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

November 2, 1956

Mr. Grover Grindstaff
Route # 3
Bakersville, North Carolina

Re: DMEA-4248, Idm-E1016-Mica
Grover Grindstaff Prospect
Mitchell County, North Carolina

Dear Mr. Grindstaff:

After examination of the excavation made under Stage I of this contract, our Field Examiners, Mr. Shirley and Mr. Taylor, report that no further work can be justified. This confirms the instructions they gave you last Tuesday, October 30. Stage II will not be approved.

Therefore, this contract should be considered terminated at the completion of Stage I, effective October 31. Please submit your voucher and final report at your earliest convenience.

Very truly yours,

Robert A. Laurence

RAL/xm
cc
Opr. Com.-3
Finance Office
Shirley
Lynch
Files

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Report of:

Grover Grindstaff
Route 3
Bakersville, North Carolina

pertaining to Exploration Project Contract No. Idm-E1016, Docket No. DMEA-4248, for the month of October 1956, covering a project for the exploration of mica on property, known as the Grover Prospect located in Mitchell County, North Carolina.

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

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

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

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

Total cost as billed by Contractor		$165.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith for excavation claimed but not performed	60.84	60.84
Total Accepted Cost		$104.16

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 Seventy-eight and 12/100 Dollars

$78.12

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

E. D. Talbert, Auditor

January 24, 1957

Division Copy

MF-200A
(Rev. April 1956)

RECEIVED
OCT 22 1956

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

DMEA No.	*Commodity*	*Contract No. Idm-E*	*County*	*State*
4248	Mica	1016	Mitchell	North Carolina

It is agreed OCT 5 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Grover Grindstaff

whose mailing address is Route #3
Bakersville, North Carolina
hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before NOV 15 1956, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within five months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $3,388.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $2,541.00, in accordance with the provisions of Articles 4 and 5.

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

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances:

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

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

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

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

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

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

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

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

ARTICLE 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 10. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

GROVER GRINDSTAFF
(Operator)

By Grover Grindstaff

By [illegible]
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: 1956—O-383069

RECEIVED
OCT 22 1956

EXPLORATION PROJECT CONTRACT
GROVER GRINDSTAFF
DOCKET NO. DMEA-4248

ANNEX I

The land referred to in Article 2 of the Contract was leased to the Operator by John Phillips in an instrument dated April 6, 1956, for a period of five years, renewable, and is described as follows:

> Beginning on an iron stake at the center of the Grover Prospect which is located approximately 600 feet North to a Hickory stump which is a corner in the property line between John Phillips and Paul and Gudger Fortner, as shown on deed recorded in Book No. 113, Page 68, in Register of Deeds Office, Bakersville, N. C.; and running 250' North; thence 250' West; thence 500' South; thence 500' East; thence 500' North; thence 250' West to a point of closing. This property located about two miles West of C. R. Phillips' store at Wing, N. C.
>
> The land is about 0.63 airline miles N 10° W of Wing, on the southeastern slope of Big Ridge at the southern extremity of Burns Mountain (Micaville Quadrangle, TVA Ed. 1934, 1:24,000).

RECEIVED
OCT 22 1956

EXPLORATION PROJECT CONTRACT
GROVER GRINDSTAFF
DOCKET NO. DMEA-4248

EXHIBIT A

The approximate location of the work is shown on the attached map entitled "Grover Prospect, Mitchell County, N. C. DMEA-4248 (Mica)".

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

Stage I

Excavate a trench along the strike of the pegmatite, having approximate dimensions of 99 feet by 15 feet by 10 feet but not exceeding 550 cubic yards of excavation, to establish strike length continuity.

Stage II

1. Bulldoze an access road having approximate dimensions of 400 feet by 12 feet but not exceeding 530 cubic yards of excavation.

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 3 feet by 2½ feet.
(c) An exploder storage magazine, minimum dimensions 2 feet by 1½ feet by 1 foot.

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

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

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

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

All work shall be timbered as necessary.

