DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

B. M. Holland

Franklin, North Carolina

pertaining to Exploration Project Contract No. DMA-2931, Docket No. DMEA-4023, for the months of March 1956, to May 1956, inclusive, covering a project for the exploration of strategic mica on property, known as the Holland Prospects Nos. 1 and 2, located in Jackson County, North Carolina.

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

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

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

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

Total cost as billed by Contractor		$5,830.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$5,830.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Four thousand three hundred seventy-two and 49/100 Dollars

"$4,372.49"

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

E. D. Talbert

E. D. Talbert, Auditor

July 2, 1956

Division Copy

RECEIVED
MAR 22 1956

MF-200A
(Revised June 1954)

Docket No. DMEA 4023

Commodity Mica

Contract No. Idm-E 931

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

It is agreed this MAR 13 1956 day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] J. N. Holland,

whose mailing address is General Delivery
Franklin, North Carolina,

hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and 3 maps

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

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

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] Owner of [5] the entire interest in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] Deed, [7] recorded in Book 200, page 16, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: None

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: None

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

16—70618-1

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

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of Strategic Mica. The work to be performed is described in Exhibit "A." The Operator on or before MAY 1 1956 shall commence the work, and on or before August 31, 1956 (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

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

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

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $6,576.00. The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $4,932.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

B. M. Holland

B. M. HOLLAND

By .....

THE UNITED STATES OF AMERICA

By C. O. Mitchell

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.

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70618-1

RECEIVED
MAR 2 2 1953

EXPLORATION PROJECT CONTRACT
B. H. BELLARD
DOCKET NO. [illegible]

ANNEX I

The land referred to in Article 2 of the Contract is in Jackson County, North Carolina, and is bounded and more particularly described as follows:

Beginning on a hickory in the Forest Service Line and runs due north 990 feet to a white oak; thence N 30° W 495 feet to U. S. Forest Service Corner; thence N 67° E 1,877.5 feet in the Forest Service Line to top of Ridge; thence S 15° E 990 feet to a chestnut; thence S 30° W 495 feet to a chestnut; thence S 80° E 748.5 feet to a chestnut; thence due west 990 feet to a point; thence N 70° W 330 feet to a point; and thence in a straight line to the point of beginning, containing 100 acres more or less.

Prospect No. 1 and Prospect No. 2 are .86 miles and .89 miles respectively NW of U. S. Highway 23, about 11 miles by road NE of Franklin, Macon County, North Carolina.

RECEIVED
MAR 22 1956

EXPLORATION PROJECT CONTRACT
B. M. ROLLAND
DOCKET NO. [illegible]-4023

Exhibit "A"

Description of the Work

The work is to be performed on two separate prospects known as Rolland No. 1 and Rolland No. 2, and is shown in part on the maps entitled, "Rolland No. 1 Prospect [illegible]-4024 (Mica)" "Rolland No. 2 Prosp. [illegible]-4023 (Mica)" and "Plat of B. M. Rolland Property Jackson County, N. C." attached hereto and made a part hereof. Work shall begin at the Rolland No. 2 Prospect, to be followed by work at the No. 1.

Rolland No. 2 Prospect:

1. With a model D-6 or equivalent size bulldozer prepare a shaft site.

2. Construct:

(a) A toolhouse, minimum dimensions 7 feet by 8 feet by 10 feet.
(b) A powder storage magazine, minimum dimensions 4 feet by 5 feet by 2½ feet.
(c) An explosive storage magazine, minimum dimensions 2 feet by 1½ feet by 1 foot.

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

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

3. Sink a 5 feet by 7 feet, two-compartment shaft 30 feet as nearly as practicable on the pegmatite.

4. From the shaft drive 20 feet of drift and/or crosscut.

The shaft and drift and/or crosscut shall have minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

Holland No. 1 Prospect

5. With a model D-6 or equivalent size bulldozer excavate floor of existing cut to deepen and improve entry. This work will involve making a cut 75 feet by 20 feet by 10 feet to remove approximately 550 cubic yards of rock.

6. Drive 75 feet of adit-drift and/or crosscut having minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

All work shall be timbered as necessary.

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

Fixed Unit Costs

Holland No. 2 Prospect

1.	Preparation of shaft site Bulldozing 250 cubic yards @ $0.40/cu. yd.	$ 100.00
2.	Construct Toolhouse	75.00
	Powder Magazine	85.00
	Explosive Magazine	16.00
3.	Sink 50 feet of shaft @ $37.30/ft.	1,865.00
4.	Drive 80 feet of drift and/or crosscut @ $30.00/ft.	2,400.00

Holland No. 1 Prospect

5.	Excavate trench approximately 75 feet by 20 feet by 10 feet 550 cubic yards @ $0.40/cu. yd.	220.00
6.	Drive 75 feet of adit-drift and/or crosscut @ $25.00/ft.	1,875.00

Estimated Total Cost of Project	$6,376.00
Government Participation @ 75%	$4,782.00

Project Summary Report

March 5, 1957

By: Walter C. Andersen

1. Docket No. DMEA-4023-mica
Contract No. Idm-E931
Holland No. 1 and No. 2 Prospects
Jackson County, North Carolina

Application: Form MF-103 (April, 1952) received October 19, 1955.

Work proposed by applicant:

Ten hours of bulldozing and 60 feet of "tunnel".
Amount requested - $2,200.

Operator: B. M. Holland
General Delivery
Franklin, North Carolina

Operator's Property Rights:
Owner

2. Contract: Form MF-200 A (June, 1954) dated March 13, 1956.

Work Authorized:

Bulldozing	$ 320.00
Buildings	116.00
50 feet of shaft	1,865.00
155 feet of drifts, adits and/or crosscuts	4,275.00
Estimated total cost of project	$6,576.00
Government participation @ 75%	$4,932.00

Amendments:

None

3-10-57
Letter to Applicant

Work Completed:

Bulldozing	$ 320.00
New Buildings	116.00
30 feet of shaft	1,119.00
155 feet of drifts, adits, and/or crosscuts	4,275.00
Total accepted cost	$5,830.00
Government participation @ 75 %	$4,372.49

Work began March 19, 1956 and was completed May 22, 1956
Field Team Final Report received July 2, 1956.
Operator's Final Report dated June 19, 1956 and received June 25, 1956
Royalty received $7.40 which accounts for all the mica produced during operation and up to December 19, 1956.
No equipment purchased under contract.

3. Audit:
Report of Review issued July 2, 1956:

Total accepted cost	$5,830.00
Government participation @ 75%	$4,372.49

4. Certification of Discovery - none issued.
No discovery of significant reserves

5. Comments:

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

Operation:
Good

Engineering:
Operator's final report was acceptable, but the narrative portions of the monthly reports were not informative.

Geological Premise:
The premise that abundant occurrences of mica in two parallel pegmatites, as indicated on the surface, would continue with depth and extent did not materialize, as only $146 worth of mica was found.

Geological criteria upon which work was based:

1. Pegmatite - 2 parallel pegmatites
   (No. 1) - 10 feet thick, conformable to highly weathered gneissic country rock. Contains highly kaolinized potash feldspar, discontinuous quartz stringers and muscovite.
   (No. 2) - 5 to 10 feet thick, 1 to 2 feet quartz core, and exhibiting abundant mica.

2. Mica
   (No. 1) - Nominal amount, hard, light ruby in color, 3 to 4 inch books, some slightly stained.
   (No. 2) - Abundant occurrence, ruby, flat "A" fairly good size, some slightly bent and stained, and some badly ruled.

Criteria developed during project:

1. Pegmatite:
   (Holland No. 1)
   5 to 20 feet thick, containing weathered soda-feldspar, discontinuous quartz stringers and inclusions of biotite gneiss and schist. Both conformable and disconformable with country rock.
   (Holland No. 2)
   zoned, 3.5 to 4 feet thick, containing a 6 inch to 2.5 feet quartz core, flanked by mica and feldspar.

2. Mica:
   (Holland No. 1)
   ruby, 8 to 10 inches wide, of poor quality, cracked, bent, and stained.
   (Holland No. 2)
   bent, ruled, cracked and heavily stained

Future possibilities:

Since enough exploration work was done to prove that the mica is of non-strategic, poor grade, the prospect of strategic mica production is remote.

Recommendations:

The Field Team recommended not to certify. The Nonmetallic Minerals Division and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson

WCAnderson:ms 3/5/57
Copy to: Docket
Admr. R. File
Mr. Anderson

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

EXTRA COPY
D M E A
RECEIVED FEB 27 1957

DATE	INITIALS	CODE
2/27	WCA	600

February 25, 1957

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4023, Idm-4931 (mica) B. M. Holland
Holland Prospect Nos.1 & 2, Jackson County, N.C.

Reference is made to your letter of February 20, 1957.

The $146.00 worth of mica on which royalty has been paid represents the entire production during the life of the contract and up to December 19, 1956. As far as we can determine, no unpaid royalties are due the Government.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

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

Rah/sm
Lynch
Shirley
Files

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

ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

February 25, 1957

EXTRA COPY
DMEA
RECEIVED FEB 27 1957

DATE	INITIALS	CODE

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4023, Idm-4931 (mica) B. M. Holland
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Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

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

RAL/zm
Lynch
Shirley
Files

600

FEB 20 1957

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

Re: Docket No. DMEA-4023-Mica
B. M. Holland
Holland No. 1 and Holland No. 2
Prospects
Jackson County, North Carolina
Contract No. Idm-2931

Dear Mr. Laurence:

Reference is made to the subject contract which was completed on May 22, 1956, and which the Field Team recommended not be certified.

Before we write a closing letter we would appreciate having a report on the status of this project including value of production and sales of mica up to December 19, 1956, the final date for certification, and whether there are any unpaid royalties due the Government. In their final report the Field Team estimated the value of production during the project to be $200.00. The Operator has sold $146.00 worth of mica for which a royalty of $7.30 has been paid.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

WCAnderson:gad 2/19/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

IN REPLY REFER TO:

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

RECEIVED
SEP 27 1956

September 27, 1956

Re: DMEA 4023 - Idm 3-931
E. M. Holland
Holland prospect
Jackson County, North Carolina
Approved $6,576
Expended $5,830
Mica

Memorandum

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

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

Subject: Review of Field Team final report.

The contract approved the expenditure of $6,576 on two quartz core pegmatites, the work to consist of bulldozing, sinking and drifting.

No. 1 pegmatite was explored by 107 feet of adit and crosscuts. At the 68-feet point, a mica-rich zone was cut and 600 pounds of mine-run-block ruby mica was recovered. The quality is low.

No. 2 pegmatite was explored by a 30-foot shaft, a 13 foot crosscut and 67 feet of drifting at the 26-feet level of the shaft. About 400 pounds of inferior mica was recovered.

Total sales of scrap mica from the two prospects amounted to $27.74 and the total value of all kinds recovered is estimated to be $200.

No significant reserves were discovered. The examiners and the Field Team recommend that no certificate of discovery be issued.

I concur with the recommendation.

N. E. Nelson

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

Nelson:baf
G: 9/27/56

RECEIVED
AUG - 8 1956

August 6, 1956

Memorandum

To: Helen Miller, Administrative Assistant - Region V

From: Executive Officer, DMA- Region V - Knoxville

Subject: Royalty Payments -

Transmitted are bills-of-sale on the following:

Idm-E931, DMA-4023, B. M. Holland. total sales $110.34, royalty check, M. O. $5.52

Idm-B659, DMA-3229, Lutz Mine, total sales $966.90, Royalty check $48.35.

Robert A. Lawrence

RAL

cc
Lynch
Mittendorf
Files-?

GENERAL SER[illegible]ES ADMINISTRATION

WARRANTY, ACCEPTANCE AND INVOICE

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

[illegible]TE PURCHASED: 7-11-56

ACCEPTANCE NO.: [illegible]

CERTIFICATE AUTHORIZATION NO.: [illegible]-6-56A

LOT NO.: SP [illegible]

VOUCHER NO.:

RUBY [X] NON-RUBY [ ]

TOTAL LBS. PURCHASED: 14.11

VALUE - INITIAL PAYMENT: 88.00

PRELIMINARY PAYMENT

RECEIVED AUG 8 1956

This lot of mica, weight above indicated, is accepted for the Government subject to all pertinent regulations and laws governing the domestic mica procurement program.

