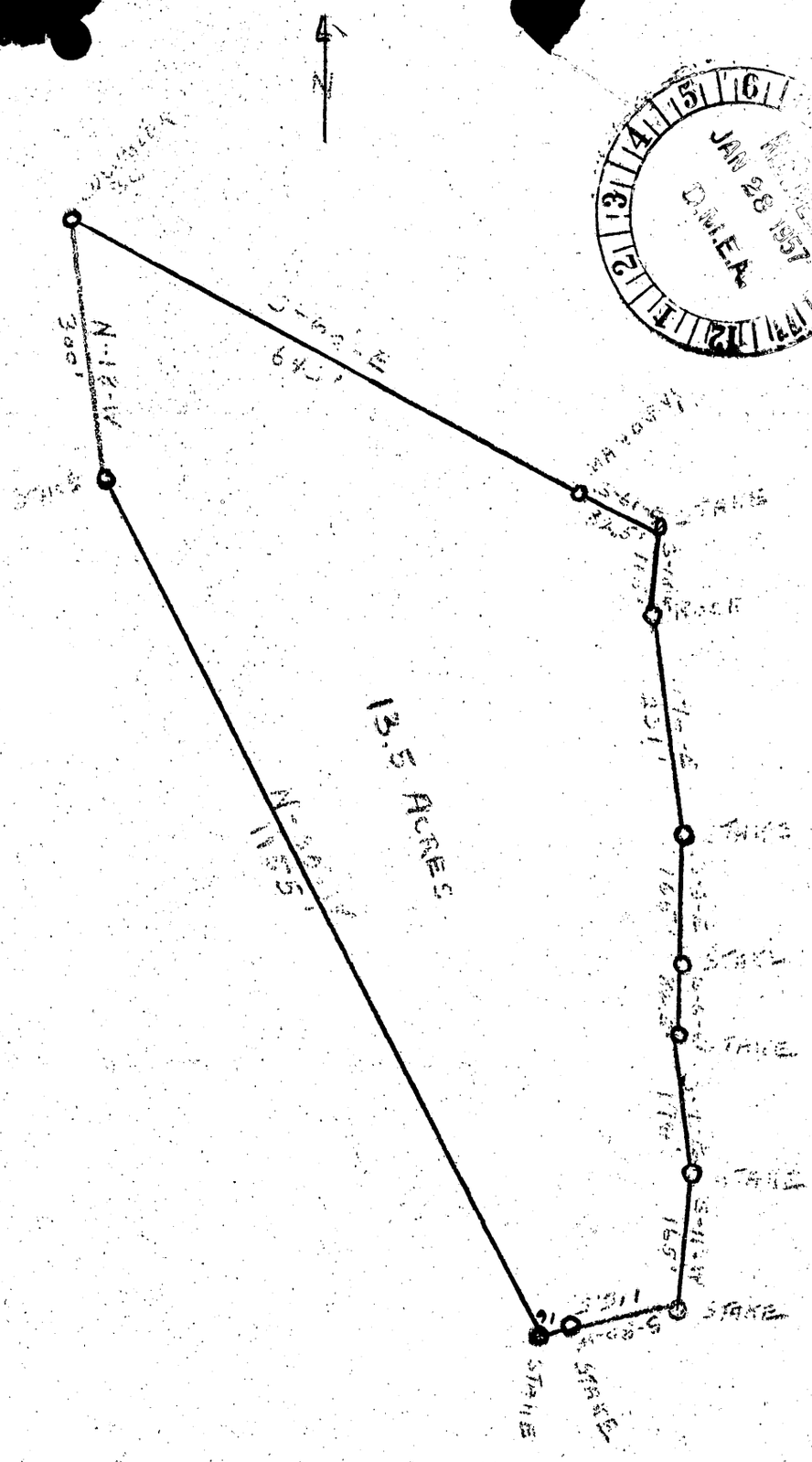

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JAN 28 1957
D.M.E.A.

NOTE:
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"OLD DINKEY LINE MICA PROSPECT"

W. G. GOUGE PROPERTY

MITCHELL COUNTY, N.C.

SCALE: 1 IN = 200 FT

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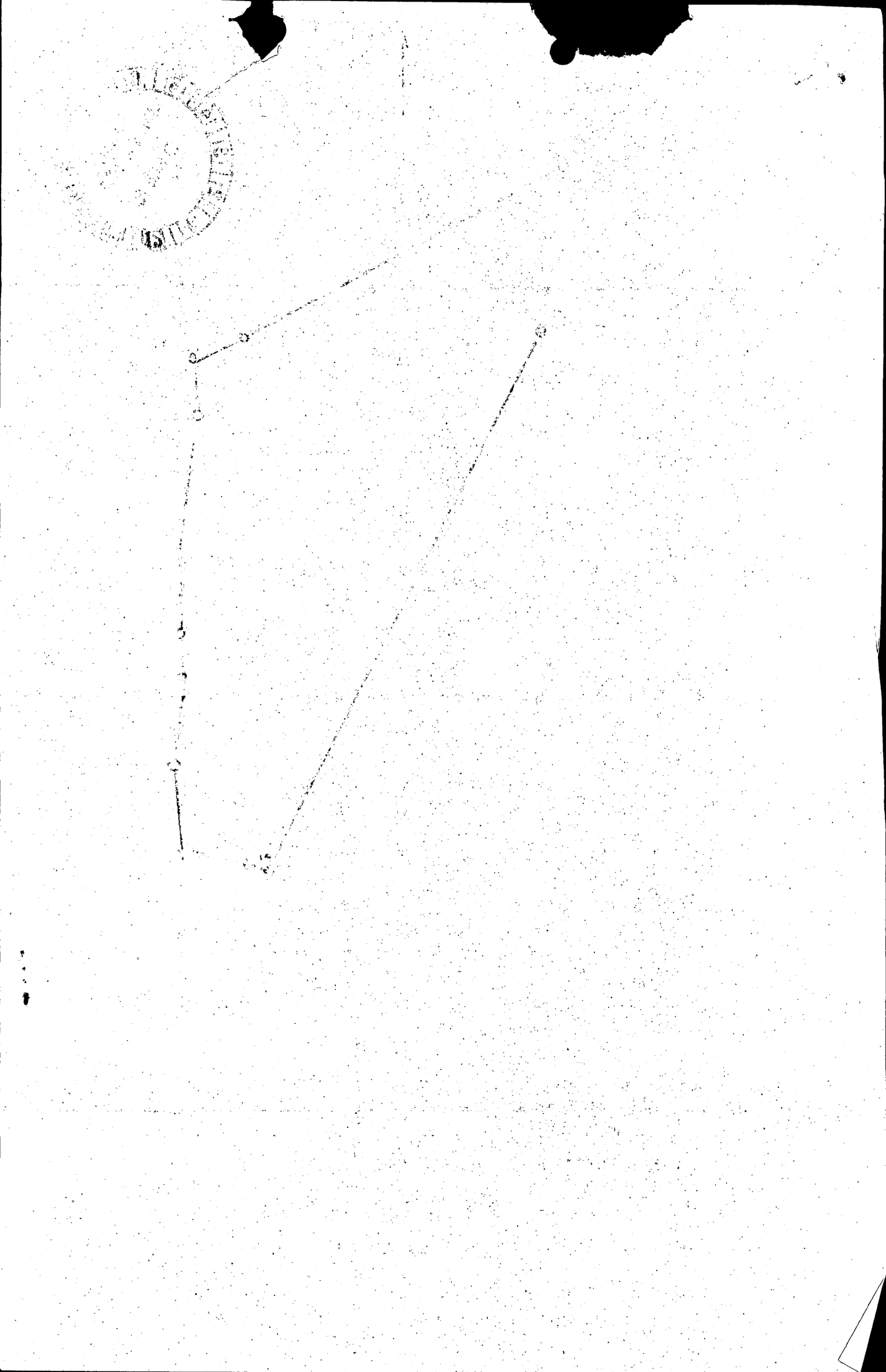