Fixed Unit Costs

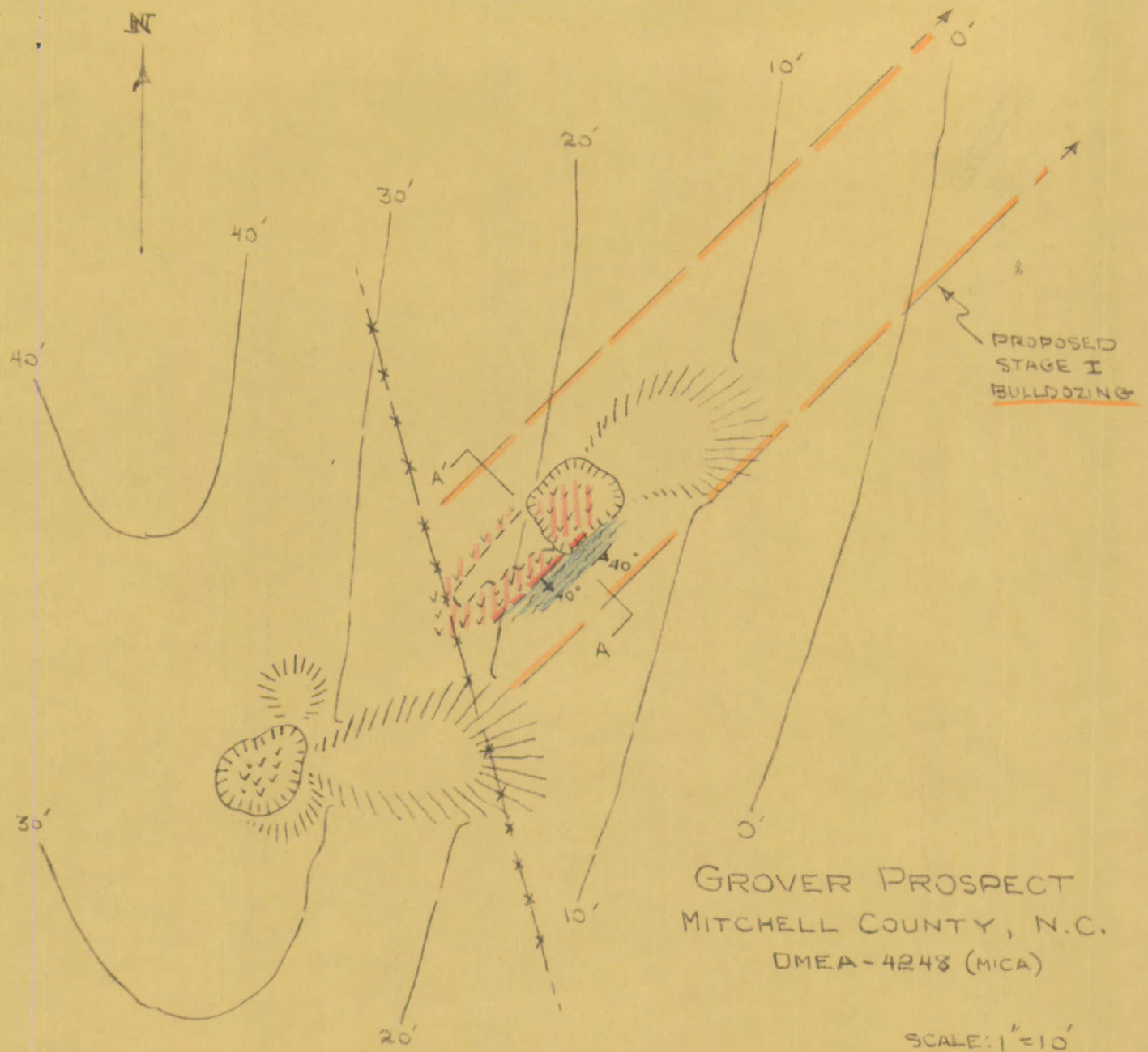
Stage I

1. Excavate trench - 550 cubic yards @ $0.30/cu. yd.	$ 165.00

Stage II

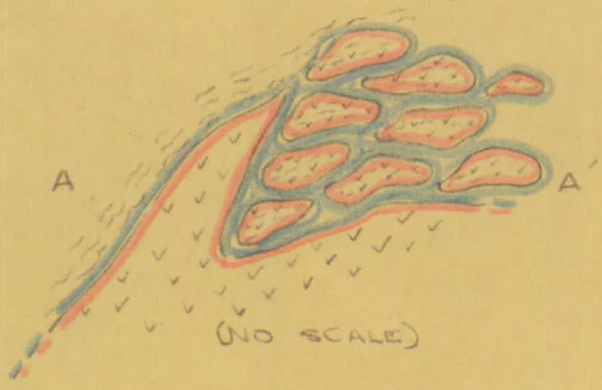
1. Excavate access road - 530 cubic yards @ $0.20/cu. yd.		106.00
2. Construct:		
Toolhouse	$76.00 1/	
Powder magazine	26.00 1/	
Exploder magazine	15.00 1/	117.00
3. Drive 100 feet of drift and/or crosscut @ $30.00/ft.		3,000.00
Estimated Total Cost of Project		$3,388.00
Government Participation @ 75%		$2,541.00

1/ The completed work constitutes the work.



GROVER PROSPECT
MITCHELL COUNTY, N.C.
DMEA-4248 (MICA)

SCALE: 1" = 10'



LEGEND

- PEGMATITE
- MICA GNEISS AND SCHIST
- PITS AND TRENCHES
- DUMP
- FENCE

6/56

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

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator Grover Grindstaff
Docket No. DMEA- 4248
Contract No. Idm-E
Contract Date

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

RECEIVED
OCT 22 1956

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described as follows: 2/ Beginning on an iron stake at the center of the Grover Prospect which is located approximately 600 feet North to a Hickory stump which is a corner in the property line between John Phillips and Paul and Gudger Portner, as shown on deed recorded in Book No. 113, Page 68, in Register of Deeds Office, Bakersville, N. C.; and running 250' North; thence 250' West; thence 500' South; thence 500' East; thence 500' North; thence 250' West to a point of closing. This property located about two miles West of C. R. Phillips' Store at Wing, N. C. (The land covered by the above description is identical with the land described in the lease dated April 6, 1956.),

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

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

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

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

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

None

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

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

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

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

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

Dated this _____ day of _____, 195__.

John P. Cullinan	[Seal]	Spruce Pine, N.C.	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]

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

_____

[Corporate Seal]

600

MAY - 8 1957

Mr. Grover Grindstaff
Route 3
Bakersville, North Carolina

Re: Docket No. DMA-4248-Mica
Grover Grindstaff
Grover Prospect
Mitchell County, North Carolina
Contract No. Idm-81016

Dear Mr. Grindstaff:

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

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

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

Sincerely yours,

R. O. Mittendorf

Administrator

xCanderson:rsi 5/3/57
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3001
Mr. Houk

600

MAY - 8 1957

Mr. John Phillips

Spruce Pine, North Carolina

Re: Docket No. DSA-4248-Mica
Grover Grindstaff
Grover Prospect
Mitchell County, North Carolina
Contract No. Idm-61016

Dear Mr. Phillips:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination agreement signed by you.

Sincerely yours,

G. O. Mittendorf

Administrator

WCAnderson:rsi 5/6/57
Copy to: Admr. R. File
Mr. Chambers
Field Team, Region V
Mr. Killegaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Enclosure

May 2, 1957

Project Summary Report

By: Walter C. Anderson, Nonmetallic Minerals Division

1. Docket No. DMEA-4248-Mica
Contract No. Idm-E1016
Grover Prospect
Mitchell County, North Carolina

Application: Form MF-103(April, 1952) received April 12, 1956.

Work Proposed by Applicant:

20 hours bulldozing @ $10.00/hr.	$200.00
60 feet of shaft @ $50.00/ft.	3,000.00
80 feet of drift @ $35.00/ft.	2,800.00
Total amount requested	$6,000.00

Operator: Grover Grindstaff
Route 3, Bakersville, North Carolina

Operator's Property Rights: Five year mining lease on the John Phillip's property consisting of 5 plus acres, dated April 6, 1956. Consent to Lien and Subordination Agreement, undated.

2. Contract: Form MF-200A(April, 1956) dated October 5, 1956.

Work Authorized:

Stage I	
Excavate trench - 550 Cubic Yards @ $0.30/c.yd.	$165.00
Stage II	
Excavate access road - 530 Cubic Yards @ $0.20/c.yd	106.00
Construction- Toolhouse, powder and Exploder magazine	117.00
100 feet of drift and/or crosscut @ $30.00/ft.	3,000.00
Estimated total cost of project	$3,388.00
Government participation @ 75%	$2,541.00

Amendments: None.