GENERAL SERVICES ADMINISTRATION

BY Raleigh Young

SIGNATURE

BUYER

FOR USE BY GSA ONLY

The undersigned warrants that this lot of mica, weight above indicated, meets the requirements of all applicable regulations and laws governing the mica program. Further, the undersigned hereby sells this lot of mica to the Government subject to all laws and regulations governing the purchase of mica by the Government and agrees to accept the processing results as valid and correct and to refund unconditionally any overpayment with the understanding that any underpayment will be made by the Government upon completion of the processing of this mica. This invoice is correct and just and payment therefor has not been received.

NAME AND LOCATION OF MINE: Holland No. 1

FCME-931
DMEA-4023

SELLER: Paulon Holland

DATE: 7-11-56

ADDRESS: Route 6, Franklin, N. C.

BY

TITLE: Owner

Form R4-T35, May 1956

Mica Sold from Holland Mine - Idm-E931.

Sold to : H. C. Meadows,
May 30, 1956, 300 lbs punch $20.00

To: Franklin Mineral Products Co.

5-16-56					4.50
5-8-56	"	"	"	"	11.62
5 - 15-57		"	"	"	11.62
					$47.47

Scrap, punch

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

July 18, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4023 (mica)

Applicant: B. H. Holland

Name and Location of Property: Holland Prospects Nos. 1 & 2,
Jackson County, N. C.

Contract Number: Mm-2 931

Date of Field Team Report: 6/28/56

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

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

Comments:

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

2. Mica was recovered during DMEA exploration.

3. Expenditures -

Total approved	$6,576.00
Total cost	5,830.00
Gov't. share of the cost	4,372.49
Value of production during operation	200.00 (est.)

Recommendation:

I concur with the recommendation of the field team for no certification of discovery.

Signed

W. F. Dietrich

RECEIVED
JUL 2 - 1956

June 28, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Team Final Report - Idm-E931, DMEA-4023 (mica)
Holland Prospects Nos. 1 and 2. North Carolina

Transmitted is the original and three copies of the subject report.

The Field Team concurs with the Field Examiners in their recommendation that no certification be issued because of the lack ~~[illegible]~~ of reserves and the poor quality of the mica recovered.

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

V. J. Lynch, Member
Bureau of Mines

XM.

cc:

Lynch
Shirley
Files

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

RECEIVED
JUL 2 - 1956

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

FIELD TEAM-DMEA- REGION V

On

DMEA-4023, Idm-E931, HOLLAND Nos. 1 and 2 PROSPECTS
(mica)
Jackson County, North Carolina

By

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

and

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

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

FINAL REPORT

RECEIVED
JUL 2 - 1956

On

DMEA-4023, Idm-E931, HOLLAND Nos. 1 and 2 PROSPECTS
Jackson County, N. C.
(mica)

Operator: B. M. Holland, General Delivery, Franklin, N. C.

Summary

Work under the contract in Holland Nos. 1 & 2 did not result in a discovery. About 2100 pounds of "mine-run-block" muscovite and scrap were recovered (of that amount 1800 lbs was scrap, 300 lbs. punch, 8 lbs. was half-trim, and 4 1/4 lbs was full trim.). No further exploration is warranted. It is recommended that no certificate of discovery be issued.

Introduction

Location:

T he Holland Prospects, Nos. 1 & 2, are 0.9 miles northwest of U. S. Highway No.23 on the northern side of Betty Branch, Greens Creek Quadrangle, Jackson County, N. C. (TVA.Quad., 1/24,000, 1941).

Prospect No. 1 is 1.25 airline miles N 88° W of the New Savannah Church on Highway 23 and No.2 is 1.25 airline miles N 82° W of the same church.

Conduct of Project and facilities

Work under the contract began March 19, 1956, at the No. 2 mine-March 22, 1956 at No. 1 mine. Work was completed May 22, 1956.

The Operator conducted both projects satisfactorily. He used an old automobile engine for hoisting at No. 2.

Facilities constructed were a toolhouse, powder magazine and an exploder magazine.

No equipment was purchased under the contract.

Present Workings

Work completed under the contract consisted of bulldozing to lower an existing cut 75 ft x 20 ft x 10 ft (550 cu. yds) for a good portal location, and driving 75 ft of adit on the pegmatite. A total of 107 ft of adit and crosscuts was driven. The Operator did the additional work at his own expense in driving a 15-ft crosscut in the "bulge" of the pegmatite, a 10 ft drift from the 68 ft point southward to intersect the crosscut and extending the drift for 7 ft. (additional data gathered on May 21, 1956).

Mica Pegmatite

A 5-ft to 20-ft thick, mica-bearing, weathered soda-feldspar pegmatite, with discontinuous quartz stringers and inclusions of weathered biotite gneiss and schist, was followed for 82 feet. It is both conformable and disconformable with the country rock, strikes from N 20° W to N 65° W, and dips generally 85° NE to vertical. However, at the 82-foot point the hanging wall contact dips 65° NE.

Slickensides are in evidence throughout the drift, and are especially abundant near the 82-foot station.

About 600 pounds of "mine-run-block" ruby muscovite were recovered, and most of that came from a mica-rich zone that plunged northward about the 68 foot point. Although large (8 to 10 inches), the muscovite was generally of poor quality, being cracked, bent and stained. Approximately 200 pounds will sheet well.

The recovery factor for sheet will probably be very low. Perhaps 1% will sheet 2 in. x 2 in. sizes of flat and unstained muscovite.

Holland No.2 Prospect

Present Workings

About 250 cu. yds. of material was removed to prepare a shaft site, and a vertical, 2-compartment 5' x 7' timbered shaft was sunk to a depth of 30 feet. (The shaft is 25-ft southeast of the lower adit portal). Having cut through the pegmatite at the 15-ft level, a crosscut was driven for 13-ft S 65° W from the 26-ft level, intersecting the 4-ft thick, zoned pegmatite at 9-ft in the crosscut. The pegmatite changed dip radically from the northeast to a steep southwest dip in the shaft and crosscut (see map).

From the end of the crosscut a drift was driven following both walls of the pegmatite about 25-ft N 30° W, thence 42-ft N 18° W. It was stulled with 6-in. oak timber and lagged overhead and on the sides where necessary in the weathered material.

Mica-Pegmatite and Country Rock

The zoned, mica-pegmatite averaged about 3.5 to 4 feet in thickness, with a 6-in. to 2.5 ft quartz core flanked by mica and feldspar. The general strike and dip is N 20° W and 70° SW.

When the shaft was spotted, it was believed that the pegmatite would continue to dip northeastward as shown in the old adits and exposures, but the dip reversed to southwest. The turn off at the 26-ft level was made in order not to lose the pegmatite at a greater depth.

Slickensides are evident in the weathered gneiss and schist. At the 30-ft point in the drift, the slickensides strike N 20° E and are horizontal, while at the 55-ft point they strike N 30° W and dip 35° NW.

About 400 pounds of "mine-run-block" muscovite, mostly ruby, was reported by the Operator to have been recovered from the shaft and drift. Some green muscovite was recovered near the 50-ft point in the drift adjacent to the quartz.

Most of the muscovite was bent, ruled, cracked and heavily mineral-stained. A very low recovery factor is anticipated after sheeting. Numerous zones of scrap mica (small sizes) were encountered.

Production - Both Prospects

Sales of 1850 pounds of scrap mica reported by Mr. Holland brought $27.74 (sold to the Franklin Mineral Products Co.).

Out of a total "mine-run-block" recovery of 400 pounds, the Operator reports that as of May 21, 1956 he had trimmed about 8 pounds of half-trim ruby mica, all sizes, and 4 1/4 pounds of full trim ruby mica (1 lb. may bring $40, the other 3 1/4 lbs are 1-in. wide clear ruby, flat and bent). He states that most of that already trimmed came from Prospect No. 1.

The total value of production under the contract is estimated to be about $200 (note: it is unknown how much mica the Operator has left to trim).

Conclusions and Recommendations

No significant reserves have been discovered at either mine. The mines have been thoroughly explored and warrant no further exploration. It is recommended that the Holland Prospects Nos. 1 and 2, not be certified as a discovery.

Expenditures

(a)	Total approved	$6,576.00
(b)	Total spent	5,830.00
(c)	Government's share of cost	4,372.49
(d)	Government's share unexpended	559.51
(e)	Value of production (esti)	200.00
(f)	Royalty to date	none

A. R. Taylor, Geologist
Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

June 27, 1956

June 21, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Operator's Final Report - Idm-E931, DMEA-4023 (mica)
B. M. Holland No.2 Mine, Jackson County, N. C.

Transmitted are three copies of the subject report received from the Operator this morning.

T he Field Team's final report will be prepared in the next few days.

V. J. Lynch

VJL
cc:
Shirley
Lynch
Files
Opr. Com.

west and then turned north 36° west for 13.5 ft. which made a total of 81 ft. which completed the contract. This is my final engineering report. I would like to thank you for your co-operation.

Sincerely,
B. M. Halland

Franklin, N. C.
June 19, 1956

RECEIVED
JUN 25 1956

Department of the Interior
Defense Minerals
Exploration Administration
Room 13 Post Office Bldg.
Knoxville 2, Tenn.

Dear Sir,

I started work at the Holland mine no. 2 March 19th. I sunk a shaft 26 ft., turned off with a tunnel, then sunk four more feet in shaft for bucket. I then drove 13 ft. south 65° west, then turned 30° west and drove 67 feet and completed the contract at no. 2 mine. I got some mica at no. 2 mine. It was low grade mica and I didn't weigh the mica separate. I just let it go in with no. 1 mica. I think I got about 800 lbs from no. 2 mine. All of the mica that came out of the two mines was 1300 lbs of scrap and 300 lbs of punch. I have about 8 lbs. of half trim and about 4¼ lbs. of full trim.

I started work at no. 1 mine March 22nd. I drove a tunnel north 20° west 54.8 ft., 14 ft north 65°

C
O
P
Y

Franklin, North Carolina
June 19, 1956

Department of the Interior
Defense Minerals
Exploration Administration
Room 13, Post Office Bldg.
Knoxville, 2, Tenn.

Dear Sirs,

I started work at the Holland mine no. 2 March 19th. I sunk a shaft 26 ft., turned off with a tunnel, then sunk four more feet in shaft for bucket. I then drove 13 ft. south 65° west, then turned 30° west and drove 67 feet and completed the contract at No. 2 mine. I got some mica at No. 2 mine. It was low grade mica and I didn't weigh the mica separate. I just let it go in with No. 1 mica. I think I got about 800 lbs. from No. 2 mine. All of the mica that came out of the two mines was 1800 lbs of scrap and 300 lbs of punch. I have about 8 lbs. of half trim and about 4½ lbs. of full trim.

I started work at No. 1 mine March 22nd. I drove a tunnel north 20° west 54.5 ft., 14 feet north 65° west and then turned north 35° west for 13.5 ft. which made a total of 81 feet. which completed the contract. This is my final engineering report. I would like to thank you for your co-operation.

Sincerely,

/s/ B. M. Holland

RECEIVED
June 25, 1956

copied by ms 6/26/56

C
O
P
Y

Franklin, North Carolina
June 19, 1956

Department of the Interior
Defense Minerals
Exploration Administration
Room 13, Post Office Bldg.
Knoxville, 2, Tenn.

Dear Sirs,

I started work at the Holland mine no. 2 March 19th. I sunk a shaft 26 ft., turned off with a tunnel, then sunk four more feet in shaft for bucket. I then drove 13 ft. south 65° west, then turned 30° west and drove 67 feet and completed the contract at No. 2 mine. I get some mica at No. 2 mine. It was low grade mica and I didn't weigh the mica separate. I just let it go in with No. 1 mica. I think I got about 800 lbs. from No. 2 mine. All of the mica that came out of the two mines was 1800 lbs of scrap and 300 lbs of punch. I have about 8 lbs. of half trim and about 4½ lbs. of full trim.

I started work at No. 1 mine March 22nd. I drove a tunnel north 20° west 54.5 ft., 14 feet north 65° west and then turned north 35° west for 13.5 ft. which made a total of 81 feet. which completed the contract. This is my final engineering report. I would like to thank you for your co-operation.