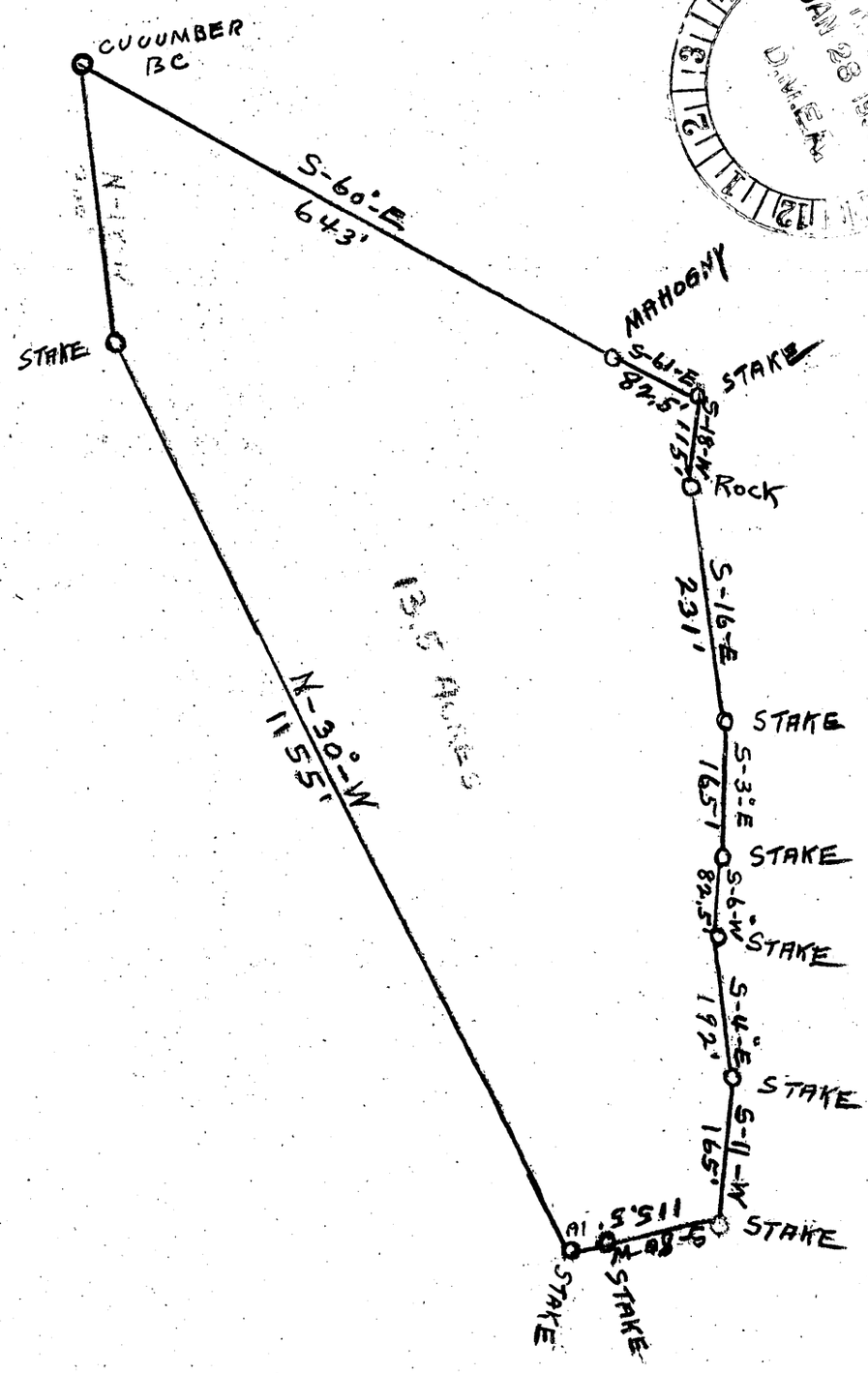

NOTE;

ALL DATUM APPROXIMATE

"OLD DINKEY LINE MICA PROSPECT"

W.G. GOUGE PROPERTY

MITCHELL COUNTY, N.C.

SCALE 1 IN = 200 FT

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
	RUN STOP
[redacted]	RUN STOP
Lawrence Houk Rm. 4451	RUN STOP
	RUN STOP
	RUN STOP
	RUN STOP
	RUN STOP
	RUN STOP
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	RUN STOP

Use other side first

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ~~ROOM~~	
	RUN STOP
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☆ U. S. GOVERNMENT PRINTING OFFICE : 1951 16—38949a-2

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
~~INFORMATION~~	RUN STOP	~~Code 230~~	RUN STOP
Dept. of ~~Interior~~	RUN 40 STOP ~~43~~	~~Mrs Dyson~~ ~~Code 203~~	RUN STOP
420	RUN STOP	~~Code 230~~	RUN STOP
~~Mrs. Cook~~ ~~Code 240~~ 831	RUN STOP	~~Mrs Dyson~~ ~~Code 203~~	RUN STOP
~~[illegible]~~	RUN STOP	~~Mr. Lucas~~ ~~Code 230~~	RUN STOP
~~Miss Scott~~ ~~830~~	RUN STOP	~~D. Secty~~ ~~Code 240~~	RUN STOP
~~Mr. Lucas~~ ~~Code 230~~	RUN STOP	Mr. [illegible] Code 265	RUN STOP
~~Mrs Dyson~~ ~~Code 203~~	RUN STOP	~~Mr. McGinn~~ ~~RM 7321~~ ~~Code 260~~	RUN STOP
~~Mr. Lucas~~ ~~Code 230~~	RUN STOP	~~[illegible]~~	RUN STOP 120
~~Mrs Dyson~~ ~~Code 203~~	RUN STOP	Bureau of Mines	RUN STOP

Send surplus envelopes to supply room for reissue.

Use other side

16—88949a-2

Use RUN and STOP only when messenger service between Government buildings in Washington is required. Your mail room has RUN and STOP information.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/18	Anderson	600
11/19	Houk	600
11-19	Chambers	800
11/19	Selbridge	120
"	Gosline	110
"	Mittendorf	100
11/20	fb	220
		600

600

NOV 19 1957

Mr. W. G. Gouge
Route 4, Box 158
Charleston, West Virginia

Re: Docket No. DMEA-4497-~~Mica~~
W. G. Gouge
"The Dinkey Line Mica Prospect"
Mitchell County, North Carolina
Contract No. Idm-E1060

Dear Mr. Gouge:

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,

C. O. Mittendorf (fw)

Administrator

WCAnderson:rsi 11/18/57
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/18	Anderson	600
11/19	Hrubr	600
		110
		100
		220

600

November 18, 1957

Project Summary Report

By: Walter C. Anderson, Division of Nonmetallic Minerals

1. Docket No. DMEA-4497-Mica
Contract No. Idm-E1060
Dinky Line Prospect
Mitchell County, North Carolina

Application: Form MF-103(April 1952) received October 10, 1956.
Work Proposed:
50 feet of shaft and 50 feet of drifts
Amount requested $6,317.50

Operator: W. G. Gouge
Route 4, Box 158, Charleston, West Virginia

Operator's Property Rights: Owner.

2. Contract - Form MF-200A(April 1956) dated February 8, 1957.
Work Authorized:

Stage I

Excavate trench - 555 Cu. Yds. @ $0.30/c.yd.	$167.00

Stage II

Construct - toolhouse, powder & exploder magazines	$115.00
50 feet of shaft @ $43.00/ft.	2,150.00
80 feet of drifts and/or crosscuts @ $32.00/ft.	2,560.00
Estimated total cost of project	$4,992.00
Government participation @ 75%	$3,744.00

Amendments: None.
Work Completed: Stage I - Trenching $167.00
Total accepted cost $167.00
Government participation $125.25
Work commenced on March 1, 1957 and was completed on March 3, 1957. Field Team Final Report received March 29, 1957. Operator's Final Report received March 27, 1957. No equipment purchased under the contract.

3. Audit: Report of Review issued April 1, 1957.
Accepted cost $167.00
Government participation $125.25

4. Certification of Discovery or Development - none issued.
No mica production during operation, nor were significant reserves indicated.

8623

[illegible]

5. Comments:

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

Operation: Good.

Engineering: Good.

Geologic Premise: Trenching disproved the continuance in depth of a promising mica-rich pegmatite.