Work Completed:

Stage I	
347.2 Cubic Yards of trench excavation @ $0.30/c.yd	104.16
Total accepted cost	$104.16
Government participation @ 75%	$78.12

Work began October 22, 1956 and was terminated by letter of November 2, 1956, Field Team to Operator.
Field Team Fianl Report received December 7, 1956.
Operator's Final Report dated November 5, 1956.
No equipment purchased under contract.

3. Audit: Report of Review issued January 24, 1957.

Total billed by Operator	$165.00
Exception, for excavation not performed	60.84
Total accepted cost	$104.16
Government participation @ 75%	$ 78.12

4. Certification of Discovery: None issued.
Value of production: None.

5. Comments:
How conducted: All of the work in which the Government participated was acceptable.
Operation: Only a bulldozer cut.
Engineering: Reporting by Operator is accepted.

Geologic Premise: Bulldozing proved that the prospect did not warrant further exploration, since only a shallow, elliptical-shaped pod with no extent was exposed.

Geologic Criteria upon which work was based:

1. Pegmatite: Small irregular pillow-shaped blobs of partially pegamtized material, conformably to disconformably enclosed in weathered mica schist.

2. Mica: Clear green, flat, about 3 inches across, and free from mineral intergrowths.

3. Good indicated mica potential, but continuity of structure is obscure, therefore preliminary bulldozing is proposed under 2 stage program.

Geologic Criteria developed during project:

1. Pegmatite: Shallow elliptical pod with no extent, composed of fine-grained kaolinized plagioclase, small quartz masses and small mica enclosed in weathered micaceous schist.

2. Mica: Most is badly stained 3 inch crystals, some green, flat and wavy, 2 to 3 inches wide, generally clear but disseminated in too small a zone.

Future Possibilities: None, no further exploration justified.

Recommendations: The Nonmetallic Minerals Division and the Commodity Members of the Geological Survey and the Bureau of Mines concur in the Field Team's recommendation not to certify.

W. C. Anderson
Nonmetallic Minerals Division

WCAnderson:rsi 5/2/57
Copy to: Admr. R. File
Mr. Houk

EXTRA COPY DMEA		
RECEIVED [illegible] 1957		
DATE	IN	CODE
1-16	C	220
		600

January 15, 1957
Re: DMEA 4248 Idm-[illegible]016
Grover Grimdstaff
Grover Prospect
Mitchell County, North Carolina
$3,388.00 - Mica

Memorandum

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

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

Subject: Review of Field Team Final Report

The applicant was awarded a contract approving the expenditure of $3,388.00 for the exploration of a pegmatite.

After $165.00 had been spent, it was demonstrated to the satisfaction of the examiners and the Operator that the apparent strategic mica-bearing potential of the pegmatite is too low to warrant exploitation.

The examiners and the Field Team recommend that no certificate of discovery be issued.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Chron. file
W. F. Dietrich, 3061
NENelson:pbb
G: 1/15/57

600

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

WASHINGTON 25, D. C.

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

December 21, 1956

Memorandum

To: Finance Officer, DMEA

From Acting Executive Officer, Region V - Knoxville, Tennessee

Subject: Refund on Overpayment : Idm-E1016, DMEA-4248 - Mica
Grover Grindstaff - Grover Prospect, Mitchell County, N.C.

Transmitted is a check for overpayment on the October voucher in the amount of $45.63 which is to be credited to the Government on the subject contract.

V. J. Lynch

ZM.
cc
Lynch
Mittendorf
Files

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

VJL/zm
cc:
Finance Officer
Oper. Com-2
Lynch
Shirley
Files

RECEIVED
DEC 20 1956
D.M.E.A.

December 18, 1956

Mr. Grover Grindstaff
Route # 3
Bakersville, North Carolina

Re: DMEA-4248, Idm-E1016 (mica)
Grover Grindstaff
Grover Prospect, Mitchell County, N.C.

Dear Mr. Grindstaff:

An error was made in payment of the final voucher of the subject contract. On the final voucher submitted in October, you stated that a trench 125 feet long, 15 feet wide and 10 feet deep, had been excavated and claimed the maximum amount allowed by the contract, which is $165.00 for 550 cubic yards at 30¢ per cu. yd. The Government's share was $123.75, and this amount was paid.

The Field Examiners measured the trench and found it to be 125-feet long, 15 feet wide and averaged 5 feet in depth. This would make a total of 347 cubic yards excavated, which at 30¢ a cubic yard would be $104.16 or $78.12 as the Government's share.

The over payment is therefore $45.63. In order to close our account on this contract it would be appreciated if you will send us a check, payable to Defense Minerals Exploration Administration in the amount of $45.63.

Very truly yours,

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

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

December 14, 1956

RECEIVED DEC 17 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4248 (mica)

Applicant: Grover Grindstaff

Name and Location of Property: Grover Prospect, Mitchell County, N. C.

Contract Number: Idm-E 1016

Date of Field Team Report: 12/5/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 12/10/56

Field Team Recommendation: Recommend no certification of discovery.

Comments:

1. Stage I bulldozing was completed and indicated that the pegmatite was a shallow ellipticial-shaped pod with no appreciable extent.

2. The fine-grained pegmatite observed exhibits a poor environment for the occurrence of large amounts of muscovite.

3. Expenditures -

Total approved	$3,388.00
Total cost	165.00
Gov't. share of the cost	123.75
Value of production during operation	None

Recommendation:

I concur with the recommendation of the field team that certification be denied.

Signed

W. F. Dietrich

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

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

Re: Docket No. DMEA-4248
Grover Grindstaff
Grover Prospect
Mitchell County, North Carolina
Contract No. Idm-E1016

Dear Mr. Laurence:

A review of the files pertaining to the referenced project, preparatory to the issuance of a Report of Review in lieu of a final audit, has disclosed a discrepancy between the work claimed by the Operator and that reported by the Field Team.

Both the Field Team's Interim Report of October 30, 1956, and Final Report of December 4, 1956, state the size of the trench excavated under Stage I of the contract as being 125 feet long, 15 feet wide, and an average of 5 feet deep. This indicates that 347.2 cubic yards were excavated, which at the contract's fixed unit cost of $.30 a cubic yard would amount to $104.16 with the Government's 75% contribution properly being $78.12.