Sincerely,

/s/ B. M. Holland

RECEIVED
June 25, 1956

copied by ms 6/26/56

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED
JUN 25 1956

Month of MAY, 1956 Docket No. DMEA 4023 Contract No. Idm-E 931
Operator's Name B. M. Holland Minerals Mica
Address Gen Del. Franklin, N. C.
Contract Amount, $6576.00 Government Participation: 75 % Amount, $ 4932.

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:						
Drift # 1		1875.	1875.			
Bulldozing		320.00	320.00			
Crosscutting						
Drifting # 3	600.00	1800.00	2400.00			
shaft # 2		1119.00	1119.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		75.00	75.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Powder Mag		25.00	25.00			
Exploder box		16.00	16.00			
(8) Contingencies (specify):						
		5230.00	5830.00			
TOTALS	600.00	~~1800.00~~	~~2400.00~~	600.00	5230.00	5830.00

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

Date June 1, 1956 *Payee B M Holland

Per _____ Title _____

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

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

(Instructions on reverse)

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

$ 450.00

Signature Helen R. Muller
(Authorized Certifying Officer)

Date JUN 22 1956 Vou. No. 347
(See other side)

150.00

(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-931 in accordance with the terms of the contract.

Signature Alfred R. Taylor Title Geologist Date June 11, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch Title ACTING EXECUTIVE OFFICER DMEA REGION V Date JUN 21 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
JUN 25 1956

Month of MAY 1956 Docket No. DMEA 4023 Contract No. Idm-E 931
Operator's Name B. M. Holland Minerals Mica
Address Gen. Del. Franklin, N. C.

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 #1	ft	0	0	1875.00	75	25.	75	25.
~~Surface~~ Drift #3	ft	600.00	20	2400.00	80	30.	80	30.
Raising				4275.				
Shafts # 2	ft	0	0	1119.	30	37.30	50	37.30
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching # 1 # 2	yds	0	0	320.	800 cuyds	.40	800	.40
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		600.00	20	5714.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				116.00				
				5830.00				
TOTAL COSTS		600.00	20	~~5830.00~~				

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 June 1, 1956 Operator B M Holland

Per Title Operator

REMARKS:

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

(Instructions on reverse)

(For Government use only)

Alfred R. Taylor, Geologist, USGS

INSTRUCTIONS

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

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

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

GPO 872894

OPERATOR's
MONTHLY PROGRESS REPORT
FOR MAY, 1956

Docket DMMA 4023
Mica
R. M. Holland
Gen. Delivery, Franklin, N. C.

RECEIVED
JUN 25 1956

May:

14. Worked in Drift on No. 2
15. Drilled, shot and mucked in No. 2 drift
16. Drilled, shot and mucked in No. 2 drift
17. Drilled, shot and mucked in No. 2 drift
18. Drilled, shot and mucked in No. 2 drift, 18 feet total this week. drift centered on vein full facing.

21. Field team visited mine.
22. Drilled, shot and mucked in No. 2 drift. completed 2 feet for the day, which totals 80 feet in the drift, as per contract.

RECEIVED
JUN 15 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

OPERATOR: B. M. Holland, Gen'l Delivery, Franklin, N. C.

LOCATION: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson Co., N. C.

Holland No. 2 - This contract has been completed without making a worthwhile discovery of strategic mica. No additional exploration appears warranted, and based on the results from work completed under both phases of the contract, the Examiners do not recommend certification.

Work completed under this phase consisted of sinking 30 feet of vertical, 2 compartment shaft, and driving 80 feet of combined crosscut and drift. All of the drift work was accomplished in pegmatite striking N20°W and dipping 70° SW. The body was composed of a quartz core with an average thickness of 2½ feet flanked by feldspar-mica zones averaging 1½ feet thick.

The body was very rich in scrap quality mica at intervals in the drift. Much of the mica was wedge "A", badly cracked and contained varying amounts of stain. No further exploration is warranted on this prospect.

The work, as a whole, was conducted satisfactorily. The Operator was requested at the end to widen the last few feet of drift after completion of drift work, and he complied, in order to conform to contract terms.

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

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

June 4, 1956

INTERIM REPORT

RECEIVED
MAY 31 1956

DMRM-4023, Idm-8931 (mica) HOLLAND PROS. Nos. 1 and 2

OPERATOR: B. M. Holland, General Delivery, Franklin, North Carolina

LOCATION: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson County, N. C.

Holland No. 2 - Drifting has been in progress on this contract and is nearing completion. Thirteen feet of crosscut, and 65.5 feet of drift has been completed to date. The Operator was advised to complete the remaining 1.5 feet of drift under contract and to widen the drift area from 3.5 feet to 5 feet from the 62.5 foot point in the drift to the present face, in order to comply with the terms of the contract. No change was noted in material encountered or mica recovery.

A final visit will be made to the mine in the near future.

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

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

May 21, 1956

RECEIVED
MAY 18 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

Operator: B. M. Holland, General Delivery, Franklin, N. C.

Location: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson County, N. C.

Holland No. 1 - All work as outlined under this section of the contract has been completed on this prospect. A tool house and magazines were built to serve both prospects No's 1 and 2. An existing open cut was deepened requiring the removal of approximately 550 cubic yards of material to improve an entry or portal site for adit work. A drift totaling 82 feet was driven, which followed the strike of the pegmatite. The last 7 feet of the drift was conducted at the operators own expense in an effort to produce additional strategic mica. Fifty-four and one-half feet was driven N20°W, 14 feet N65°W, and the remaining 13.5 feet was driven N30°W. Sporadic mica was produced throughout the drift. At 68 feet in the drift a rich zone of mica was encountered which appeared to plunge to the northwest. Practically all of the mica recovered was "wavey" or bent. Some of it contained stain but the majority was predominantly clear, hard mica. About 600 pounds of "mine-run" block was produced from contract work. Certification of the contract is not recommended. The operator does not indicate that any additional work will be attempted at his own expense.

Holland No. 2 - Drifting continues on this contract and now totals 60 feet; all crosscut and drift footage now totals 73 feet with 7 feet of drift remaining to be driven under contract. The operator was advised to continue the drift to the northwest in an effort to produce strategic mica.

The last 35 feet of drift has been driven in a N18°W direction and work has followed a body driking N20°W, and dipping 70°SW to near vertical. The pegmatite is composed of a quartz core about 2-1/2 feet thick, flanked by feldspar-mica zones 1-1/2 feet thick on the footwall side and 1 to 2 feet thick on the hanging wall side. The feldspar is kaolinized and weathering has been severe at the contact with country rock. About 400 pounds of "mine-run" block mica has been produced from all work completed to date on this prospect. Much of this mica is bent and contains various staining. Recent mica recovered has shown improvement in quality.

The operator was advised to continue necessary timbering. Progress on this contract is satisfactory.

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

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

May 7, 1956

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED MAY 10 1956

Month of April 1956 Docket No. DMEA 4023 Contract No. IDM-E 931

Operator's Name B. M. HOLLAND Minerals ruby mica

Address Gen. Del, Franklin, N. C.

Contract Amount, $ Government Participation: % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting #1 mine 69'	1725.00	150.00	1675.00			
#2 Mine Shaft 15'	559.50	559.50	1119.00			
#2 mine-drifting 60'	1800.00	0.00	1800.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	75.00	0.00	75.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Powder Mag	25.00	0.00	25.00			
Exploder Box	16.00	0.00	16.00			
(8) Contingencies (specify):						
TOTALS	4190.50	709.50	4910.00	4200.50	709.50	4910.00

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

Date 4/30/56 *Payee B M Holland

Per 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:

$ 3150.37

Signature Helen R. Miller (Authorized Certifying Officer)

Date MAY 8 1956 Vou. No. (See other side)

1050.13

(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-931 in accordance with the terms of the contract.

Signature Alfred R. Taylor Title Geologist Date May 1, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A Laurence Title EXECUTIVE OFFICER DMEA REGION V Date MAY 3 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R11

RECEIVED
MAY 10 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1956 Docket No. DMEA _____ Contract No. IDM-E 931

Operator's Name B. M. Holland Minerals ruby mica

Address Gen. Del., Franklin, N. C.

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 #1	ft.	1725.00	69'	1875.00	75'	1875.	75'	1875.
Drifting Crosscutting #2	ft.	1800.00	60'	1800.00	60'	1800.	60'	2400.
Raising								
Shafts #2	ft.	559.50	15	1119.00	30'	1119.	50'	1865.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching #1 & #2	yds.	0.00	0	320.00	800 cu. yds.	320.00	800 cu. yds.	320.00
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4084.50	144	4414.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4084.50		4414.00				~~6460.00~~

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 April 30, 1956 Operator B M Holland

Per _____ 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)

Alfred R. Taylor
Geologist, USGS

INSTRUCTIONS

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

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

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

GPO 872894

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 6, 195 Docket No. DMEA Contract IDM-E 931
Operator's Name B. M. Holland Minerals Ruby mica
Address Cons. Del., Franklin, N. C.

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 #1	ft.	1725.00	69'	1875.00	75'	1875.	75'	1875.
~~Drifting~~ #2	ft.	1800.00	60'	1800.00	60'	1800.	80'	2400.
Crosscutting								
Raising #2	ft.	559.50	15	1119.00	30'	1119.	50'	1865.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping #1 & #2	yds.	0.00	0	320.00	800 cu. yds.	320.00	800 cu. yds.	320.00
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4084.50	144	4414.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		~~4084.50~~		~~4414.00~~				6460.00

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 April 30, 1956 Operator B M Holland Jr

Per 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)

Alfred R. Taylor
Geologist, USGS

INSTRUCTIONS

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

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

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

GPO 872894

OPERATOR'S
MONTHLY REPORT FOR
THE MONTH OF
APRIL, 1956

B. N. HOL
Gen. Deli
Franklin,

Idm-E931
DMEA-4023

April:

2. Twomen worked at #2 mine and gained four feet in sh
Two men worked on tunnel at #1 mine and gained fou

3. Three men worked in No. 1 mine and gained three fee
Two men worked on shaft at #2 mine and gained four

4. Two men worked at #2 mine. They timbered shaft.
Two men worked at #1 mine and gained four feet.

5. Gained four feet in the shaft in #2 mine.
Gained 3 feet in #1 mine in tunnel.

6. Gained four feet in tunnel at #1 mine.
Gained 2 feet in shaft at #2 mine and built tool ho

9. Gained four feet on tunnel at #1 mine, hung door, a
ed the mouth of the tunnel.
Gained two feet in shaft at #2 mine.

10. Cross cut to the vein from the shaft at #2 mine.
Gained four feet in tunnel at #1 mine.

12. Gained four feet in the tunnel at #1 mine.
Gained four feet in shaft at #2 mine.

13. Gained four feet in tunnel at #1 mine.
Gained five feet in tunnel at #2 mine.

16. Gained five feet in tunnel at #2 mine.
Gained four feet in tunnel at #1 mine.

17. Gained four feet in tunnel at #1 mine.
Gained six feet in tunnel at #2 mine.

18. Gained 5 feet in tunnel at # 1 mine.
Gained 8 feet in tunnel at #2 mine.

19. Gained five feet in tunnel at #2 mine.
Gained four feet in tunnel at #1 mine.

20. Gained five feet in tunnel at # 2 mine.
Gained three feet in tunnel at #1 mine.

23. Gained four feet in tunnel at #1 mine.
Gained six feet in tunnel at #2 mine.

24. Gained 2½ feet in tunnel at #1 mine.
Gained six feet in tunnel at #2 mine.

25. Gained 3½ feet in tunnel at #1 mine.
Gained 5 feet in tunnel at #2 mine.

26. Gained 3 feet in tunnel at #1 mine.
Gained 5 feet in tunnel at #2 mine.

27. Gained three feet in tunnel at #1 mine.
Gained six feet in tunnel at #2 mine.

30. Gained three feet in tunnel at #1 mine.
Gained two feet in tunnel at #2 mine.

B. M. HOLLAND

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

OPERATOR: B. M. Holland, Gen'l Delivery, Franklin, N. C.

LOCATION: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson Co., N. C.

Holland No. 1 - Drifting continues in this adit and now totals 58 feet; 17 feet remains to be driven under contract. Thirty-two feet have been driven N20°W, 22 feet N5°W and 4 feet N45°W. All work has been conducted in pegmatite composed of kaolinized feldspar containing varying amounts of quartz as ribs or disseminated small pieces, and clear muscovite mica. Some biotite-muscovite intergrowth has been noted in the last few feet. About 500 pounds of "mine-run" block has been recovered from all work completed, much of this, however, is bent badly. The Operator was advised to continue drifting in an effort to produce strategic mica.