Geologic Criteria upon which work was based:

1. Pegmatite: A 10 foot thick by 65 foot long pegmatite exposed by series of pits. Concordantly emplaced in a soft, weathered, interlayered muscovite-biotite gneiss and fine-grained hornblende gneiss. Composed of perthite, kaolinized plagioclase, and minor disseminated quartz and muscovite.
2. Mica: Greenish-brown, flat and essentially free from mineral stain and intergrowth. Some cracking and ruling.
3. Past Production: No record.

Geologic Criteria developed during project:

1. Pegmatite: Description same as above cited except the length is unknown.
2. Mica: Greenish-brown, hard, flat, free of stains or spots, most is small. Less than 1% contained in pegmatite.

Future Possibilities: The pegmatite body has no potential for production of strategic grade sheet mica.

Recommendations: The Division of Nonmetallic Minerals and the Commodity Members of the Geological Survey and Bureau of Mines concur in the Field Team's recommendation that no certification is justified.

Walter C. Anderson

Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi: 11/18/57
Copy to: Admr. R. File
Mr. Houk

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
DMEA
RECEIVED NOV 15 1957

DATE	INITIALS	CODE
11/15	GL	220
11/15	[illegible]	600

X

Memorandum

November 14, 1957

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Final Field Team Report, DMEA 4497, Idm-E1060 (mica), Dinkey Line prospect, Mitchell County, North Carolina.

The examining team report that the Operator completed Stage I of the subject contract. A total of $167 was spent on the work which consisted only of a 65 foot-long dozer trench.

Reappraisal after Stage I showed the pegmatite to be unfavorable for reserves of strategic mica. No mica was produced in the course of the work, and no reserves are present.

I agree with the recommendation that the project be considered terminated and that no certificate of discovery be issued.

W. P. Williams

W. P. Williams

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

OFFICIAL FILE COPY DMEA RECEIVED APR 11 1957		
DATE	INITIALS	CODE
4/11	C	220
4/11	WM	600
April 10, 1957		

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 4497 (mica)

Applicant: W. G. Gouge

Name and Location of Property: Dinkey Line Prospect
Mitchell Co., N. C.

Date of Field Team Report: March 28, 1957

Date Rec'd. by Br. of Ceramic and Fertilizer Materials: April 5, 1957

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

Comments: 1. A mica-bearing pegmatite was explored by bulldozer excavation for a distance of 65 feet along strike under Stage I of a two-stage exploration program.

2. No mica production resulted from Stage I work.

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

Recommendation:

I concur with the recommendation of the field team that no certification be issued.

Donald R. Irving

Donald R. Irving

[illegible]

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 4-8

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~Division~~
6. ~~Docket Control Mails and Files~~
7. 600

Note comments in report regarding:

1. Am Elec / Stone Dev

2.

3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

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

April 3, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

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

Subject: Termination by Field Team, Region V, by non-approval of Stage II of the contract.

Docket No. DMEA-4497-Mica
W. G. Gouge
"The Dinkey Line Mica Prospect"
Mitchell County, North Carolina
Contract No. Idm-E1060

The Nonmetallic Minerals Division concurs in the termination of the contract at the close of Stage I by a letter from the Executive Officer, dated March 25, 1957, to the operator. Because of the Feldspathic nature of the pegmatite and the absence of mica (5 pounds scattered in trench during excavation), work was stopped by non-approval of Stage II. Operator's Final Report was received March 13, 1957, indicates concurrence.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/2	Talbert	800
4/3	C	220
		~~[illegible]~~
		600

APR 2 - 1957

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region V
Room 14, Post Office Building
Knoxville 2, Tennessee

Dear Mr. Laurence:

Enclosed are the original and two copies of Reports of Review covering the following completed or terminated Exploration Project Contracts:

Contract No.	Docket No.	Operator
Idm-F1013	DMEA-4393	Roland F. Fears, Inc.
Idm-F1060	DMEA-4497	W. C. Couch

If you concur with the facts stated therein, the original and one copy of each Report of Review should be forwarded to the Certifying Officer and one copy of each should be retained in your files. If, for any reason, a Report of Review does not have your concurrence please return all copies thereof to this Division.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
April 2, 1957

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

8623

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

ROOM 15 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

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RECEIVED MAR 29 1957

DATE	INITIALS	CODE
4/1	C	220
"	FA	138
4/8	C	220
8	Conn	100
4/9	WR	600

March 28, 1957

Memorandum

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

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

Subject: Final Report - Docket No. DMEA-4497, Contract Idm-E1060
W. G. Gouge, Route 4, Box 158, Charleston, West Virginia
Dinkey Line Prospect (Mica), Mitchell County, N. C.

Enclosed are four copies of the Field Team final report on the subject project.

Certification is not recommended.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 4

Reviewed by
DMEA OPERATING COMMITTEE
4-5-57
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 29 1957

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		220

FINAL REPORT

Final Report

DMEA-4497, Idm-E1060, DINKEY LINE PROSPECT
Mitchell County, North Carolina (Mica)

By

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

and

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

March 27, 1957

Reviewed by
DMEA OPERATING COMMITTEE
4-5-57
(date)

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DATE | INITIALS | CODE
130-46
220

EXPLORATION PROJECT CONTRACT

FINAL REPORT

DMEA-4497, Idm-E1060 (mica), DINKEY LINE PROSPECT
Mitchell County, North Carolina

Operator: W. G. Gouge, Route 4, Box 158, Charleston, West Virginia

SUMMARY AND RECOMMENDATIONS

A concordant, mica-bearing pegmatite body has been explored by bulldozer excavation for a distance of about 65 feet along strike under Stage I of a two-stage exploration program. The pegmatite body, originally considered to be a favorable host for a strategic mica deposit has been re-appraised following a more complete exposure made possible by Stage I work, and is now considered unfavorable. No mica production resulted from Stage I work, nor were significant mica reserves indicated. No further exploration is warranted, and it is recommended that no certificate of discovery be issued.

INTRODUCTION

Purpose of project.--The Dinkey Line prospect has been explored by bulldozer excavation along the strike of a pegmatite body to properly expose the body and its contacts for geologic study to appraise its potential for the production of strategic-grade sheet mica. Had this appraisal been favorable, the bulldozing work (Stage I) would have been followed by a Stage II consisting of sinking and drifting in the pegmatite body.

Location.--The property is located on the northwest slope of Burns Mountain at an elevation of approximately 2975 feet. It is 0.75 airline miles S. 59° E. of Bandana, Mitchell County, North Carolina (Micaville, N. C. quad., T.V.A. 1:24,000 series, Ed. 1934). The property may be reached from Bandana via a graded road opposite (southeast) the Post Office about 0.5 miles to a hollow to the east (draining westward), thence via a jeep trail through a farm to within about 500 feet of the prospect.

PROPERTY

Physical features and development.--An inclined trench about 110 feet long, 15 feet wide, and 10 feet deep (maximum) striking N. 55° E. has been excavated by bulldozing in a steeply sloping, heavily forested hillside (see map). This trench, made during Stage I of the exploration program, obscures a series of small hand-dug excavations in the hillside described in the Field Examination Report (p. 2). The pegmatite body is exposed on the floor of the trench for a strike distance of about 65 feet. Only a few small trees were destroyed during the course of the work and the property remains essentially in the condition preceding the exploration program.

History.--Reportedly, the prospect was first worked in 1908-09 by a Mr. Willis, and more recently, in 1942, by Mr. D. J. Gouge. There are no records of mica production from the property. The small excavations were made during these two periods of work.

GEOLOGY

General.--The Dinkey Line prospect is underlain by interlayered muscovite-biotite gneiss and fine grained hornblende gneiss into which a pegmatite body of about 15 feet maximum thickness has been implaced grossly concordant to the schistosity. The schistosity strikes about N. 55° E. and dips 50°-65° southeast. The pegmatite and enveloping gneiss are deeply weathered and a thick residuum is developed especially upon the gneissic rocks.