The Operator's narrative for the month of October, 1956, however, states the size of the trench as being 125 feet long, 15 feet wide, and 10 deep, indicating excavation of over 694 cubic yards. The MF-104 claimed the maximum allowed by the contract for this item of work, that is $165.00 for 550 cubic yards at $.30 a cubic yard. The Field Team approved the costs of $165.00 and the Operator was paid $123.75 as the Government's 75% contribution.

Inasmuch as the records as they now stand indicate that the Operator has been overpaid in the amount of $45.63, an explanation prior to the issuance of the Report of Review would be appreciated.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

EDTalbert/wb
December 12, 1956

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

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

WASHINGTON 25, D.C.

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

December 5, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Final Field Team Report - Idm-E1016, DMEA-4248 (mica)
Grover Grindstaff, Bakersville, N.C.

Transmitted are four copies of the subject report.

Work was stopped on this contract after the bulldozing was completed under Stage I, due to the poor quality of the muscovite and the zone was too small to be worked economically.

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

Helmuth Wedow, Geologist
U. S. Geological Survey

ZM.
cc
Lynch
Shirley
Files

Reviewed by
DMEA OPERATING COMMITTEE
12-10-56
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

FIELD TEAM, REGION V

On

DMEA--4248, Idm-E1016 (mica) GROVER PROSPECT
Mitchell County, North Carolina

By

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

and

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

Reviewed by
DMEA OPERATING COMMITTEE
12-10-56
(date)

December 4, 1956
(Denial)

FINAL REPORT
DMEA FIELD TEAM, REGION V

DMEA-4248, Idm-E1016, GROVER PROSPECT
Mica- Mitchell County, North Carolina

Operator: Mr. Grover Grindstaff, Route #3, Bakersville, N. C.

Summary

After Stage I bulldozing was completed, Stage II drifting was not authorized because the pegmatite appeared to be a shallow, elliptical-shaped pod with no appreciable extent. Certification is not recommended.

Introduction

Work, consisting of Stage I trenching began October 22, 1956, and was completed by the inspection October 30, 1956.

No facilities were constructed and no equipment was purchased by the Government.

The prospect is 0.63 airline miles N 10° W from Wing, Mitchell County, N.C., on the southeastern slope of Big Ridge near Paul Fortner's store. (Micaville, N.C. Quad. TVA., 1934,1/24,000).

Geology

A kaolinized elliptical-shaped pegmatite that appears to be a shallow pod is exposed in a trench which trends N 50° E. The trench is 125 feet long, 15 feet wide, and an average of 5 feet deep in soft, weathered material.

About 45 feet of irregular, undulating, sill-like pegmatite (probably a shallow ellipitical pod with 10 ft maximum thickness) strikes about N 50° E and dips 30° to 45° SE with an apparent plunge of 15° SW.

The body is composed essentially of fine-grained kaolinized plagioclase with small quartz masses and small muscovite enclosed in weathered brown micaceous schist. Two small zones of muscovite in association with larger crystals of feldspar and quartz are exposed, one on the NE end and one on the SW upslope end.

The muscovite observed on the SW end is green, wavy, and badly stained in 3-inch crystals, while that on the NE end near the

footwall contact is green, flat and wavy, 2 to 3 inches wide and generally clear. The clear muscovite, however, is disseminated, and in too small a zone to be worked economically.

Conclusions

No further exploration is justified. Any level work done would not develop enough back for safety or reserves. Furthermore, the fine-grained pegmatite exhibits a poor environment for the occurrence of large amounts of muscovite. It is recommended that the prospect not be certified as a discovery.

Expenditures:

(a)	Total Approved.....	$3388.00
(b)	Total cost under contract...	165.00
(c)	Government's share of cost...	123.75
(d)	Government's share unexpended	2417.25
(e)	Value of production.....	None