Holland No. 2 - Shaft sinking has been completed to a total depth of 30 feet. Turnoff has been made in a S65°W direction from the 26 ft. level and 13 feet of crosscut has been driven, intercepting the pegmatite at 9 feet in the crosscut. A drift has been driven for a distance of 29 feet in a N30°W direction, following the strike of a body which dips 70°SW. The body is composed of kaolinized feldspar and mica flanking a 12 inch quartz core. The Operator was advised to continue the drift in the present direction.

Suggestions were made concerning necessary timber in the drift. Progress on this contract is satisfactory.

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

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

RECEIVED MAY 3 - 1956

April 23, 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

Operator: B. M. Holland, General Delivery, Franklin, N. C.

Location: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson Co., N. C.

Holland No. 1 - Drifting continues to the northwest in this adit and now totals 25 feet. Material encountered is kaolinized feldspar, quartz ribs, and occasional masses of quartz in the floor area and medium sized blocks of muscovite mica, much of which contains a kaolin stain and is bent badly. The Operator was advised to continue drifting in the present direction in an effort to produce strategic mica.

Holland No. 2 - Shaft sinking continues on this contract and is now at 25 feet. The pegmatite began dipping out of the shaft to the southwest at about 15 feet, and has not been exposed from that point to the present bottom. A test hole on the southwest side of the shaft encountered pegmatite at a horizontal distance of 12 feet. The Operator was advised to continue sinking to a total depth of 30 feet, floor the shaft at 25 feet, drive a crosscut over to pegmatite, and start drifting to the northwest. Recent progress has been satisfactory on this contract.

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

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

April 9, 1956

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
APR 5 - 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March 6 195 Docket No. DMEA 4023 Contract No. IDM-E 931
Operator's Name B. M. Holland Mineral Mica
Address Gen. Del. Franklin, N. C.
Contract Amount, $ Government Participation: 75 % Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing #1 & #2	320.00	0.00	320.00			
Crosscutting						
Drifting #1	150.00	0.00	150.00			
Shaft # 2	559.50	0.00	559.50			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1029.50	0.00	1029.50	1029.50	—	1029.50

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-31-56 *Payee B M Holland
Per Title Opr

*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:

$ 772.12

Signature Helen R. Mielu
(Authorized Certifying Officer)
Date APR 9 1956 Vou. No. 201
(See other side)

1 3/19 257.38

(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-931 in accordance with the terms of the contract.

Signature A. J. Peyton Title Mining Engineer Date 4/2/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION V Date APR 3 1956

MONTHLY REPORT OF OPERATOR

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

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(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 5 - 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 195 6 Docket No. DMEA 4023 Contract No. Idm-E 931

Operator's Name B. M. Holland Minerals Mica

Address Gen. Del. Franklin, N. C.

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 #1	ft	150.00	6	150.00	6	25.00	75	1,875.00
Crosscutting								(25.00)
Raising Shafts #2	ft	559.50	15	559.50	15	37.30	50	1,865.00
Winzes								(37.30)
Drilling: Core								
Churn								
Auger								
Stripping Trenching #1 & #2	yds	320.00	800	320.00	800	.40	800	
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1029.50		1029.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1029.50		1029.50				

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

Date 3/31/56 Operator B M Holland

Per _____ Title Opr

REMARKS:

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

(Instructions on reverse)

(For Government use only)

A. L. Peyton
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

RECEIVED
APR 5 - 1956

OPERATOR'S
MONTHLY REPORT FOR
THE MONTH OF
MARCH, 1956

B. M. Holland
Gen Delivery
Franklin, N. C.

Idm-E 931
DMEA- 4023

March:

19. Began operations - hauled rough lumber and built powder and exploder magazines at # 2 mine.

20. Bulldozed 240 cu yards and sloped banks at # 2 mine

21. delivered and set up hoist

22. Cut timber for hoist, worked on boom pole and repaired hoist motor.

23. Finished boom pole and put it up - finished repairing hoist.

24. - 25. no work

26. started shaft at # 2 mine and moved compressor.

27. worked in shaft at # 2 mine - worked with bulldozer at #1 mine - moved 550 cu yds.

28. finished bulldozing at # 1 - worked in shaft at # 2

29. worked in tunnel of # 1 - worked in shaft at # 2 mine. 4 ft in tunnel of # 1, making total of 6 ft.

B. M. Holland

B M Holland

RECEIVED
APR 9 - 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND BROS. Nos. 1 and 2

Operator: B. M. Holland, Gen'l Delivery, Franklin, N. C.

Location: 0.9 mile northwest of U. S. Highway No.23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson County, N.C.

Holland No.1 has completed the bulldozing and cut 6 feet of adit. The partially weathered pegmatite contains disseminated quartz, kaolinized feldspar and clay stained muscovite.

Holland No.2, has completed the bulldozing and 15 feet of shaft. The shaft is still in the weathered zone but is hard enough to require blasting.

Progress is satisfactory.

Inspected: March 29, 1956

A. L. Peyton, Mining Engineer
Bureau of Mines

A. R. Tayler, Geologist
Geological Survey

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

WASHINGTON 25, D. C.

RECEIVED
MAR 22 1956

March 20, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Signed Contract - Idm-K931, DMEA-4023, B. M. Holland. Holland Prospects Nos. 1 and 2. Jackson County, N. C.

Transmitted are three signed contracts on the subject Prospects. The usual distribution of the other copies have been made.

V. J. Lynch

VJL
Lynch
Finance Office
Files

600

MAR 13 1956

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

Re: Docket No. DMEA-4023-Mica
H. N. Holland
Holland No. 1 and Holland No. 2
Prospects
Jackson County, North Carolina

Mr. Hook
Mr. Hopkins
Admr. R. File

Dear Mr. Laurence:

Enclosed are the original and five copies of a proposed contract which have been signed by the Administrator for the Government with effective date as shown. Attachments to the contract are Annex I, "Exhibit A" (2 pages) and three maps of the Holland Prospects. Two extra copies of "Exhibit A" are enclosed for the use of the Field Team. Please advise the Operator that his application docketed under DMEA-4024 has been withdrawn and consolidated with application DMEA-4023.

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 "Exhibit A" are to be returned to this office, together with the proposed changes for consideration.

Copies of memoranda dated December 23, 1955, by Mr. W. F. Dietrich, USBM, and Mr. H. [illegible] Nelson, USGS, relating to the project are enclosed.

JHOPKINS:mm 3/6/56
Copy to: Docket
Operating Committee
Mr. Killgaard, 5222
Mr. Dietrich, 3061

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures: 12

PS: Application indicates applicant will furnish equipment as a contribution toward his share of costs. Costs are, therefore, based on a "use allowance" of this equipment instead of rentals as shown in Field Team's proposal.

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

RECEIVED
FEB 27 1956

February 23, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Docket No. DMEA-4023 - B. M. Holland, Holland Prospect Nos. 1 & 2. Jackson County, North Carolina

Reference is made to your letter of February 21, requesting information and maps pertaining to subject contract which were referred to in your letter of January 10.

A reply to your letter of January 10, with 13 additional copies of each of the maps, were forwarded to you January 27. Copy of transmittal letter attached.

If you have not received the letter and maps, please let us know and duplicate will be forwarded at once.

V. J. Lynch,

VJL/nm

cc:
Lynch
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
HOWWASHINGTONPOSTOFFICEBLDG.
KNOXVILLE 2, TENN.

RECEIVED
FEB 27 1956

February 23, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Docket No. DMEA-4023 - B. M. Holland, Holland Prospect Nos. 1 & 2. Jackson County, North Carolina

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If you have not received the letter and maps, please let us know and duplicate will be forwarded at once.

V. J. Lynch,

VJL/sm

cc:
Lynch
Files

copy

RECEIVED
FEB 27 1956
RAL/sm
cc:
Lynch
Laurence
Shirley

January 27, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4023 and 4024 (mica) R. A. Holland
Holland No.1 and Holland No.2, Jackson County, N. C.

Reference is made to your letter of January 10, 1956.

We are enclosing herewith 13 additional copies of each of the 20-scale maps. The original 200-scale map is adequate, but it should be noted that the 10-foot contour at No. 1 Prospect was not numbered; this should be corrected and the 10, 20, and 30 contours as shown should be changed to 20, 30, and 40. Zero at each prospect is a different datum.

Most of the questions raised in paragraphs 2 and 3 of your letter were discussed with you, and with Mr. Houk and his staff, at considerable length when Mr. Laurence was in Washington two weeks ago. Therefore, only brief reply seems needed here.

Topographic and geologic data will be presented, as completely and accurately as is practical, on maps submitted with future reports, and colors will be used where emphasis is needed.

We disagree with the assumption in your third paragraph. In our opinion, Mr. Holland has done enough preliminary work to show that a favorable environment for strategic mica exists. If enough work had been done to determine quantative data on the occurrence of strategic mica, it is probable that further exploration would be unnecessary. Wherever quantitative data are available - usually only where past production records exist - they will be included in the reports, but in cases like the Holland Prospect, descriptive terms are all that the examiners are justified in using.

The proposal to deepen the existing cut at the Holland No. 1 was made because of the extremely soft weathered condition of the pegmatite and country rock, so as to increase the cover over the workings, as well as getting down to firmer material.

V. J. Lynch, Member
Bureau of Mines

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

FEB 2 _ 1956

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

Re: Docket No. DMEA-4023 - Mica
B. M. Holland
Holland No. 1 and
Holland No. 2 Prospects
Jackson County, North Carolina

Dear Mr. Laurence:

Reference is made to our letter dated January 10, 1956 requesting two new sets of maps and any additional data you may have acquired on these two prospects.

We will greatly appreciate receiving this new material as early as possible so that we may continue processing the two applications that have been consolidated and docketed under DMEA No. 4023.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan

Member, Bureau of Mines

W. P. Williams

Member, Geological Survey

JHopkins:ms 2/16/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

RECEIVED
RAL/sm JAN 30 1956
cc: Lynch
Laurence
Shirley

January 27, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4023 and 4024 (mica) B. M. Holland
Holland No.1 and Holland No.2, Jackson County, N. C.

Reference is made to your letter of January 10, 1956.

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Topographic and geologic data will be presented, as completely and accurately as is practical, on maps submitted with future reports, and colors will be used where emphasis is needed.

We disagree with the assumption in your third paragraph. In our opinion, Mr. Holland has done enough preliminary work to show that a favorable environment for strategic mica exists. If enough work had been done to determine quantitative data on the occurrence of strategic mica, it is probable that further exploration would be unnecessary. Wherever quantitative data are available - usually only where past production records exist - they will be included in the reports, but in cases like the Holland Prospect, descriptive terms are all that the examiners are justified in using.

The proposal to deepen the existing cut at the Holland No. 1 was made because of the extremely soft weathered condition of the pegmatite and country rock, so as to increase the cover over the workings, as well as getting down to firmer material.

V. J. Lynch, Member
Bureau of Mines

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

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

RECEIVED
JAN 30 1956
MAL/ml
cc: Lynch
Lawrence
Shirley

January 27, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4023 and 4024 (mica) B. M. Holland
Holland No.1 and Holland No.2, Jackson County, N. C.

Reference is made to your letter of January 10, 1956.

We are enclosing herewith 13 additional copies of each of the 20-scale maps. The original 200-scale map is adequate, but it should be noted that the 10-foot contour at No. 1 Prospect was not numbered; this should be corrected and the 10, 20, and 30 contours as shown should be changed to 20, 30, and 40. Zero at each prospect is a different datum.

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The proposal to deepen the existing cut at the Holland No. 1 was made because of the extremely soft weathered condition of the pegmatite and country rock, so as to increase the cover over the workings, as well as getting down to firmer material.

V. J. Lynch, Member
Bureau of Mines

R. A. Lawrence, Executive Officer
DMEA Field Team, Region V

Hopkins
Houk

600

January 25, 1956

Memorandum:

To: Robert K. Adams, Chief
Operations Control and Statistics Division

From: Nonmetallic Minerals Division

Subject: Withdrawal of application Docket No. DMEA-4024
to consolidate with Docket No. DMEA-4023

The applicant, B. M. Holland filed separate applications for exploration assistance on Holland No. 1 and Holland No. 2 prospects which are located on the same tract of land.