Pegmatite body.--The pegmatite body is tabular to lenticular shaped, and its length is unknown. Although the body is grossly concordant to the schistosity, it is very irregular in detail. Where the southeast contact is well exposed in the trench a number of apophyses of pegmatite project into

the country rock and one distinct "bulge" is seen where the pegmatite is locally discordant to the schistosity. Three pegmatite zones are seen in the body. These are: (1) The border zone, (2) a perthite-plagioclase-quartz-muscovite zone, and (3) a plagioclase-quartz-muscovite zone. The border zone is a thin selvage of fine grained felsic material typical of pegmatites in the vicinity. Zone (2) makes up nearly 90% of the volume of the pegmatite and is variable from medium to coarse grained to graphic textured. Zone (3) is seen in a small area about in the center of the body and contained the best sheet mica seen in place. The plagioclase in the pegmatite is completely weathered to kaolin and is locally limonite stained. The largest mica seen was in small books about 2 x 3 inches across, hard, flat, greenish-brown colored, and free of mineral stains or spots. Most mica seen was small, contained considerable vegetable stain along edges, and often bent. The volume of mica in the pegmatite is estimated to be less than 1%. The pegmatite body is not considered to have any potential for production of strategic-grade, sheet mica.

PROJECT

Geologic justification.--The first stage of a two-stage exploration program was justified by "a fair mineralogic and textural environment plus the presence of some good quality muscovite" (see Field Examination Report, p. 1, Summary), and the pegmatite body was not sufficiently exposed to fully appraise the strategic mica production potential of the prospect. Stage II was to be justified only by a favorable geologic appraisal of the prospect following completion of Stage I, and consists of 50 feet of inclined shaft and 80 feet of drift. A favorable appraisal cannot be given the prospect to justify Stage II. The following observations were made in the pegmatite body

that are considered to detract from its favorability. (1) The ratio of perthite to plagioclase is higher than in pegmatite favorable for mica production. (2) The free quartz content of the pegmatite is lower than in favorable pegmatite and no quartz core is present. (3) Much of the pegmatite is graphic textured. (4) During the course of work in Stage I, mica recovered did not exceed an estimated 5 pounds and none of it was of "strategic" quality.

Stage I program.--Work commenced at the prospect on March 1, 1957 and continued for 2½ days being completed on March 3, 1957. It consisted entirely of bulldozing a trench about 110 feet long with a maximum depth of 10 feet and a maximum width of 15 feet. An estimated 611 cubic yards of material were removed from the trench during the operation. The work was carried out in a satisfactory manner consistent with standards prescribed in the contract. A summary of expenditures is as follows:

Expenditures:

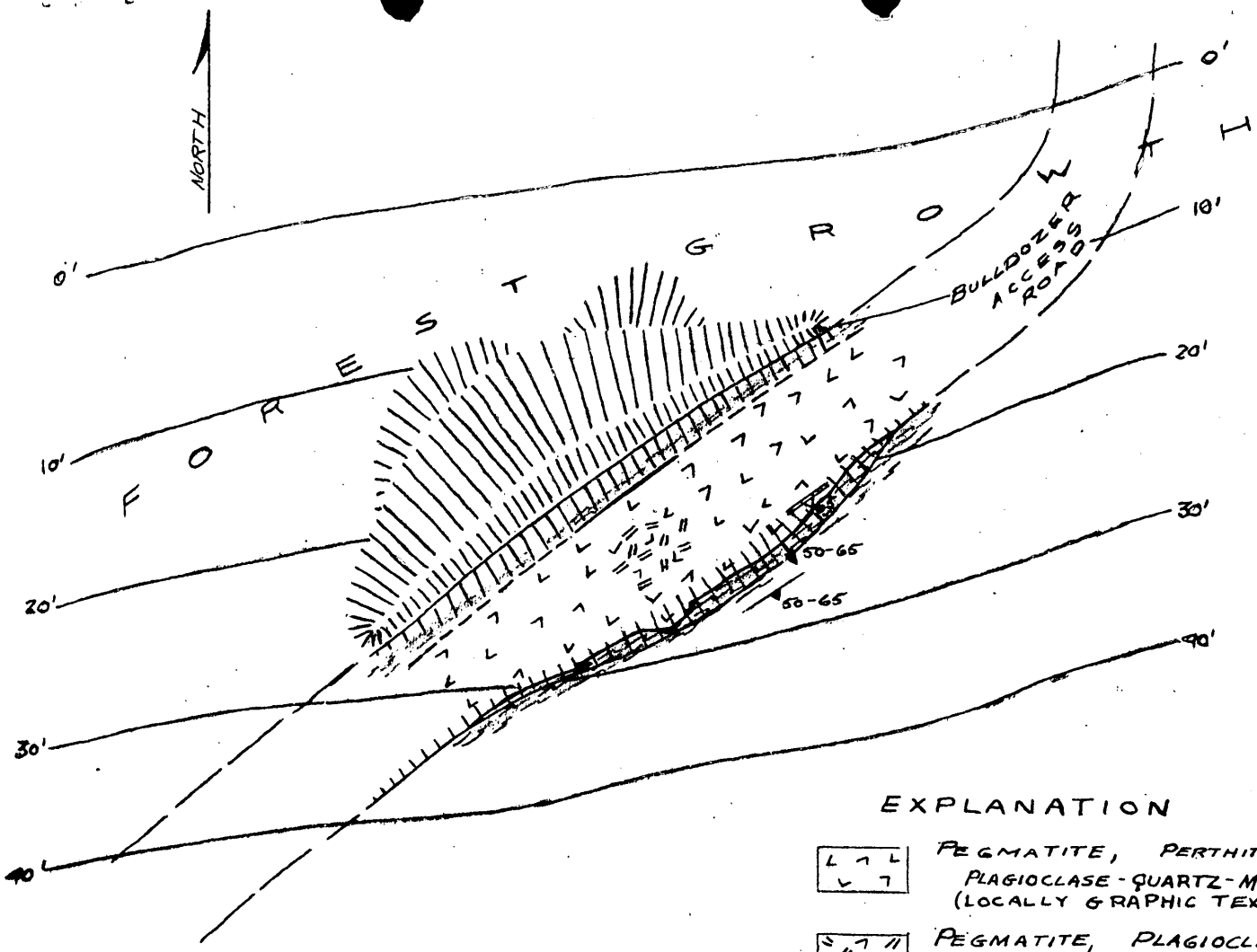
(a) Total approved	$4,992.00
(b) Total cost of project	167.00
(c) Government's participation	125.25
(d) Government's share unexpended	3,618.75
(e) Value of production	none

CONCLUSIONS

No significant strategic sheet mica deposit was uncovered by exploration under Stage I. The deposit has no sheet mica production potential, no reserves are indicated of inferred, and further exploration is unwarranted. It is recommended that no certificate of discovery be issued.

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

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



EXPLANATION

PEGMATITE, PERTHITE-PLAGIOCLASE-QUARTZ-MUSCOVITE (LOCALLY GRAPHIC TEXTURED)