Final Examination: October 30, 1956

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

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

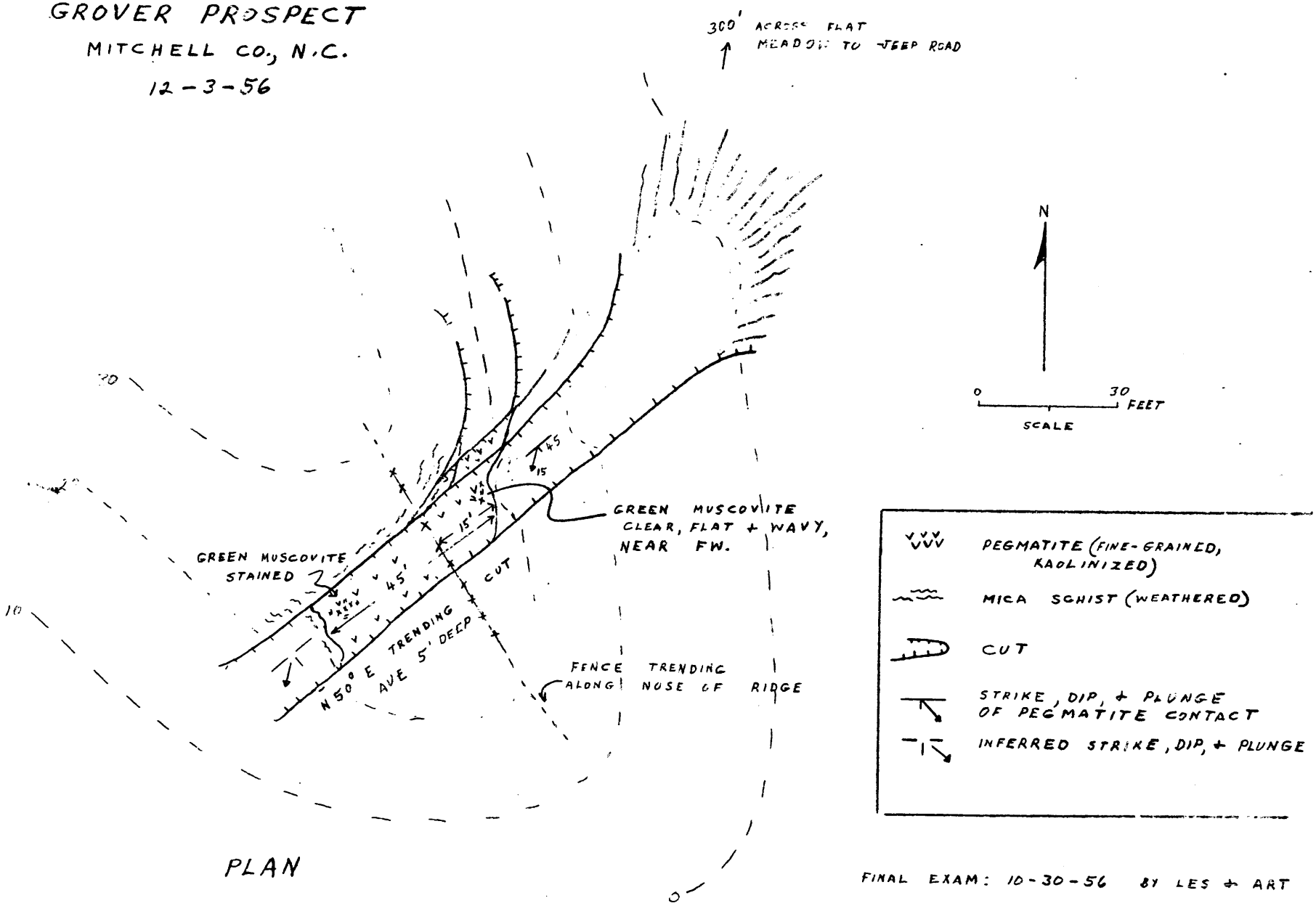
z

DMEA - 4248, IDM-E 1016 MICA

GROVER PROSPECT

MITCHELL CO., N.C.

12-3-56



PLAN

FINAL EXAM: 10-30-56 BY LES + ART

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

H

Spruce Pine, North Carolina
November 5, 1956

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

Re: DMEA-#4248, Idm-R 1016 (Mica)
Grover Prospect, Mitchell Co. , N.C.
Final Report

Dear Mr. Laurence:

We began work on the above Project on October 22, 1956, and stopped work upon termination of the contract on October 31, 1956.

We moved in a bulldozer and excavated a trench along the strike of the pegmatite. We did some extra bulldozing on our own the trench was 125' long approximately 10' deep and 15' wide. The contract was terminated at the end of Stage I, because the prospect did not look promising enough from the geological standpoint.

We wish to thank the field team for their assistance on the Grover Project. If further details are necessary, please contact us.

Very truly yours,

X Grover Grindstaff
Grover Grindstaff

P/J

First and Final Voucher.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October 1956 Docket No. DMEA 4248 Contract No. Idr-8 1016

Operator's Name Grover Grindstaff Minerals Mica

Address Route #3, Lakeresville, North Carolina

Contract Amount, $3,388.00 Government Participation: 75% Amount, $2,541.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
550cy Bulldozing @ $ 0.30	165.00		165.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	165.00		165.00	165.00		165.00

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

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

Date 11-2-56 *Payee Grover Grindstaff

Per X Grover Grindstaff Title Partner

*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:

$ 123.75

Signature Helen R. Miller
(Authorized Certifying Officer)

Date NOV 14 1956 Vou. No. 73
(See other side)

1 of 7

10/22
10/31

41.25

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Tm-E 1016 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Nov. 7, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

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

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

Month of October 1956 Docket No. DMEA 4248 Contract No. Idr-B 1016
Operator's Name Grover Grindstaff Minerals Mica
Address Route #3, Pakersville, 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								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
550 c.y. Filling @ $0.30	Co.Yds.	165.00	550	165.00	550	0.30	550	0.30
Total Distributed Costs		165.00		165.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		165.00		165.00				

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 11-2-56 Operator Grover Grindstaff

Per Grover Grindstaff Title Partner

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

Remarks:

(Instructions on reverse)

(For Government use only)

Lawrence E. Shirley - Mining Engr.
U.S.B.M. Nov. 7, 1956

INSTRUCTIONS

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

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

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

GPO 872894

OPERATOR'S

Monthly Progress Report

BMEA-#4248, Idm-E 1016

Grover Prospect

Work Accomplished:

We moved in a bulldozer and excavated a trench along the strike of the pegmatite. We did some extra bulldoxing on our own the trench was 125' long, approximately 10' deep, and 15' wide. The contract was terminated at the end of Stage 1, because the prospect did not look promising enough from the geological standpoint.

Daily Notes:

October 22 - 31 : We moved in a bulldozer and excavated a trench. Contract was terminated at this point, because it did not look promising.

4

INTERIM REPORT

DMEA-4248, Idm-ED16 (mica) GROVER PROSPECT

Operator: Grover Grindstaff, Route No. 3, Bakersville, North Carolina
Location: 0.63 airline miles N10°W from Wing, Mitchell County, North Carolina

The starting date on this contract is October 25, 1956. Stage I, consisting of trench excavation has been completed. The trench trends N50°E and is 125 feet long by 15 feet wide by an average depth of 5 feet. About 45 feet of irregular pegmatite has been exposed in the trench. The body strikes about N50°E, dips 30° to 45° SE and plunges about 15°SW. The body as now exposed appears to be an elliptical-shaped pod with no appreciable extent and does not warrant any additional exploration. At the contacts with country rock there is an extremely fine grained granitic zone followed by a mixture of feldspar, small quartz and green muscovite mica. Mica on the southwest end is badly stained, but is clear in a quartz-feldspar-mica occurrence on the northeast end.

The Field Examiners recommend that this contract be terminated with the completion of Stage I and that Stage II not be authorized.

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

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

October 30, 1956

RECEIVED
OCT 22 1956

October 19, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Signed Contract - Idm-E1016, DMEA-4248 (mica)
Grover Grindstaff, R#3, Bakersville, N.C.

H

Transmitted are three signed copies of the subject contract. The usual distribution of the other copies has been made by this office.

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

V. J. Lynch, Member
Bureau of Mines

ZM
Finance
Lynch
Shirley
Files

AUG 1 1956

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

Re: Docket No. SMRA-4248-mica
Grover Grindstaff
Grover Prospect
Mitchell County, North Carolina

Dear Mr. Lawrence:

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 (1 page), Exhibit "A" (2 pages), and map of the Grover Prospect. Two extra copies of Annex I, Exhibit "A" and the map are enclosed for the use of the Field Team. Also enclosed are seven copies of a new Consent to Lien containing an amended legal description of the property. Please have lessor execute these and attach to the contract before presenting it to the operator.

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

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

Copies of memoranda dated July 17 and 18, 1956, by Mr. H. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures: 19

Mr. Kook
Admr. R. File

9/28/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061

EXPLORATION PROJECT CONTRACT
GROVER GRINDSTAFF
DOCKET NO. DMEA-4248

EXHIBIT A

Description of the Work

The approximate location of the work is shown on the attached map entitled "Grover Prospect, Mitchell County, N. C. DMEA-4248 (Mica)".