The Field Team has recommended that the two applications be combined under a single docket number, and a single unit cost contract prepared to provide for work outlined in their reports on these two prospects.

The Nonmetallic Minerals Divisions concurs in the Field Team's recommendation. Accordingly, Docket No. DMEA-4024 is withdrawn and combined with Docket No. DMEA-4023.

James Hopkins
Nonmetallic Minerals
Division

J Hopkins:ms 1/25/56
Copy to: Admr. R. File
Mr. Houk
Mr. Hopkins

Larry:

The data necessary for an adequate appraisal of these prospects is very meager. There is only one exposure on each pegmatite that enables the examiners to note only the width of the pegmatites and the presence of strategic mica.

In my "evaluation" of the field teams reports I have suggested that the applicant expose more of the pegmatites at his own expense, to permit a more adequate appraisal. But this may mean a lessening of our prospect finding.

The proposed work is sound and estimated costs are resonable.

Memorandum 12-27-55

To : Files

From : James Hopkins

Subject: Evaluation of application and Field Team report:

Jackson No. 23 and 4024 - Mica

B. M. Holland

Holland No. 1 and Holland No. 2 Prospects

Jackson County, North Carolina

The two prospects are on the same tract of land. The Field Team has recommended exploration projects on each to be combined under a single contract.

Holland No. 2 Prospect

Mica

Some fairly good size flat "A" ruby mica was seen in place. Some was slightly bent and some badly ruled. There was a slight biotite staining on the mica sheet edges. Abundant mica was seen in place.

Pegmatite:

The pegmatite is 5 to 10 feet in thickness and exhibits a 1 to 2 foot quartz core.

Old Workings

The pegmatite has been explored at various times back to 50 years ago by a cross-cutting bull dozer trench and two shallow 18 and 30-foot adits.

There is no record of production

Remarks;

The examiners recommend an exploration project consisting of sinking a 50-foot shaft and drifting 80 feet. They believe exploration is warranted because of the size of the target and the presence in the pegmatite of strategic mica.

The target is very poorly defined. The probable length of the pegmatite is not given. Perhaps the applicant should be requested to expose more of the pegmatite by bulldozing on its strike before undertaking the recommended exploration work.

Holland No 2 Prospect

Mica

A nominal amount of good hand, light ruby muscovite is found in place. Occasional 3 to 4 inch books were noted by the examiners. Some mica is slightly bent and rarely mineral stained.

Pegmatite:

The pegmatite is 10 feet wide and lies conformable to highly weathered gneissic country rock. Highly kaolinized potash feldspars occur intermingled with thin discontinuous quartz stringers.

Old Workings:

A freshly bulldozed cut on a previously unexplored pegmatite. (No dimensions given)

Remarks:

The Field Team recommends an exploration project consisting of a 75-foot adit to explore the pegmatite exposed in one lone bulldozer cut, after bulldozing to improve entry to the cut.

Insufficient information is available to appraise the possibilities of this pegmatite.

Further work on the pegmatite appears to be justified but it is questionable whether Government assistance is warranted.

I believe the applicant should drive 25 to 30 feet of adit at his own expense so as to permit a better appraisal by the Field Team.

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

600

JAN 10 1956

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

Subject: Dockets Nos. DMEA-4023 and DMEA-4024 - Miss B. M. Holland Holland No. 1 and Holland No. 2 Prospects Jackson County, North Carolina

Dear Mr. Lawrence:

Reference is made to the Field Team Report dated November 18, 1955, recommending a single unit-cost contract to provide for the work outlined in the report at these two prospects.

In our review of the data submitted by the Field Team we find that we are greatly handicapped because of the lack of contours and legends on the individual maps and inadequate descriptions of the pegmatites to be explored. The use of the words "good", "abundant" and "nominal" to indicate quantities of mica observed in the pegmatites are not very useful to us in our effort to appraise the probability of making a significant discovery. The absence of contours on the maps also adds to our difficulty of visualizing the advantages to be gained by deepening an existing 20-foot cut by bulldozing for a portal site.

We are inclined to believe that the meager amount of information given in the reports indicates that there probably has been insufficient work done on the pegmatites to justify appraisement as favorable exploration targets. Please let us have your comments on this.

We will greatly appreciate any additional data you may have that would add greater weight to your recommendations. Please prepare and submit two new sets of maps showing topography and all geological data.

If exploration work is finally approved we will plan to consolidate the work in a single contract.

Approved:

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

Thor H. Kiilsgaard
Member, Geological Survey

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

JHopkins:gad 1/6/56
Copy to: Admr. R. File Docket
Operating Committee Mr. Houk
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Hopkins

JAN 1 0 1956

600

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

Subject: Dockets Nos. DMEA-4023
and DMEA-4024 - Mica
B. M. Holland
Holland No. 1 and
Holland No. 2 Prospects
Jackson County, North Carolina

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If exploration work is finally approved we will plan to consolidate the work in a single contract.

Approved:

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

Thor H. Kiilsgaard
Member, Geological Survey

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

JHopkins:gad 1/6/56
Copy to: Admr. R. File Docket
Operating Committee Mr. Houk
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Hopkins

IN REPLY REFER TO:

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

RECEIVED
DEC 28 1955

December 23, 1955

Re: DMEA 4023
Beulon Holland
Holland prospects
Jackson County, N.C.
Mica

Memorandum

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

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

Subject: Review of Field Team Report.

Separate applications, 4023 and 4024, were filed asking assistance in exploring two pegmatites. The examiners and Field Team recommend approval of one contract covering the two applications as the prospects are on the same land tract. No. 2 prospect would be the scene of the first work, as:

	Cost
Bulldozing 10 hours	$100.00
Sinking 50 feet	2,150.00
Buildings	115.00
Drive 80 feet drift or crosscut	2,775.00
Total	$5,140.00

Work on the No. 1 prospect is outlined as:

Bulldozing 550 yds. at 40¢	$220.00
Drive adit 75'	2,055.00
Total	$2,255.00

Total estimated costs at No. 1 and No. 2 prospects $7,415.00

Abundant mica was seen at the No. 2 prospect, at No. 1, occasional 3 to 4-inch books of hard, light ruby mica occur in place.

I concur with the recommendation of the Field Team that a single contract be approved.

N. E. Nelson

N. E. Nelson

NENelson:jeh
G-12/23/55
cc: Director's reading 4212
Branch reading 4212

DMEA (3)
Docket file
~~H. Dr[illegible]~~
W. F. Dietrich, 3061

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

RECEIVED
DEC 23 1955

December 23, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4023-Ch (mica)

Applicant: R. M. Holland

Name and location of Property: Holland Prospects Nos. 1 & 2, Jackson Co., N.C.

Date of Field Team Report: 11/18/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 12/22/55

Field Team Recommendation: Recommend a single, unit-cost, staged exploration program for both applications.

Comments:

1. Applications 4023 and 4024 cover prospects on the same tract of land and should be combined into one project.

2. Ruby mica was observed at both prospects.

3. These prospects appear to have possibilities for the development of stockpile mica, and both present adequate exploration targets.

Recommendation: I concur with the Field team's recommendation for an exploration program at an estimated cost of $12,555, with the work to be done under a unit-cost contract.

W. F. Hetrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 15 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
DEC 19 1955

December 16, 1955

Memorandum

To: Operating Committee, DMEA, Washington 25, D. C.

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

Subject: Field Examination Report, DMEA-4023 and DMEA-4024 (Mica)
Beulon Holland, Franklin, North Carolina
Holland No. 1 and No. 2 Prospects, Jackson County, N. C.

Enclosed are four copies of the subject report and nine extra copies of each of the maps.

We recommend approval of a single unit-cost contract to provide for the work outlined in the report at these two prospects.

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

Wm. A. Beck, Acting Member
Bureau of Mines

RAL/mg
Enclosures 5
cc - Operating Committee
Mr. Lynch
Mr. Shirley
Files

Reviewed by
DMEA OPERATING COMMITTEE
12-23-55
(date)

RECEIVED
DEC 19 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT BY FIELD TEAM, REGION V

On

DMEA-4024 and DMEA-4023 (mica)

The HOLLAND No. 1 and No. 2 PROSPECTS
Jackson County, N. C.

BY

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

and

Lawrence E. Shirley, Mining Engineer
Bureau of Mines

November 18, 1955

Reviewed by
DMEA OPERATING COMMITTEE

(date)

FIELD EXAMINATION REPORT
On

RECEIVED
DEC 19 1955

DMEA-4024 and DMEA-4023 (mica)

THE HOLLAND No.1 and No. 2 PROSPECTS

Applicants: B. M. Holland, General Delivery, Franklin, North Carolina

The Holland No. 1 and No. 2 prospects are on the same tract of land, and although the applicant field separate applications, it is recommended that the two be combined under a single docket number, and if approved, a single contract be issued. The two prospects are described separately in this report.

File 1/19

It is recommended that work should begin at the Holland No. 2 Prospect, to be followed by No. 1.

Holland No. 2 Prospect:

Some fairly good size flat 'A' ruby mica occurs in a 5 to 10-foot pegmatite, which has been explored at various times back to 50 years ago by a crosscutting bulldozer trench and two shallow 18 and 30 foot adits (see map). The size of target, plus the presence of some strategic mica gives the examiners reason to recommend this prospect for DMEA assistance.

The property was examined November 18, 1955 by the field team accompanied by the applicant, Mr. B. M. Holland who is also the property owner.

The pegmatite is 650 feet N. 13° E from the Holland No. 1 prospect on the same property. It has an attitude of N. 30° W., 65 to 80° NE, roughly parallel to the Holland No. 1 pegmatite. The prospect is just north of Bettys Branch, 0.89 miles NW of U. S. Highway 23, about 11 miles by road NE of Franklin, Macon County, North Carolina, on the Greens Creek Quadrangle (1941 - 1/24,000). The property is in Jackson County, North Carolina.

The pegmatite is 5 to 10 feet in thickness and exhibits a good 1 to 2-foot quartz core. Abundant mica was seen in place, some was slightly bent and some badly ruled. There was a slight biotite staining on the mica sheet edges.

Work recommended by the examiners includes approximately 10 hours of bulldozing to clean up the proposed shaft site. Exploration recommended was 50 feet of shaft and 80 feet of drift and/or crosscut.

Fixed Unit Costs

Holland No. 2 Prospect

1. Preparation of Shaft site
   Bulldozing 10 hrs @ $10.00/hr — 100.00
2. Construct
   Toolhouse — 75.00
   Powder Magazine — 25.00
   Exploder Magazine — 16.00
3. Sink 50 feet of Shaft @ $37.30/ft — 1865.00
4. Drive 80 feet of drift and/or
   crosscut @ 30.00 — 2400.00

Holland No 1 Prospect

5. Excavate Trench approximately
   75 feet by 20 feet by 10 feet
   550 cu. yds @ $0.40/cu.yd — 220.00
6. Drive 75 feet of adit-drift and/or
   crosscut @ $25.00/ft — 1875.00

Estimated Total Cost of Project — $6576.00

Government participation @ 75% — $4932.00

Estimated Costs:

Bulldozing to clean up shaft site - 10 hrs. @ $10/hr. $100.00

Toolhouse	75.00
Powder Magazine	25.00
Exploder Magazine	15.00

(These items to be used on Pros. 1 and 2)

115.00

Sink 50 feet of 5' x 7', two compartment shaft (30 shifts)

50/30 = 1.66'/day

Labor:

1 - Miner @ $1.50/hr.	$360.00
1 - Hoistman @ $1.25/hr.	300.00
1 - Laborer @ $1.00/hr.	240.00

18.00

Use Allowance 1865.00 = 37.30/ft

Equipment (rental)

Compressor & drill @ $230/Mo.	345.00
Hoist @ $50/Mo.	75.00
Pump @ $20/Mo.	30.00
	450

9.00

Rental 13.00/ft

1½ mos @ 110.00 = 165.00

Supplies:

Explosives	170.00	3.40
Drill steel	90.00	1.80
Gasoline and oil	105.00	2.10
Timber, 1500 b. f. @ $65/M	95.00	1.90
Small tools, pipe, etc.	100.00	2.00
Miscellaneous	110.00	2.20
Insurance	90.00	1.80
Social Security	20.00	0.40
Sales tax	20.00	$2,150.00

Drive 80 feet of drift and/or crosscut (35 shifts)

80/35 = 2.28'/day

Labor:

1 - Miner @ $1.50/hr.	420.00
1 - Hoistman @ $1.25/hr.	350.00
2 - Laborers @ $1.00/hr.	560.00
	1330.00

16.75

Rental 34.75

Equipment (rental)

Compressor, drill and Jackleg @ $250/Mo.	440.00
Hoist @ $50/Mo.	90.00
Pump @ $20/Mo.	35.00
	565.00

7.06

Say 34.50

2 mos @ 110.00 = 220.00

Use Allowance 2415.00 = 30.00/ft

Supplies:

Explosives	$250.00	312
Drill steel	120.00	150
Gasoline and oil	150.00	188
Small tools, pipe, etc.	90.00	112
Miscellaneous	125.00	156
Insurance	105.00	131
Social Security	20.00	25
Sales Tax	20.00	25
	~~$2,775.00~~	2760.00

Estimated cost of Prospect No. 2..... ~~$5,140.00~~ 5125.00

Holland No. 1 Prospect:

The Holland No. 1 is a freshly bulldozed cut on a previously unexplored 10-foot wide pegmatite. A nominal amount of good hard, light ruby muscovite in place, recommends this prospect for DMEA assistance.