PEGMATITE, PLAGIOCLASE-QUARTZ-MUSCOVITE

GNEISS, INTERLAYERED MUSCOVITE-BIOTITE GNEISS & FINE GRAINED HORNBLENDE GNEISS

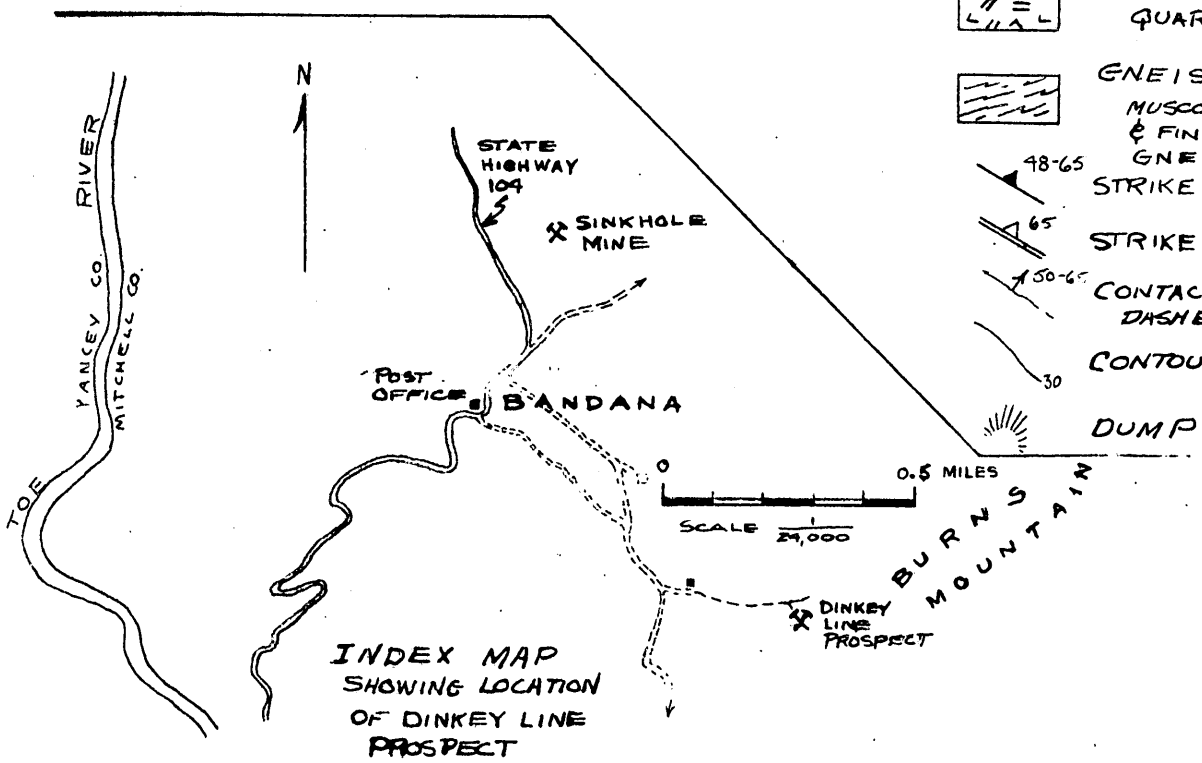
48-65 STRIKE & DIP OF SCHISTOSITY

65 STRIKE & DIP OF FOLIATION

50-65 CONTACT, SHOWING DIP - DASHED WHERE CONCEALED

30 CONTOUR LINE, SKETCHED

DUMP



INDEX MAP SHOWING LOCATION OF DINKEY LINE PROSPECT

GEOLOGIC MAP OF THE DINKEY LINE PROSPECT
MITCHELL COUNTY, NORTH CAROLINA
DMEA 4497 (MICA)

SCALE "1" = 20'

ELB 3/57

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 29 1957

DATE	INITIALS	CODE

EXTRA COPY
D M E A

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4/1/57		110
4/2		600

P. O. Box 217
March 28, 1957

Memorandum

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

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

Subject: Monthly report and voucher

We are enclosing two copies of the following monthly report and voucher:

Idm-F1060 W. G. Gouge
Docket No. DMEA-4497
1st and final payment - month of March
Starting Date: 3/1/57
Termination Date: 3/5/57
Amount $125.25

Helen R. Miller

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

MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 59

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1957 Docket No. DMEA 4497 Contract No. Fdm E1060
Operator's Name W B Gouge Minerals Mica
Address R4 Box 158 Charleston, W Va
Contract Amount, $ 4992.00 Government Participation: 75 % Amount, $ 3744.00

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 555 cu yds	167.00	—	167.00			
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	167.00	—	167.00	167.00	—	167.00

RECEIVED APR 1 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-9-57 *Payee W B Gouge
Per W B Gouge Title Owner

*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:
$ 125.25
Signature Helen R. Melin (Authorized Certifying Officer)
Date MAR 28 1957 Vou. No. 157
(See other side)

41.70

(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-106 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. Lawrence 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

RECEIVED APR 1 1957 D.M.E.A.

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1957 Docket No. DMEA 4497 Contract No. dm E1060

Operator's Name W. B. Bouge Minerals mica

Address R4 Box 158 Charleston W Va

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	167.00	555	167.00	555	.30	555	.30
TOTAL DISTRIBUTED COSTS		167.00		167.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		167.00		167.00				

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

Date 3-9-57 Operator W. B. Bouge

Per W B Bouge Title owner

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)

W. 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

Official

EXTRA COPY
DMEA
RECEIVED 28 1957

DATE	INITIALS	CODE
3/28	C	220
3/29	WW	600

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

March 26, 1957

Memorandum

To: Jay L. Chambers, Chief Contract Administration and Audit Division, DMEA - Washington

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

Subject: DMEA-4497, Idm-21060 (mica). W. G. Gouge, Operator (Our memo dated March 25).

Work on the subject contract has been terminated by non-approval of Stage II.

A total of 555 cubic yards of excavation was done and the work accepted.

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

The Operator's final voucher has been approved and forwarded to the Finance Office for payment. A report of review is now in order.

V. J. Lynch

RAL/zm

Opr. Com.-2
Finance Office
Lynch
Shirley
Files

DOCUMENT CONTROL
DMEA
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DATE | INITIALS | CODE
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
FEDERAL CENTER BUILDING
KNOXVILLE 2, TENN.

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

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 27 1957

DATE	INITIALS	CODE
3/27	C	220
3/28	[illegible]	800
3/28	[illegible]	600

March 25, 1957

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4497 Idm E1060 (Mica) W. G. Gouge, Charleston, W. Va. Dinky Line Prospect, Mitchell County, N. C., Operator's Final Report.

Enclosed are four copies of the Operator's final report. This project was terminated by non-approval of Stage II. They were received on March 13, but the signed contract was not received until today, which accounts for our delay in sending them.

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

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

Operator's Final Rpt

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

DMEA no 4497
IdmE 1060
Date work began March 1st 1957
Month of March 1957
moved Buldozer to prospect site
+ done some dozing.
March 2-1957 moving some trees and
large boulders out of way also moving
earth
March 4-1957 Finished Buldozing
more Feldspar showing than mica.
March 5-1957 Field men stopped operation
as it did not look good for Government
Quality mica.

W. G. Gouge
R4 Box 158
Charleston
W Va

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 27 1957

DATE	INITIALS	CODE

RECEIVED
MAR 13 1957
U. S. Geological Survey

CONTROLLED
DOCUMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1310 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 27 1957

DATE	INITIALS	CODE
3/27	C	220
3/28	[illegible]	800
		600

March 25, 1957

Mr. W. G. Gouge
Route 4, Box 158
Charleston, West Virginia

Re: DMEA 4497 Idm E1060 (Mica)
Dinky Line Prospect
Mitchell County, N. C.

Dear Mr. Gouge:

We have received the properly signed contract which you mailed on March 21.

Because the work done under Stage I showed that further work is not warranted, Stage II will not be approved and the project may be considered as terminated. I regret that it did not turn out better.

Your voucher was delayed, pending receipt of the signed contract. We are now forwarding it for approval.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/as
cc
Opr. Com. 3
Lynch
Shirley
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OFFICE OF RESOURCE GEOLOGY
SCHWELLE & TENN

OFFICIAL FILE COPY
D M E A

RECEIVED MAR 27 1967

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 35 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

March 25, 1957

EXTRA COPY DMEA RECEIVED MAR 27 1957		
DATE	INITIALS	CODE

Memorandum

To: Finance Office, Region V (DMEA)

From: Executive Officer, DMEA Region V

Subject: DMEA-4497 Idn E1060 (Mica) W. G. Gouge, Charleston, W. Va., Dinky Line Prospect, Mitchell County, N. C.

Enclosed is March monthly report and voucher for the subject contract, approved for payment of $125.25. Work began on March 1, and was terminated by non-approval of Stage II on March 5. Therefore, this is the final voucher.

The Operator's final engineering report has been received and forwarded to the Washington Office. Because all work was done in such a short period, the monthly narrative was combined with the final report.

Robert A. Laurence

RAL/as
cc
Opr. Com. 3
Lynch
Shirley
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 400 PORTRIDGE BLDG.
KNOXVILLE 2, TENN.

EXTRA COPY
DMEA
RECEIVED MAY 22 1957

DATE	INITIALS	CODE

EXTRA COPY DMEA RECEIVED MAR 27 1957		
DATE	INITIALS	CODE

March 25, 1957

Memorandum

To: Chief, Contract Administrative and Audit Division, DMEA

From: Executive Officer, DMEA Region V

Subject: Completion of DMEA 4497 Idm F1060 (Mica) W. G. Gouge, Charleston, W. Va., Dinky Lina Prospect, Mitchell County, N. C.