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

Stage I

Excavate a trench along the strike of the pegmatite, having approximate dimensions of 99 feet by 15 feet by 10 feet but not exceeding 550 cubic yards of excavation, to establish strike length continuity.

Stage II

1. Bulldoze ~~Excavate~~ an access road having approximate dimensions of 400 feet by 12 feet ~~by 3 feet~~ but not exceeding 530 cubic yards of excavation.

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 3 feet by $2\frac{1}{2}$ feet.
   (c) An exploder storage magazine, minimum dimensions 2 feet by $1\frac{1}{2}$ feet by 1 foot.

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

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

September 17, 1956

Memorandum

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

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

Subject: Docket No. DMEA-4248 (Mica)
Grover Grindstaff, Bakersville, North Carolina
Grover Prospect, Mitchell County, North Carolina

Reference is made to your letter of September 13. We are at a loss to explain the failure to answer your letter of July 16; evidently it got mislaid and overlooked. We sincerely regret the long delay.

The enclosed copy of the sketch map shows the location of the stake. If the bulldozing is done, the stake will be moved, but the land description submitted by the Applicant on July 31 ties it to a recorded corner, so it could be re-set later, if desired.

The leased area is a 500-foot square, centering on the stake; thus, its borders would be 18 to 21 inches beyond the edge of the 1" = 10' scale map.

Possibly the map should have included more area, as the proposed 100 feet of bulldozer trench would extend quite a way beyond the edge of the map area. If the pegmatite has sufficient continuity in that direction, an adit can be started well down the hill. The "zero" altitude is an arbitrary datum; actually the hill descends at least 50 feet more in that direction. The adit could be slightly inclined if desired, but we doubt that the added expense involved in an inclined shaft would be justified. If the bulldozing does not show sufficient continuity of the pegmatite, then no Stage II work would be done.

Mr. Bergman discussed this proposal with Mr. Houk when he was in Washington last week.

Robert A. Laurence
Executive Officer

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

RAL/rg
cc - Oper. Comm. (3)
Lynch
Shirley
File

600

SEP 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-4218-mica
Grover Grindstaff
Grover Prospect
Mitchell County, North Carolina

Dear Mr. Laurence:

Reference is made to our letter dated July 16, 1956, on the subject property in which we requested additional map data and also asked for your comments on an alternate proposal. To date we have not had a reply to our request.

Kindly reply to our letter at your earliest convenience so that we may continue processing the subject application.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

JHopkins:ms 9/11/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Just return lease
al

RECEIVED
AUG - 6 1956

Spruce Pine, N. C.
July 31, 1956

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

Re: DMEA-4248, (Mica) Grover Prospect
Mitchell County, N. C.

Dear Mr. Laurence:

We wish to make an amended legal description for the Grover Prospect, DMEA-4248, to read as follows:

Beginning on an iron stake at the center of the Grover Prospect which is located approximately 600 feet North to a Hickory stump which is a corner in the property line between John Phillips and Paul and Gudger Fortner, as shown on deed recorded in Book No. 113, Page 68, in Register of Deeds Officer, Bakersville, N.C.; and running 250' North; thence 250' West; thence 500' South; thence 500' East; thence 500' North; thence 250' West to a point of closing. This property located about two miles West of C. R. Phillips' Store at Wing, N. C.

Very truly yours,

Grover Grindstaff
Grover Grindstaff

P/b

RECEIVED
AUG 3 - 1956
Geologic Division
Knoxville, Tenn.

RECEIVED
AUG - 6 1956

Spruce Pine, N. C.
July 31, 1956

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

Re: DMEA-4248, (Mica) Grover Prospect
Mitchell County, N. C.

Dear Mr. Laurence:

We wish to make an amended legal description for the Grover Prospect, DMEA-4248, to read as follows:

Beginning on an iron stake at the center of the Grover Prospect which is located approximately 600 feet North to a Hickory stump which is a corner in the property line between John Phillips and Paul and Gudger Fortner, as shown on deed recorded in Book No. 113, Page 68, in Register of Deeds Officer, Bakersville, N.C.; and running 250' North; thence 250' West; thence 500' South; thence 500' East; thence 500' North; thence 250' West to a point of closing. This property located about two miles West of C. R. Phillips' Store at Wing, N. C.

Very truly yours,

Grover Grindstaff
Grover Grindstaff

P/b

RECEIVED
AUG 3 - 1956
Geologic Division
Knoxville, Tenn.

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-4248 (mica)

Applicant: G. Grindstaff

Name and Location of Property: Grover Prospect, Mitchell County, N. C.

Date of Field Team Report: 7/2/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 7/12/56

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

Comments:

1. This deposit appears to have possibilities for the development of strategic mica if continuity of structure is proven.

2. Total estimated costs are in the amount of $3,677.00.

Recommendation:

I concur with the field team's recommendation for a unit-cost, 2-stage exploration contract.

Signed
W. F. Dietrich

JUL 3 0 1956

IN REPLY REFER TO:

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

July 17, 1956

JUL 18 1956

Re: DMEA 4248
Grover Grindstaff
Grover prospect
Mitchell Co., N. C.
Appl. Est. 6,000
Rec'd. Est. 3,677
Mica

Memorandum

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

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

Subject: Review of Field Team report

The applicant requested assistance in exploring a newly found pegmatite, exposed for a width of 2 feet, by bulldozing, a shaft, and drifting.

The examiners found the pegmatite exposed for a strike length of 30 feet and over a width of 5 feet. No muscovite was to be seen in place, but 50 pounds had been recovered from about 2 cubic yards of rock trenching. Based on the mica production and the aspect of the pegmatite the examiners recommend approval of a 2 stage work program consisting of bulldozing and drifting at an estimated cost of $3,677.00.

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

N. E. Nelson

N. E. Nelson

NENelson:btr
C 7/17/56

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

JUL 16 1956

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

Re: Docket No. DMEA-4248-mica
Grover Grindstaff
Grover Prospect
Mitchell County, North Carolina

Dear Mr. Lawrence:

Reference is made to the Field Examination Report dated July 2, 1956, on the subject property.

We are returning one copy of the map because it does not contain a tie-in to a property corner. Please mark on the map the location of the iron stake referred to in the land description and return to us. Also, please furnish a location map showing the outline of the leased area related to the location of the proposed DMEA work.