The property was visited November 18, 1955. The examiners were accompanied by the applicant and property owner, Mr. B. M. Holland.

Holland No. 1 is immediately north of a small feeder of Bettys Creek, 0.86 miles NW of U. S. Highway 23 along Bettys Creek on the Greens Creek Quadrangle (1941 - 1/24,000). It is in Jackson County, approximately eleven miles by road NE of Franklin, North Carolina.

The pegmatite strikes N. 20-25° W., dips 85° NE and is conformable to highly weathered gneissic country rock. Highly kaolinized potash feldspars occur intermingled with thin discontinuous quartz stringers. Occasional 3 to 4 inch books of hard, light ruby muscovite occur in place. Some mica is slightly bent and rarely mineral stained.

The recommended program consists of deepening the existing 20-foot deep hillside cut 10 feet or as deep as possible by bulldozing. It is then recommended to drive 75 feet of adit, drift and/or crosscut.

Estimated Costs of Holland No. 1:

Bulldozing floor of cut to deepen and improve entry 75' x 20' x 10' = 550 cu. yds. @ 40¢ per yd. $220.00

Drive 75 feet of adit - drift and/or crosscut (30 shifts)

Use Allowance
1845.00 = 24.60
Say 25.00
75 feet

Labor:

1 - Miner @ $1.50/hr.	$360.00
2 - Laborers @ $1.00/hr.	480.00

Equipment (rental)

Compressor, drill & Jackleg @ $250/Mo.	375.00

1½ mos @ 110 = 165.00

Supplies:

Explosives	230.00
Drill steel	110.00
Gasoline and oil	140.00
Timber, 500 b.f. @ $65/M	35.00
Small tools, pipe, etc.	85.00
Miscellaneous	120.00
Insurance	85.00
Social Security	15.00
Sales Tax	20.00
	$2,055.00

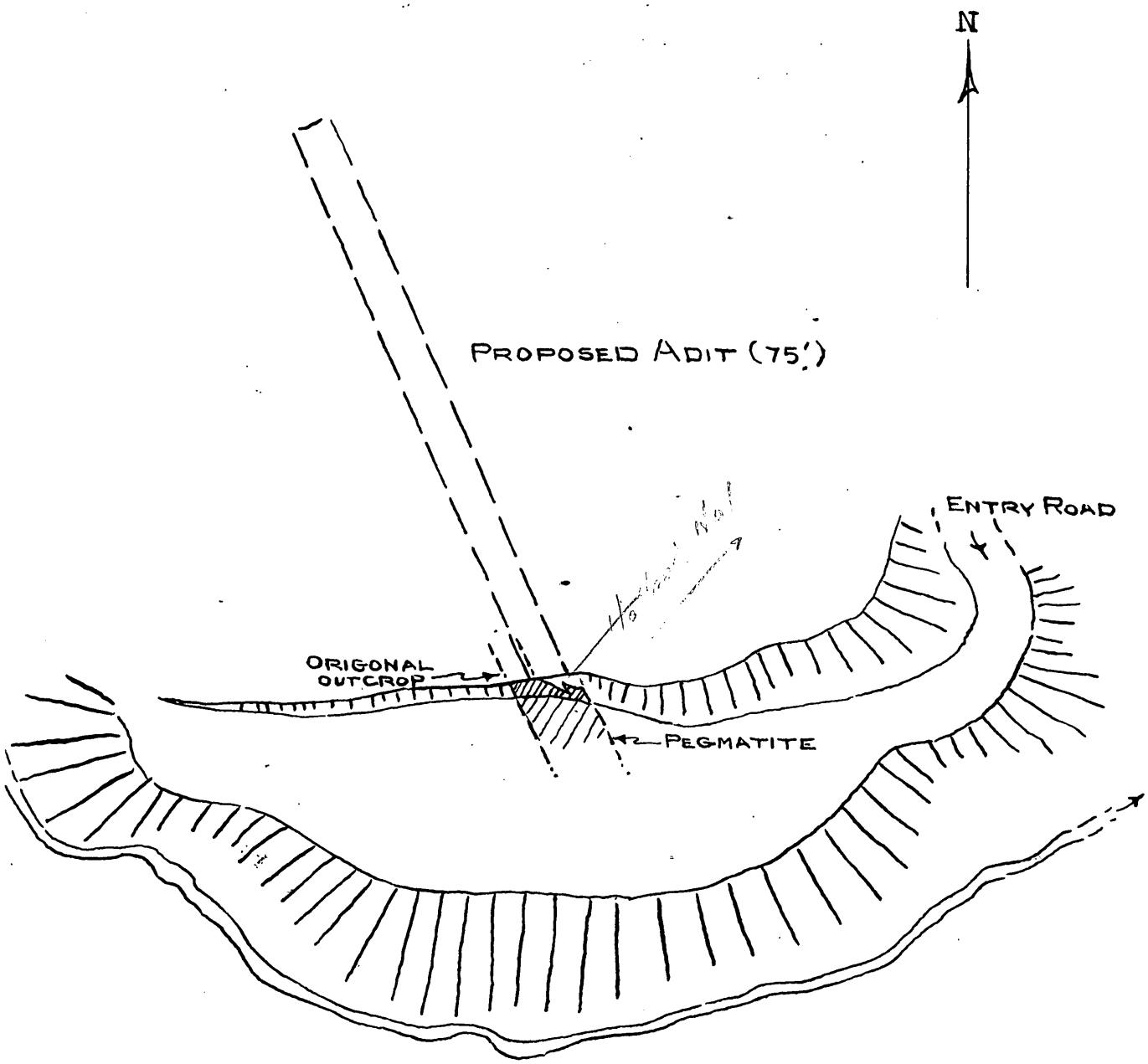
Estimated cost of Prospect No. 1	$2,275.00
Total estimated cost of Prospects 1 and 2	~~$7,415.00~~
	$7400.00
Cost Cert	5550.00

Examined: Nov. 18, 1955

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

and

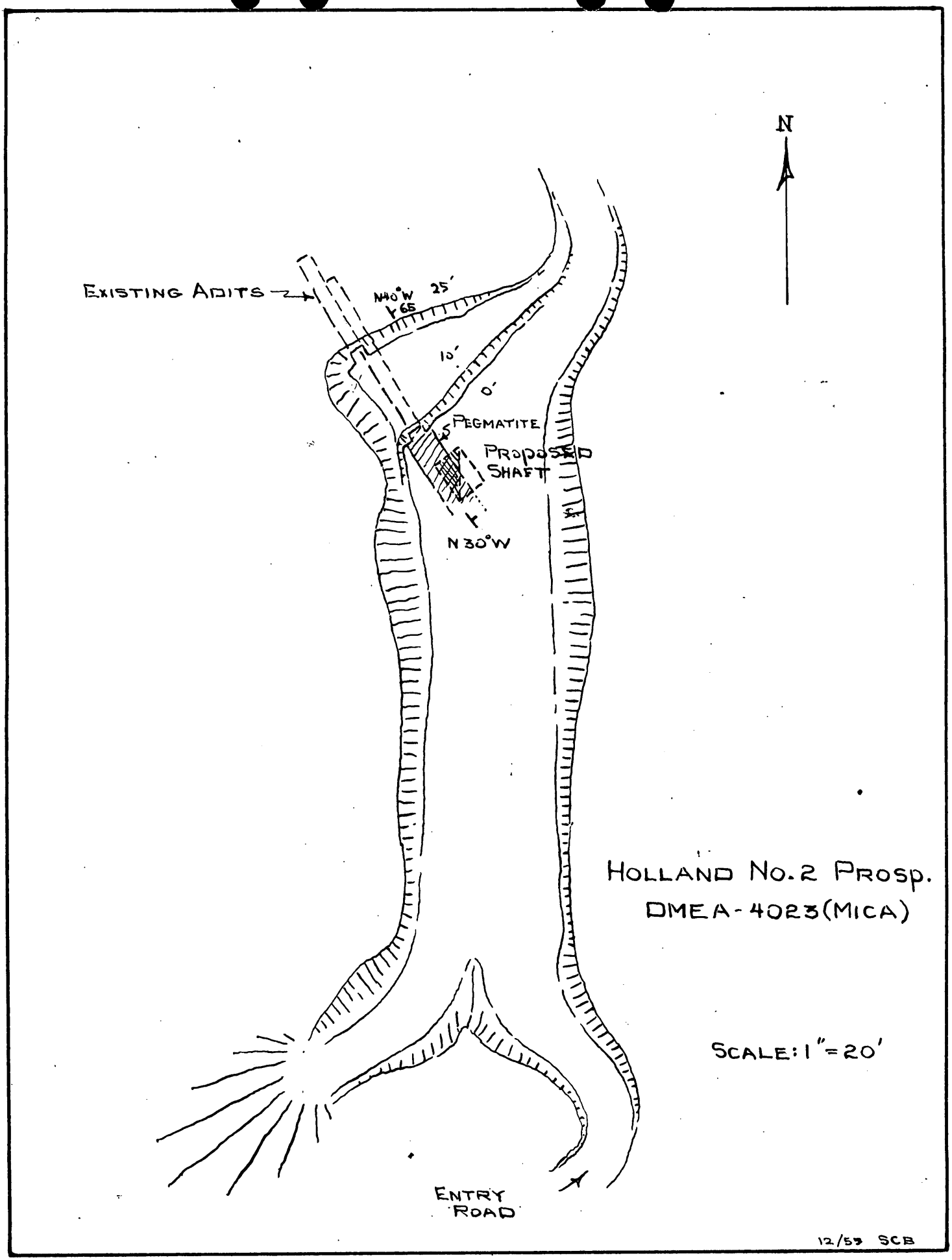
Lawrence E. Shirley, Mining Engineer
Bureau of Mines



HOLLAND No. 1 PROSPECT
DMEA-4024 (MICA)

SCALE: 1" = 20'

12/55. SCB


N
EXISTING ADITS
N40°W
65
25'
10'
0'
PEGMATITE
PROPOSED SHAFT
N 30°W
ENTRY ROAD
HOLLAND NO. 2 PROSP.
DMEA-4023(MICA)
SCALE: 1" = 20'
12/53 SCB

600

OCT 28 1955

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

Subject: Docket No. DMEA-4024 - Mica
B. M. Holland
Holland Prospect No. 1
Macon 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 20 and 21, 1955, by W. F. Dietrich, USBM, and N. E. Nelson, USGS, respectively, relating to the project are enclosed.

If surface excavations are recommended for the proposed trenching and shaft site, detailed estimated costs for this work should be reported as costs per cubic yard in lieu of hours and cost of tractor or manual labor time.