Work on the subject contract has been terminated by non-approval of Stage II.

555 see memo Mar 26 to Chambers from Laurence FSH

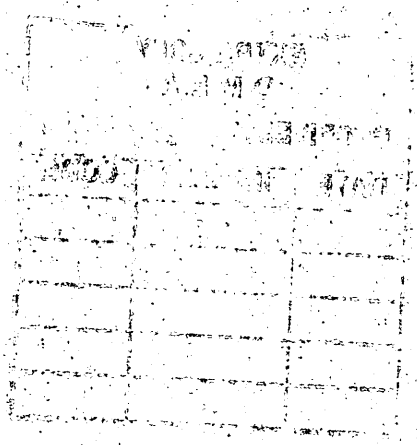
A total of ~~167~~ cubic yards of excavation was done and the work accepted.

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

The Operator's final voucher has been approved and forwarded to the Finance Office for payment.

Robert A. Laurence

RAL/as
cc
Opr. Com. 2
Finance Office
Lynch
Shirley
Files



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

March 25, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 27 1957

DATE	INITIALS	CODE
3/27	C	220
3/28	B	600

215

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Signed Contract, Idm-E1060, DMEA-4497-Mica
W. G. Gouge, Charleston, West Virginia

Transmitted are three signed copies of the subject contract.

This contract has to be returned to the Applicant as he had signed in the wrong place, thus the delay in returning it to the Washington office.

The usual distribution of the other copies has been made.

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

V. J. Lynch
V. J. LYNCH
MEMBER, BUREAU OF MINES

Operating Committee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1-0-25, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

3-8 C 220
3/8 WRA 600

March 6, 1957

Mr. W. G. Gouge
Route # 3- Box 37
Bakersville, N. C.

Re: DMEA-4497-Mica
Dinkey Line Prospect
Mitchell County, N.C.

Dear Mr. Gouge:

I am returning five copies of this contract to you, as they have been signed in the wrong place. Please sign all of them on the line at the upper left-hand corner which is marked "Operator" and has your name typed under it. Please return all these copies to me when you have signed them.

Will you want your checks and other correspondence relating to the contract mailed to your Bakersville address, rather than to the Charleston, West Virginia address which is on the contract?

As requested in your letter of February 28, I enclose 10 copies of form MF-103, sufficient for two applications. I assume that these applications will be for work on your own land, and therefore I have not included form MF-205, which is necessary if you hold the land by lease or option.

Very truly yours,

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
BOWMAN-KNOXVILLE-CLINTON
KNOXVILLE 2, TENNESSEE

4497

ACTION ON [illegible]

[illegible]

Date 3-27

Referred to:

1. ~~[illegible]~~
2. ~~[illegible]~~
3. ~~Mr. [illegible]~~
4. ~~[illegible] Water and Fish Division~~
5. ~~[illegible] Division~~
6. ~~[illegible] and Game~~
7. 600

Date receipt in report regarding:

1. Termination recommended
2.
3.
4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Lease has already terminated by letter to operator 3/25

Robert E. Adams

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 27 1957

DATE	INITIALS	CODE
3/27	C	220
28	cm	100
3/24	[illegible]	600

INTERIM REPORT

DMEA-4197, 1[illegible]-1060 (Miss) DAVEY [illegible]

Operator: W. O. Gouge, Route #4, Box 158

Location: 0.75 airline miles S59°W of Bandana, Mitchell Co., N. C.

The starting date on this contract is March 1, 1957. Stage I of the contract, consisting of trench excavation has been completed. The Field Engineers recommend that the contract be terminated with the completion of Stage I and that work as outlined in the contract under Stage II not be attempted.

Work completed under Stage I consisted of the excavation of a trench along the strike of the pegmatite 120 feet long, 15 feet wide, and 10 feet deep, and acquired the removal of 611 cubic yards of material. The work required 2-1/2 days of bulldozer time, which properly exposed the pegmatite for a strike distance of 65 feet. Maximum thickness of the body was 15 feet near the center narrowing to 6 feet on both ends. The body is conformable with the weathered hornblende gneiss country rock, striking N40°E and dipping 48°SE. The composition of the body is primarily feldspathic with a few scattered lenses of quartz and muscovite on the footwall. Mica recovered during excavation did not exceed 5 pounds and was scattered in the trench. Most of the mica was small, contained some stain along the edges of the books and was bent; about 10 percent of the mica observed was free of defects. Because of the feldspathic nature of the pegmatite and the absence of both quartz and mica in the exposed body, the Field Engineers recommend that no additional exploration be conducted under this contract.

Mr. V. J. Lynch, Bureau of Mines member of the Field Team, Region V, 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 5, 1957

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1-7	Anderson	600
		600
1/8	Selfridge	130
"	Johnson	110
"	Rothenberg	100
2/12	C	220

600

600

2-8. Chamber.

FEB 8 1957

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

Re: Docket No. DMEA-4497-Mica
W. G. Gouge
"The Dinkey Line Mica Prospect"
Mitchell County, North Carolina

Dear Mr. Laurence:

Enclosed are the original and five copies of a proposed short-form contract signed by the Administrator for the Government. It consists of the form, Annex I (1 page), Exhibit A (2 pages), and two maps. Also enclosed are two extra copies of Annex I, Exhibit A, and the maps for Field Team use.

If the proposed contract meets with your approval, present it to the Applicant for execution. Please explain to the Applicant that the contract is a firm commitment to complete the work outlined at the agreed cost. Copies of the executed contract are to be distributed in the usual manner.

If any part of this proposed contract does not have either your approval or that of the Applicant and cannot be amended within your delegated authority, then the original and all copies of the contract and the two extra copies of Annex I, Exhibit A and the maps are to be returned to this office, together with the proposed changes for consideration.

Copies of memoranda dated December 28, 1956, and January 2, 1957, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures 12

WCAnderson:gad 2/7/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.S.

8623

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

JAN 7 1957

Mr. W. G. Gouge
Route 4, Box 158
Charleston, West Virginia

Re: Docket No. DMEA-4497-Mica
W. G. Gouge
"The Dinkey Line Mica Prospect"
Mitchell County, North Carolina

Dear Mr. Gouge:

Reference is made to your application for Government assistance to explore the subject mica prospect.

You have been requested by the field examiners to furnish a property survey and a tie-in of the prospect to the property lines but to date we have not received this information.

Prompt compliance with the above request will enable us to continue with the processing of your application.

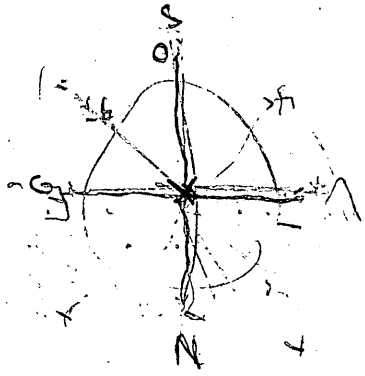
Sincerely yours,

Lawrence G. Houk

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 28 1957

DATE	INITIALS	CODE
1-28	C	225
1-29	WCa	600



DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1-4-57	Anderson	600
1-7	Houk	600
1/7	Butterfield	100
1-7	C.C.	225
		600

600

JAN 7 1957

Mr. W. G. Gouge
Route 4, Box 158
Charleston, West Virginia

Re: Docket No. DMEA-4497-Mica
W. G. Gouge
"The Dinkey Line Mica Prospect"
Mitchell County, North Carolina

Dear Mr. Gouge:

Reference is made to your application for Government assistance to explore the subject mica prospect.

You have been requested by the field examiners to furnish a property survey and a tie-in of the prospect to the property lines but to date we have not received this information.

Prompt compliance with the above request will enable us to continue with the processing of your application.

Sincerely yours,

SIGNED
Lawrence G. Houk, Chief
Nonmetallic Minerals Division

WCAnderson:gad 1/4/57
Copy to: Admr. R. File
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

A

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 3 1957

DATE	INITIALS	CODE
		600

January 2, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA- 4497 (mica)

Applicant: W. G. Gouge

Name and Location of Property: Dinky Line Prospect
Mitchell Co., North Carolina

Date of Field Team Report: December 19, 1956

Date Rec'd by Br. of Ceramic & Fertilizer Materials: Dec. 27, 1956

Field Team Recommendation: Approval of exploration assistance as outlined by Field Examiners.