We note that the proposed work consists of a strike trench on the slope of a relatively low hill to be followed by an adit drift, if strong continuity of the pegmatite is established. The topography shown by your contour lines, indicates that a maximum depth of around 30 to 35 feet would be attained under the crest of the hill by driving an adit drift. However, a longitudinal section indicates to us that a shaft--vertical or incline--would be the most feasible method of exploration if trenching establishes reasonable continuity. May we have your comments on this suggestion? If you agree, please send us an alternate proposal embodying shaft sinking and drifting from the shaft, following trenching.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosure

JHopkins:ms 7/12/56

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

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

July 5, 1956

Memorandum

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

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

Subject: DMEA-4248 - Field Examination Report
Grover Grindstaff, Route 3, Bakersville, N. C.
Grover Prospect, Mitchell County, North Carolina

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

This pegmatite, essentially a new prospect, has yielded some good mica and might contain significant reserves if it has any continuity. Therefore, we recommend approval of a two-stage exploration contract as outlined in the report. If the bulldozing indicates a sufficient target, the Stage II adit work would be justified.

Robert A. Laurence
Executive Officer

V. J. Lynch, Member
Bureau of Mines

RECEIVED
JUL 9 - 1956

RAL/mg
Enclosures 13
cc
Operating Committee (3)
Lynch
Shirley
files

Reviewed by
DMEA OPERATING COMMITTEE

(date)

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT

On

DMEA-428 (mica) GROVER PROSPECT
Mitchell County, N. C.

By

S. G. Bergmann, Geologist
U. S. Geological Survey

and

A. L. Payton, Mining Engineer
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE

(date)

RECEIVED
JUL 9 - 1956

July 2, 1956

FIELD EXAMINATION REPORT

On

DMEA-4248 (mica) GROVER PROSPECT
Mitchell County, N. C.

Summary

A soft weathered, relatively fine-grain, mica-bearing pegmatite has been surficially exposed by several small pits. The structure is possibly of partial replacement origin. About 50 pounds of rather good quality green muscovite has been recovered from about 2-cubic yards of trench. The examiners recommend a 2-stage exploration program based on the observed quality of recovered mica and the possibility of a fairly large structure.

Location:

The Grover Prospect is 0.63 airline miles N 10° W from Wing, Mitchell County, N. C., on the southeastern slope of Big Ridge at the southern extremity of Burns Mountain (Micaville Quadrangle, TVA Ed. 1934, 1:24,000).

Introduction

The Field Examiners were accompanied by Mr. Grover Grindstaff, Mr. Cecil Phillips, and Mr. George McClelland on the examination which took place April 23, 1956. No previous contact has been had with the applicant, but he seems to have had wide experience in the mica mining industry.

Access is by a short jeep road from the hard surfaced Snow Creek Road to within 400 feet of the Prospect. No buildings, equipment, or supplies are presently at the site.

Geology

About 30 strike length feet of fine grained mica-bearing pegmatite has been previously exposed by a shallow pit and shallow caved shaft. The exposed conformable hanging wall contact has an attitude of N 45° E 40° SE. At least a 5-foot width of pegmatite is exposed with no footwall showing. An upward termination is evidenced by the general disintergration of the structure at the surface. There is a number of small irregular pillow-shaped blebs of partially pegmatized material in the upper part of the exposure, that show a residual micaceous foliation oriented with the wall rock. The material is conformably to disconformably enclosed in a highly weathered earthy brown mica schist. No muscovite was left in place for the examiners to see, but about 50 pounds had been recovered from about 2 cubic yards of the recent trenching. Visual inspection of the muscovite indicated it was flat, clear green colored, about 3 inches in diameter, and free from mineral intergrowths of any kind.

Recommendations:

There is a good indicated mica potential, but continuity of structure is obscure. On that basis, the examiners suggest that preliminary bulldozing be done to determine if Stage II underground work is justified. It is recommended that Stage II work consist of 100 feet of adit from the lowest down hill position established by the bulldozing.

Estimated Costs:

Stage I

Bulldoze a trench along trench along strike from the present

exposure, northeast and downhill to establish strike length continuity in that direction. Use D-6 tractor or equivalent.

~~100'~~ 99 x ~~15'~~ 5 x 10' deep, ~~555~~ 550 cu. yds @ $0.30/yd ~~$165.00~~ 165.00

Stage II

Build 400 feet of road using a D-6 tractor or equivalent 400' x 12' x 3' deep, 530 cu. yds @ $0.20/cu. yd ~~$105.00~~ 106.00 106.00

Toolhouse	76.00	76.00
Powder magazine	25.00	25.00
Exploder magazine	14.00	15.00
		117.00

Drive 100 ft of adit, drift and/or crosscut, (50 shifts) 45 shifts

Labor:

1 - Miner @ $1.50/hr. 12 x 45	600.00	540.00
2 Laborers @ 1.00/hr. 16 x 45	800.00	720.00

Equipment (rental)

Compressor, drill & Jacklog @ $250/Mo. 2½ @ 250.00	625.00	560.00

Supplies:

Explosives	310.00
Drill steel	200.00
Gasoline and oil	200.00
Timber, 3,000 b.f. @ $65/M	195.00
Miscellaneous, small tools, etc.	150.00
Liability Insurance	140.00
Social Security	42.00
Sales Tax	30.00