Holland Prospect No. 1 and Holland Prospect No. 2 appear to be two separate prospects located on a 100-acre tract of land owned by Mr. B. M. Holland. If the examiners determine during the field examination that both prospects warrant exploration work, it is suggested that the feasibility of combining the work under one contract be considered and discussed with the applicant. However, if a contract is recommended for Prospect No. 1 alone, please request the applicant to furnish a description of the 10-acre tract by metes and bounds referenced to a permanent landmark. If your office recommends an exploration program approved by the applicant, please furnish the necessary information to draft a contract. In this connection we will require nine copies of a map showing the proposed work and pegmatite exposures in relation to the property line.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

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

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 4

JHopkins:gad 10/28/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

600

OCT 28 1955

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

Subject: Docket No. DMEA-4023 - Mica
B. M. Holland
Holland Prospect No. 2
Macon 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 20, and 21, 1955, by W. F. Dietrich, USBM, and V. E. Nelson, USGS, respectively, relating to the project are enclosed.

If surface excavations are recommended for the proposed trenching and shaft site, detailed estimated costs for this work should be reported as costs per cubic yard in lieu of hours and cost of tractor or manual labor time.

Holland Prospect No. 1 and Holland Prospect No. 2 appear to be two separate prospects located on a 100-acre tract of land owned by Mr. B. M. Holland. If the examiners determine during the field examination that both prospects warrant exploration work, it is suggested that the feasibility of combining the work under one contract be considered and discussed with the applicant. However, if a contract is recommended for Prospect No. 2 alone, please request the applicant to increase the size of the tract to approximately five acres and furnish a description of the tract by metes and bounds referenced to a permanent landmark. If your office recommends an exploration program as submitted or revised by the applicant, please furnish the necessary information to draft a contract. In this connection we will require nine copies of a map showing the proposed work and pegmatite exposures in relation to the property line.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

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

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 4

JHopkins:gad 10/28/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

600

OCT 28 1955

Mr. B. M. Holland
General Delivery
Franklin, North Carolina

Re: Docket No. DMEA-4024 - Mica
B. M. Holland
Holland Prospect No. 1
Macon County, North Carolina

Dear Mr. Holland:

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.

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,

Frank E. Johnson

Acting Administrator

JHopkins:gad 10/27/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Hillsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

OCT 28 1955

Mr. B. M. Holland
General Delivery
Franklin, North Carolina

Re: Docket No. DMEA-4023 - Mica
B. M. Holland
Holland Prospect No. 2
Macon County, North Carolina

Dear Mr. Holland:

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.

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,

Frank E. Johnson

Acting Administrator

JHopkins:gad 10/28/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

IN REPLY REFER TO:

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

RECEIVED
OCT 21 1955

October 21, 1955

Re: DMEA 4024
B. M. Holland
Holland No. 2 prospect
Macon Co., N. C.
$2,220 - Mica

Memorandum

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

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

Subject: Review of application.

This application pertains to a property probably in the vicinity of the subject of application DMEA 4023, of the same person.

Some mica was recovered in bulldozing the sidehill outcrop. Such information suggests a staged project involving bulldozing and an adit on the vein is warranted.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/21/55

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

IN REPLY REFER TO:

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

RECEIVED
OCT 21 1955

October 21, 1955

Re: DMEA 4023
B. M. Holland
Holland prospect
Macon Co., N. C.
$4,410 - Mica

Memorandum

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

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

Subject: Review of application.

The applicant considers the type of pegmatite exposed indicative of mica at depth. At any rate bulldozing has been done and enough pegmatite may have been uncovered to permit an appraisal of the probabilities.

A staged work program, including a thorough stripping, may be warranted.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/21/55

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

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

RECEIVED
OCT

October 20, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4024 (mica)

Applicant: B. M. Holland

Name and Location of Property: _____ North Carolina

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/19/55

Comments:

1. No data available in this office on this property and there is insufficient information given in the application to assist a preliminary appraisal.

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

Recommendation:

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

Signed
W. F. Dietrich

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

October 20, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4023 (mica)

Applicant: B. M. Holland

Name and Location of Property: _____ North Carolina

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/19/55

Comments:

1. The area to be explored is only 3 acres and additional acreage should be included in the application if possible.

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

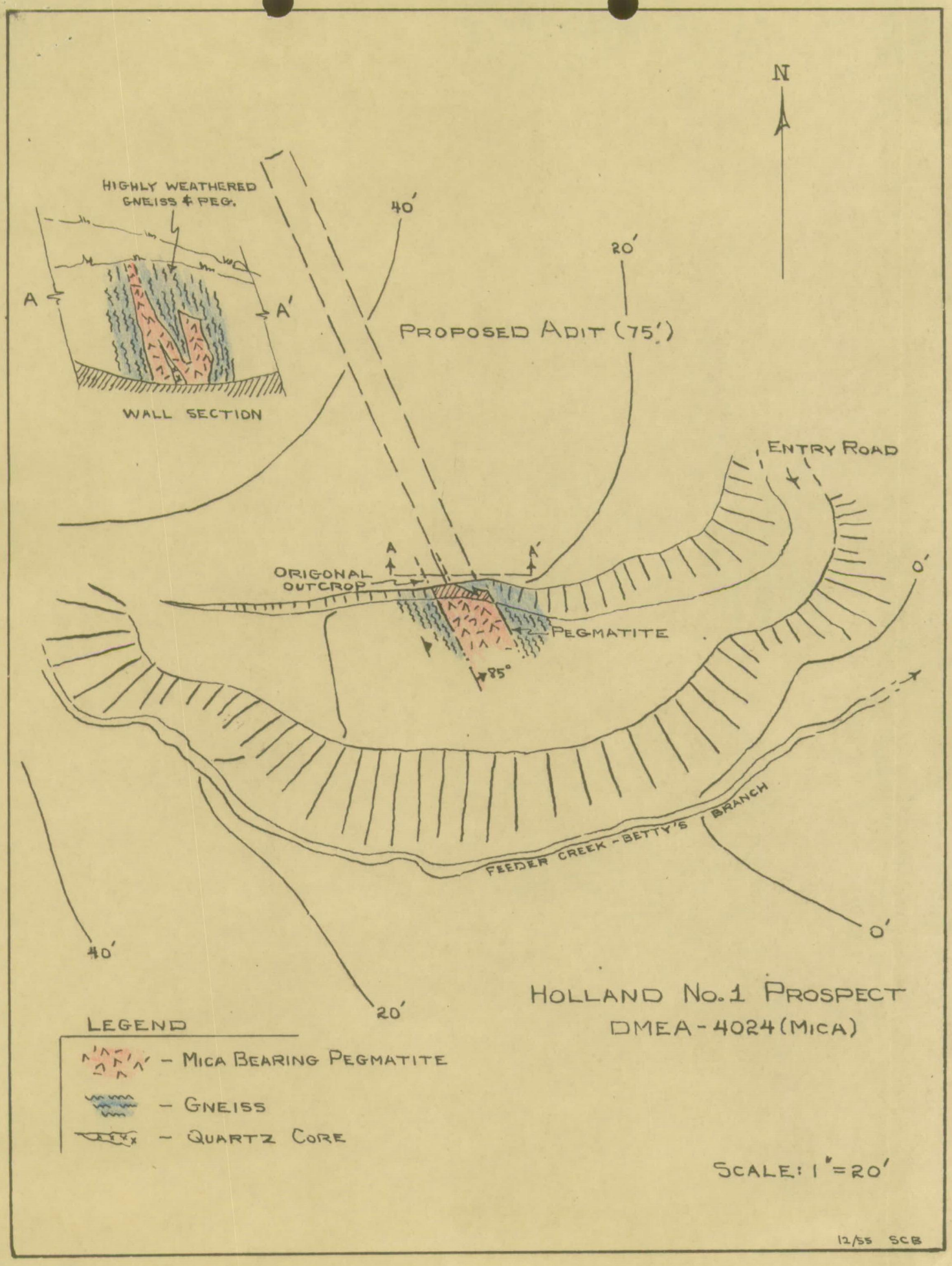
3. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

Recommendation:

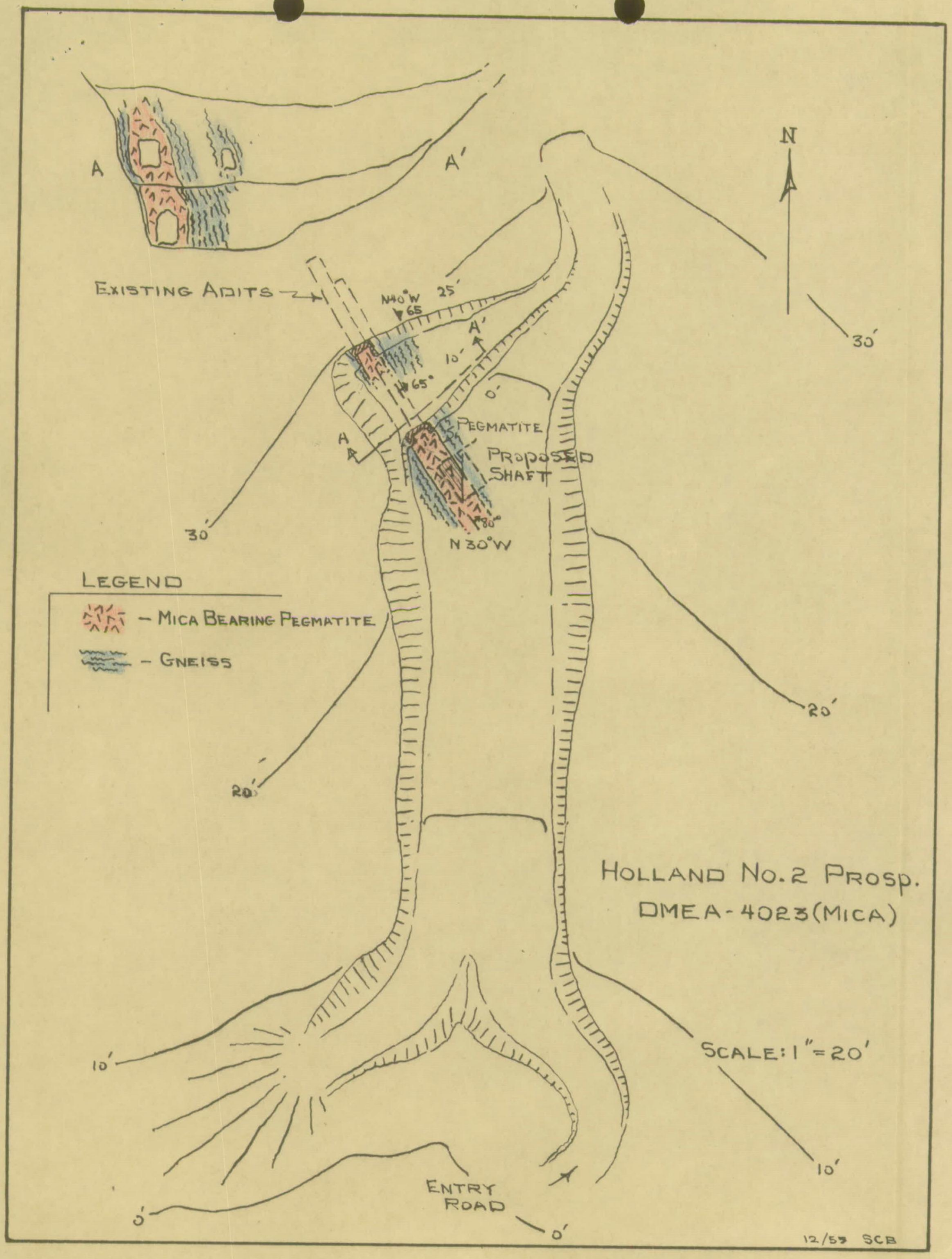
It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