Comments:

1. Pegmatite at least 10 feet thick is exposed for 65 feet.

2. Field Examiners report presence of some good quality mica.

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

Recommendation:

I concur with the recommendation of the Field Team for a two-stage exploration program.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

A

December 28, 1956
Re: DMEA 4497
W. G. Gouge
Dinky Line Prospect
Mitchell County, North Carolina
Applicant's Estimate $6,317.50
Recommended Estimate $5,367.00 - 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 sinking a shaft and drifting in a pegmatite exposed for 65 feet, in which an 8-foot shaft had been sunk. The pegmatite is at least 10 feet thick with only the hanging wall exposed.

Very little mica was seen, but the environment is considered favorable by the examiners and staged work is recommended. In order to better expose the pegmatite, Stage I consists of bulldozing. If further work appears to be warranted, 50 feet of shaft sinking and 80 feet of drifting, as Stage II, would follow.

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

N. E. Nelson

N. E. Nelson

RECEIVED
DEC 31 1956
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

December 19, 1956

RECEIVED DEC 21 1956 D.M.E.A.

A

Memorandum

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

From: Field Team, Region V, Knoxville, Tennessee

Subject: Examination Report - DMEA-4497 (Mica) Dinky Line Prospect
Mitchell County, North Carolina
W. G. Gouge, Route 4, Charleston, West Virginia

Enclosed are four copies of subject examination report and nine extra copies of the map. Approval of exploration assistance as outlined in the report is recommended.

The field examiners requested the applicant to furnish a property survey, and a tie-in of the prospect to the property lines but to date we have not received it.

V. J. Lynch
V. J. Lynch
Acting Executive Officer

Helmuth Wedow, Jr.
Helmuth Wedow, Jr., Geologist
U. S. Geological Survey

Enclosures 13

Reviewed by
DMEA OPERATING COMMITTEE
12-26-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
DEC 21 1956
D.M.E.A.

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

ON

DMEA-4497, (mica) DINKY LINE PROSPECT
Mitchell County, North Carolina

By

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

and

L. E. Shirley, Mining Engineer
Bureau of Mines

December 14, 1956

Reviewed by
DMEA OPERATING COMMITTEE
12-26-56
(date)

On-site Exam Rpt

FIELD EXAMINATION REPORT

ON

DMEA-4497 (mica) DINKY LINE PROSPECT

Applicant: W. G. Gouge, R#4, Box 158, Charleston, West Virginia

Summary

Pegmatite at least 10 feet thick is exposed for at least 65 feet along a hanging wall contact. A fair mineralogic and textural environment, plus the presence of some good quality muscovite, recommends this prospect for DMEA assistance.

The structure is possibly closely related to the so-called "parent alaskite" bodies and its potential not fully exposed. On this basis, it is recommended that the project be conducted in two stages, with preliminary bulldozing to further expose the character of the pegmatite.

Introduction

Location

The site is located on the northwest slope of Burns Mountain at an elevation of approximately 2975 feet. It is 0.75 airline miles S 59° E of Bandana, Mitchell County, North Carolina. (Micaville, N.C. Quad. TVA Ed.1934 1:24,000).

Examination

The examination took place November 13, 1956 over a period of 1 1/2 hours. The examiners were accompanied by Mr. D. J. Gouge, a brother of the applicant. The applicant appears to have had wide mining experience and has presented a much more complete application than is usual from the mica districts.

The prospect was reportedly first worked about 1908 to 1909 by a Mr. Willis and last worked in 1942 by Mr. D. J. Gouge. We have no records of past production from this prospect. Workings consist of a series of excavations gouged from the hillside and extending northeast about 85 feet. The pits are a

maximum of 10 feet deep on the uphill side, averaging about 6 feet in depth. The exposure is located at a break in the slope and near the base of the mountain in well wooded and deeply weathered terrain. Access can presently be gained to within about 500 feet downslope from the prospect. No equipment, buildings or other improvements are presently at the site.

Geology

A series of northeast-trending pits has exposed a large pegmatite body for at least 65 feet along its hanging wall contact. The pegmatite is at least 10 feet thick with no footwall exposed in the pits. The structure appears to be concordant in a soft weathered interlayered muscovite-biotite gneiss and fine-grained hornblende gneiss which trends N 32 to 35° E 38 to 65° SE. The pegmatite steps to the southeast en echelon along septa of counrty rock interfingered with pegmatite (see map). The structure may be a contact zone or an apophysis of a large intrusive mass of so-called "alaskite" which is generally conceded to be the parent magma for which the Spruce Pine pegmatites have been derived. Alaskite as such, is a misnomer, with compositions generally approximating quartz monzonite or even syenite. Texture is medium to coarse grained and the composition is a mixture of perthite and kaolinized plagioclase with minor disseminated quartz and muscovite. A few small lenses or masses of quartz occur adjacent to the contact. These areas are reportedly the areas of mica occurrences.

A number of scraps of muscovite were found on the dump, but very little was seen in place. The mica is a greenish-brown color and is flat and essentially free from mineral stain or intergrowth. Some cracking and ruling was evident.

Recommendations

It is recommended that this application be approved for exploration assistance. The small amount of work done in the past does not afford the Field Examiners a fair or impartial appraisal of the productive possibilities for strategic mica at this location. It is recommended that a staged exploration program to attempted as follows: Stage I to excavate a trench by bulldozer along the projected strike to properly expose the contacts of the pegmatite, followed by Stage II which should consist of sinking a 50-foot inclined shaft followed by 80 feet of drift and/or crosscut from near the shaft bottom. A toolhouse, powder magazine and exploder magazine will be needed, and should be included under Stage II. No access road is deemed necessary.

Estimated Costs:

Stage I : Trench excavation by bulldozer -
100' x 15' x 10' = 555 cu yds @ .30¢/cu. yd — $ 167.00

Stage II

Toolhouse	$75.00	
Powder Magazine	25.00	
Exploder Magazine	15.00	115.00

Sink 50 feet of shaft, vertical and/or inclined, 5' x 7' in cross-section, timbered where necessary, and install separated manway (33 shifts) 31 shifts

Labor

1 - Foreman-Miner @ $1.75/hr.	462.00	434.00
1 - Hoistman @ $1.50/hr	396.00	372.00
1 - Laborer @ $1.00/hr.	264.00	248.00
	1122.00	1054.00

Estimated costs - cont'd

Equipment (rental) $250/mo.

Air Compressor @ $150/Mo.	$248.50	
Hoist, gas powered @ $50/Mo.	82.50	$388.00
Sump Pump (air) @ $40/Mo.	66.00	
Rock drill w/air hose @ $40/Mo.	66.00	
	463.00	

Supplies:

Gasoline and oil	100.00	
Explosives	150.00	
Drill steel	90.00	
Timber - 2000 b.f. @ $65/M	130.00	
Small tools, pipe, etc.	100100	
Liability Ins, & Social Security	125.00	
Sales Tax	17.00	
	712.00	

($45.94/ft) Estimated cost of shaft sinking..... $2,297.00

$2,154.00

use $43.00/ft.

Drive 80 feet of drift and/or crosscut, 5' x 7' in cross-section and timbered where necessary (40 shifts)

use 37 shifts.