1267.00
3237.00

Total estimated cost Stage II ~~$3512.00~~

Total estimated cost of Stages I and II..... ~~$3677.00~~ $3288.00

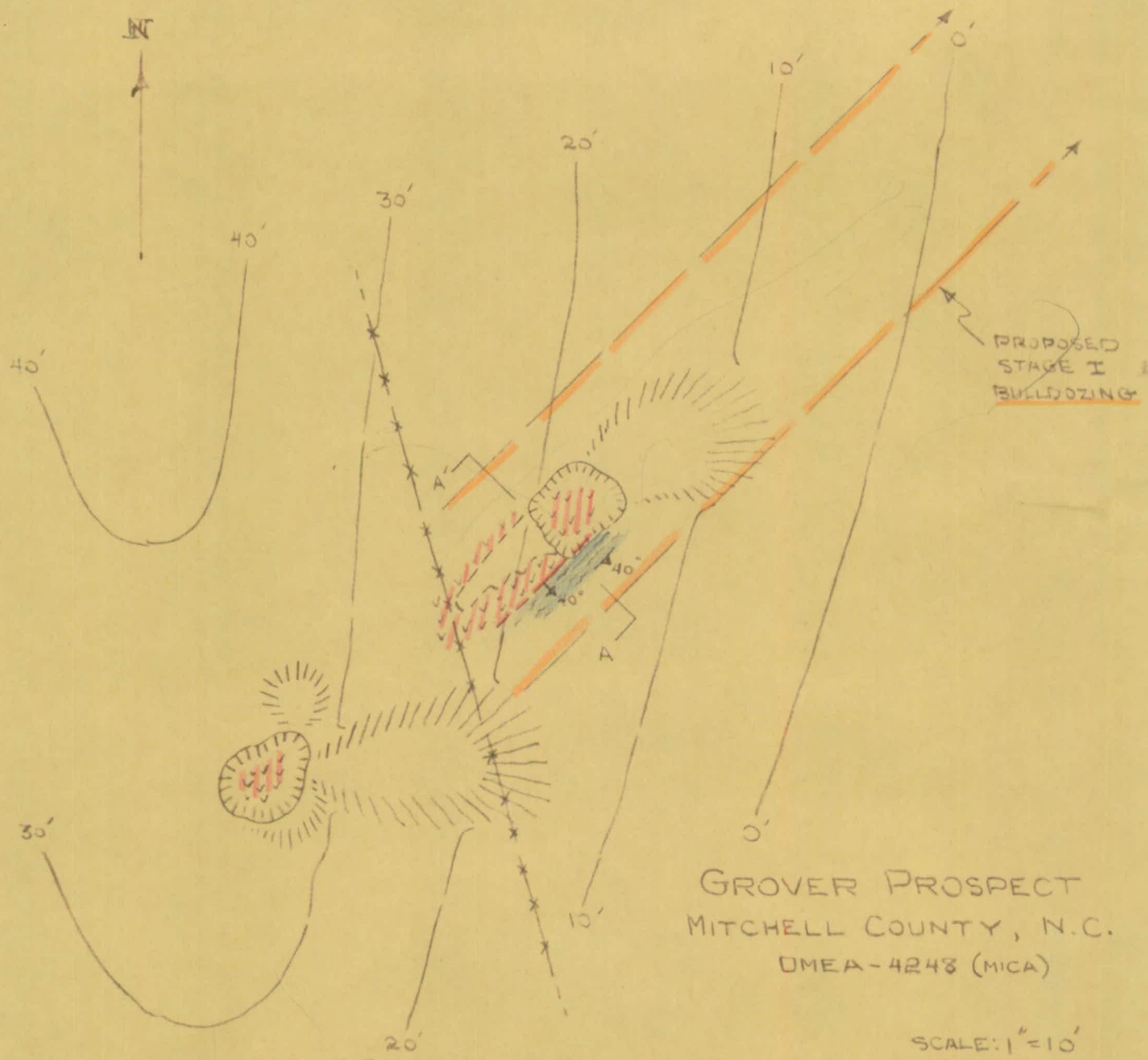
Cost of 100 ft of drift ~~$3292.00~~ or $32.92/ft. 3087.00 30.00 say

Gov. Cost $2544.00

July 2, 1956

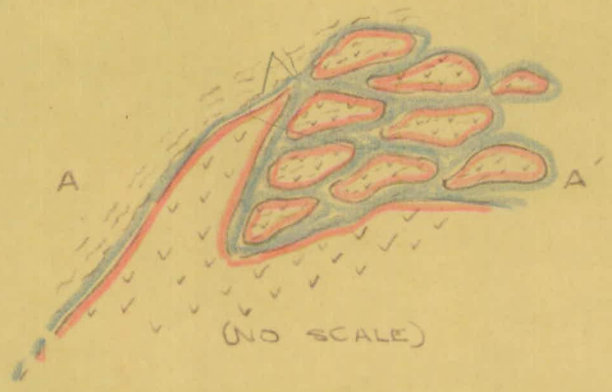
S. C. Bergman, Geologist, USGS

A. L. Peyton, Mining Engineer, USBM



GROVER PROSPECT
MITCHELL COUNTY, N.C.
UMEA-4248 (MICA)

SCALE: 1" = 10'



LEGEND

- A - PEGMATITE
- A - MICA GNEISS AND SCHIST
- PITS AND TRENCHES
- DUMP
- FENCE

6/56

RECEIVED
JUL 9 - 1956

[redacted]

APR 2 6 1956

Mr. George Spindloff
Route #3
Mebane, North Carolina

Re: Docket No. [redacted]
George Spindloff
Grover Prospect
Mitchell County, North Carolina

Dear Mr. Spindloff:

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

Stephenson 4/23/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Killingsord, 5522
Mr. Diehrich, 5061
Mr. Hook
Mr. Stephens
Admr. R. File

600

APR 26 1956

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

Re: Docket No. DMEA-4240-Mica
Grassy Grindstaff
Grassy Prospect
Mitchell County, North Carolina

Dear Mr. Lawrence:

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

Copies of memoranda dated April 26 and 18, 1956, by Mr. R. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures: 4

JHopkins:ms 4/23/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 3222
Mr. Dietrich, 3061
Mr. Hook
Mr. Hopkins
Admr. R. File

Memorandum April 21, 1956

To Files

From James Hopkins

Subject Evaluation of Application

Docket No DMEA 4248

Grover Grindstaff

Grover Grosspect

Mitchell County North Carolina

This is an ordinary type of application from North Carolina. also little information is given that the merits of the ~~B~~ foot pegmatite cannot be judged without a field examination

Since an apparently new and unworked pegmatite is exposed a field examination is warranted

James Hopkins

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

April 18, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4248 (mica)

Applicant: G. Grindstaff

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

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 4/13/56

Comments:

1. No data available in this office on subject mine.

2. Applicant states a 2-foot pegmatite is visible.

3. Total estimated costs are in the amount of $6,000.00.

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

IN REPLY REFER TO:

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

RECEIVED
APR 17 1956

April 16, 1956

Re: DMEA 4248
Grover Grindstaff
Grover prospect
Mitchell Co., N. C.
$6,000 - Mica

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring a 8-foot pegmatite believed, by the applicant, to contain ruby mica.

The proposed work consists of:—

Bulldozing	20 hours	$ 200.00
Shaft	60 feet	3,000.00
Drift	80 feet	2,800.00
	Total	$6,000.00

Referral to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
0-4/16/56
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061