Signed

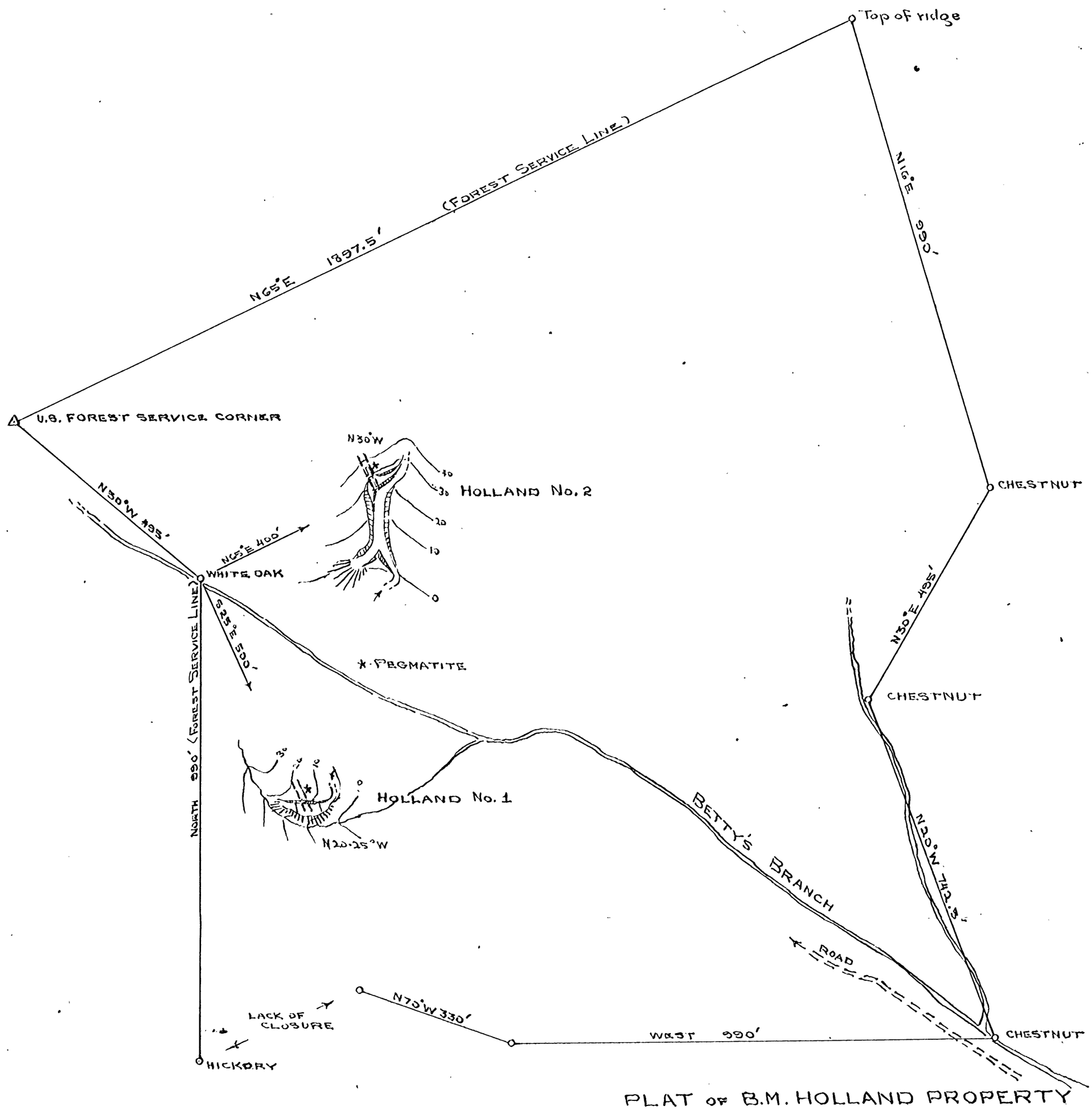
W. F. Dietrich


N
HIGHLY WEATHERED GNEISS & PEG.
A
A'
WALL SECTION
40'
20'
PROPOSED ADIT (75')
ENTRY ROAD
ORIGONAL OUTCROP
A
A'
PEGMATITE
85°
0'
FEEDER CREEK - BETTY'S BRANCH
0'
40'
20'
HOLLAND No. 1 PROSPECT
DMEA-4024 (MICA)
LEGEND
- MICA BEARING PEGMATITE
- GNEISS
- QUARTZ CORE
SCALE: 1" = 20'
12/55 SCB

RECEIVED
JAN 30 1956


A
A'
N
EXISTING ADITS
N40°W
65
25'
A'
10'
65°
0'
PEGMATITE
A
PROPOSED SHAFT
80°
N 30°W
30'
30'
LEGEND
- MICA BEARING PEGMATITE
- GNEISS
20'
20'
HOLLAND NO. 2 PROSP.
DMEA-4023(MICA)
SCALE: 1" = 20'
10'
10'
ENTRY ROAD
0'
0'
12/55 SCB

RECEIVED
JAN 30 1956

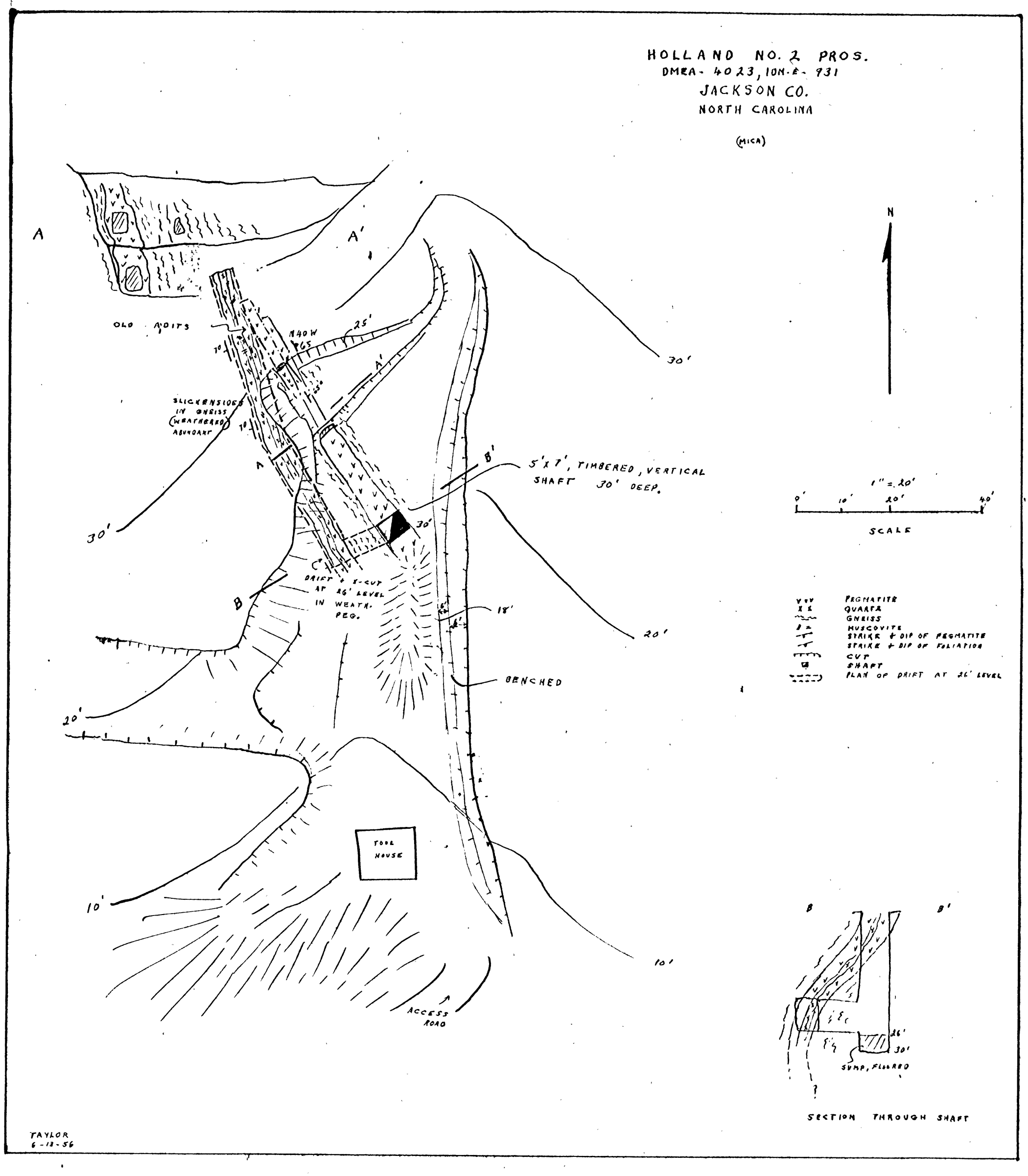


PLAT OF B.M. HOLLAND PROPERTY
JACKSON COUNTY N.C.

SCALE: 1" = 200'

HOLLAND NO. 2 PROS.
DMRA - 4023, 10M-E - 931
JACKSON CO.
NORTH CAROLINA

(MICA)



TAYLOR
6-13-56

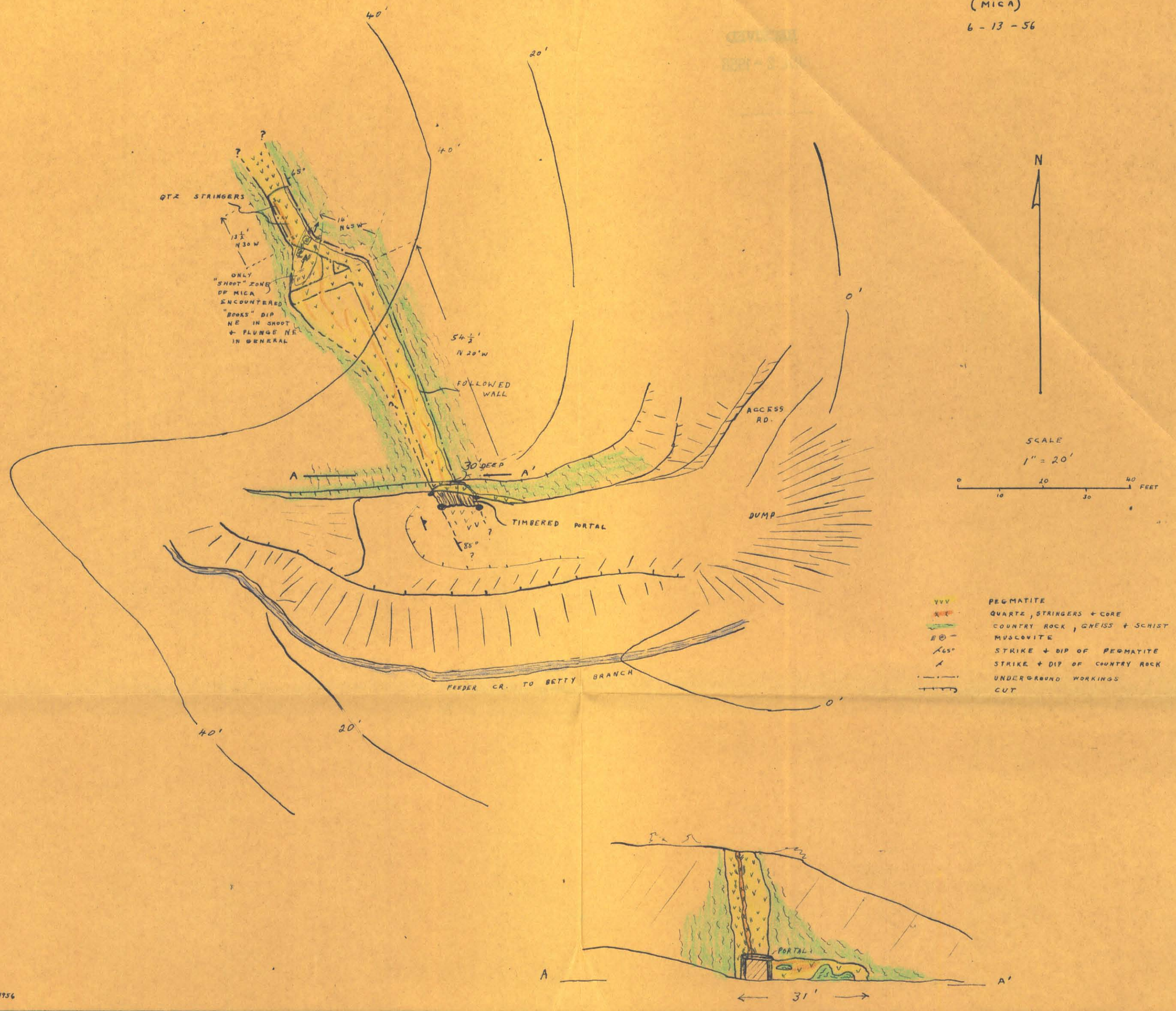
HOLLAND NO. 1 PROS.

DMEA - 4023, IDM-E 931

JACKSON CO., N.C.

(MICA)

6 - 13 - 56



TAYLOR -/6-13-1956