Labor:

1 - Foreman - Miner @ $1.75/hr.	560.00	518.00
1 - Hoistman @: $1.50/hr.	480.00	444.00
1 - Laborer @ $1.00/hr	320.00	296.00
	1360.00	1258.00

Equipment (rental)

Air Compressor @ $150/Mo. 250/mo	300.00	
Hoist @ $50/Mo. gas powered	100.00	
Air rock drill w/air hose @ $40/Mo.	80.00	$463.00
Sump Pump, air - @ $45/Mo.	90.00	
Jackleg @ $25/Mo.	50.00	
	620.00	

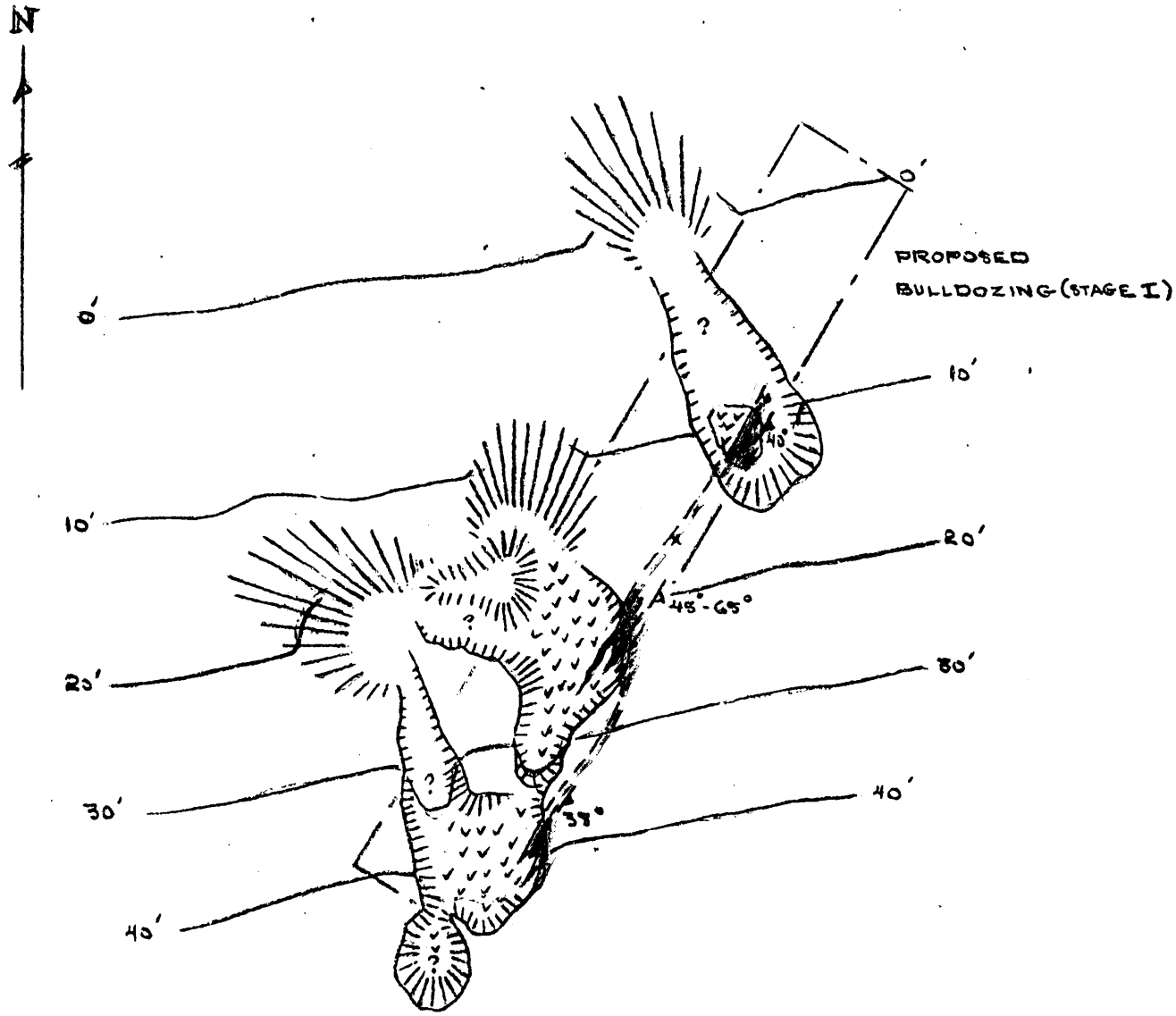
Supplies:

Gasoline and oil	140.00	
Explosives	220.00	
Drill steel	120.00	
Timber, 1000 b.f. @ $65/M	65.00	
Small tools, pipe, etc.	92.00	
Sales Tax	19.00	
Liability Ins. and Social Security	152.00	$2,529.00
	808.00	

($34.85/ft) (Estimated Cost of drifting and/or crosscut $2,788.00 use $32/ft.

Estimated Total cost of project..... $5,367.00

A. R. Taylor, Geologist S. C. Bergman, Geologist
L. E. Shirley, Mining Engineer



DINKY LINE PROSPECT

MITCHELL COUNTY, NORTH CAROLINA

DMEA - 4497 (MICA)

LEGEND

- PEGMATITE
- MUSCOVITE-BIOTITE GNEISS
- EXCAVATION
- DUMP

SCALE: 1" = 20'

SCB 11/56

RECEIVED
DEC 21 1956
D.M.E.A.

Docket Copy
Surname:
Anderson
Houk
Selfridge
Mitchell

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

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

OCT 26 1956

Re: Docket No. DMEA-4497-Mica
W. G. Gouge
"The Dinkey Lime Mica Prospect"
Mitchell County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda dated October 18 and 19, 1956, by Mr. N. E. Nelson, USGS, and Mr. Donald R. Irving, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

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

Thor H. Kiilsgaard (THK)
Member, Geological Survey

Enclosures 4

WCAnderson:gad 10/25/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

RCA.

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

OCT 2 6 1956

WCAnderson:gad 10/25/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Hillegaard, 5222
Mr. Dieterich, 3001
Mr. Hook

Docket Copy
Surname:
Anderson
Houk
Lamb
Kiilsgaard
Elfredge

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

OCT 26 1956

Mr. W. G. Gouge
Route 4, Box 158
Charleston, West Virginia

Re: Docket No. DMEA-4497-Mica
W. G. Gouge
"The Dinkey Line Mica Prospect"
Mitchell County, North Carolina

Dear Mr. Gouge:

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. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

We are returning five copies of the Consent to Lien and Subordination Agreement enclosed with your application because they are not necessary since you are the owner. We are retaining the sixth copy because of information concerning the land description.

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

Enclosures 5

WCAnderson:gad 10/25/56

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

R.C.L.

WCAnderson:gad 10/25/50
Copy to: Adm. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Hillegard, 5222
Mr. Dietrich, 3051
Mr. Hook

A

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

RECEIVED
OCT 22 1956

October 19, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4497 (mica)

Applicant: W. G. Gouge

Name and Location of Property: Dinkey Line Mica Prospect, Mitchell County, N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/18/56

Comments:

1. Applicant states that mica-bearing pegmatite is exposed in open cuts.

2. Property apparently has a history of past production.

3. No data available in this office on this property.

4. The 4-months exploration period seems to be excessive when compared to similar regional operations; however, overall costs are in line with unit-cost estimates for other DMEA projects.

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.

Donald R Irving
Donald R. Irving

[illegible]

[illegible]

[illegible]

IN REPLY REFER TO:

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

RECEIVED
OCT 19 1956

October 18, 1956

Re: DMEA 4497
W. G. Gouge
Dinkey Line Prospect
Mitchell Co., N. C.
$6,317.50 - 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 exploring a 6-foot pegmatite by enlarging an 8-foot shaft, sinking 50 feet, drifting 50 feet, and, possibly, bulldozing 32 hours.

The prospect is credited with mica production in the nineties and about 1942.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

October 17, 1956

Mr. W. G. Gouge
Rt. #4 - Box 158
Charleston, W. V.

Subject: DMEA-4497
Re: Exploration Assistance
Binkey Line Mica Prospect

Dear Mr. Gouge

Your application for exploration assistance, dated September 29, 1956 submitted to our office at Knoxville, has been assigned Docket Number DMEA-4497 and referred to the Nonmetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region V. Knoxville, Tennessee

✓ Code 600

3571

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

RECEIVED
OCT 10 1956

October 8, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: Application from W. G. Gouge
Dinkey Line Prospect, Mitchell County, North Carolina (mica)

Enclosed are three copies of the subject application, received at this office. Also enclosed are six signed copies of Form MF-205, submitted with the application, although the Applicant is also the owner.

The fourth copy of the application is being kept for our use.

Robert A. Laurence
Robert A. Laurence

Enclosures 9

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

RECEIVED
OCT 10 1956

October 8, 1956

Memorandum

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Robert A. Laurence

RAL/mg
Enclosures 9

ccOperating Committee (3)
Lynch
Shirley
file