DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4449

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(Withdrawn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

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

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

Left Side

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

Right Side

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

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

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

Left Side

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

Right Side

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

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

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-E1042, Docket DMEA-4449 (mica), dated November 28, 1956, with

Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Boone Prospect and Phillips Property located in Mitchell County, North Carolina, during the period June 16, 1960, through December 12, 1964.

A certification of discovery or development was issued on January 27, 1958, and, in accordance with Article 6 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 10 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. A Report of Review dated August 5, 1957, indicated accepted costs under the exploration contract amounting to $5,552.00 with the Government's contribution on a 75 percent basis being $4,164.00.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review which found the sales subject to the Government's royalty through June 15, 1960, to be $8,856.16. The royalty account as of June 15, 1960, was:

Total Royalty Payable	$442.88
Total Royalty Paid	411.76
Balance of Royalty Due	$ 31.12

As of December 12, 1964, the royalty account of this project was found to be:

Total Royalty Payable	$442.88
Total Royalty Paid	442.88
Balance of Royalty Due	$ -0-

C. E. Fisher

December 17, 1964

C. E. Fisher, OME Auditor

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

Under the provisions of this exploration project contract the Operator, as principal if the producer or as surety if not the producer, is obligated to pay the Government a percentage royalty on all minerals produced from the land under the contract. At the time the contract was executed the Operator was in possession of the 500' x 500' tract by virtue of an October 22, 1956, mining lease from F. O. Phillips of Spruce Pine, North Carolina. The lessor signed a Consent to Lien and Subordination Agreement on October 22, 1956, as an inducement for the Government to enter into the contract.

The exploration work under the contract was completed on June 14, 1957, and mining operations ceased on October 15, 1957. Production from the exploration and subsequent work resulted in proceeds of $8,856.10 from sales of 411.87 lbs. of sheet mica and 12,885 lbs. of hand-cobbed mica to the G.S.A. Mica Purchase Depot, and a single sale on July 22, 1957, of 4,000 lbs. of scrap to The English Mica Company. These sales were covered in a Report of Royalty Review dated March 13, 1958, and the strategic mica sales were checked against the purchase records of the Depot. This prior review found a balance of $31.12 in royalty due the Government. The Operator paid this sum during March 1958.

Examinations of this property on March 25, 1958, January 29, 1959, and November 5, 1959, found no signs of activity since October 15, 1957. The property also is included in a Region IV listing of projects "checked at the Government Purchasing Depot, Spruce Pine, N. C., or by contacting the Operators or by inquiring in and around the vicinity" and found inactive on June 13 through 15, 1960.

A check of the records of the Spruce Pine Mica Purchase Depot by this auditor in June 1962 failed to disclose any sales to that Depot on which royalty had not been paid to the Government. Also, the landowner, F. O. Phillips, has advised OME that there has been no production from the property between October 1957 and December 12, 1964.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The files indicate that the property was inactive during the period covered by this review;

(2) All sales of strategic mica have been reported and proper royalty thereon paid; and
(3) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-E1042, Docket DMEA-4449 (mica), dated November 28, 1956, with

Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Boone Prospect and Phillips Property located in Mitchell County, North Carolina, during the period February 20, 1958, through June 15, 1960.

A certification of discovery or development was issued on January 27, 1958, and, in accordance with Article 6 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 10 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. A Report of Review dated August 5, 1957, indicated accepted costs under the exploration contract amounting to $5,552.00 with the Government's contribution on a 75 percent basis being $4,164.00.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review which found the sales subject to the Government's royalty through February 19, 1958, to be $8,856.16. The royalty account as of February 19, 1958, was:

Total Royalty Payable	$442.88
Total Royalty Paid	411.76
Balance of Royalty Due	$ 31.12

As of June 15, 1960, the royalty account of this project was found to be:

Total Royalty Payable	$442.88
Total Royalty Paid	442.88
Balance of Royalty Due	$ -0-

February 13, 1962

E. D. Talbert, OME Auditor

Idm-E1042 Clifton D. Buchanan DMEA-4449

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

Under the provisions of this exploration project contract the Operator, as principal if the producer or as surety if not the producer, is obligated to pay the Government a percentage royalty on all minerals produced from the land under the contract. At the time the contract was executed the Operator was in possession of the 500' x 500' tract by virtue of an October 22, 1956, mining lease from F. O. Phillips of Spruce Pine, North Carolina. The lessor signed a Consent to Lien and Subordination Agreement on October 22, 1956, as an inducement for the Government to enter into the contract.

The exploration work under the contract was completed on June 14, 1957, and mining operations ceased on October 15, 1957. Production from the exploration and subsequent work resulted in proceeds of $8,856.10 from sales of 411.87 lbs. of sheet mica and 12,885 lbs. of hand-cobbed mica to the G.S.A. Mica Purchase Depot, and a single sale on July 22, 1957, of 4,000 lbs. of scrap to The English Mica Company. These sales were covered in a Report of Royalty Review dated March 13, 1958, and the strategic mica sales were checked against the purchase records of the Depot. This prior review found a balance of $31.12 in royalty due the Government. The Operator paid this sum during March 1958.

Only one ~~sale of~~ scrap and none of punch have been reported. The files indicate that the Operator stockpiled both. The prior Report of Royalty Review recommended inquiry as to disposition of the project's scrap and punch. This recommendation is repeated.

Examinations of this property on March 25, 1958, January 29, 1959, and November 5, 1959, found no signs of activity since October 15, 1957. The property also is included in a Region IV listing of projects "checked at the Government Purchasing Depot, Spruce Pine, N. C., or by contacting the Operators or by inquiring in and around the vicinity" and found inactive on June 13 through 15, 1960.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The files indicate that the property was inactive during the period covered by this review;
(2) All sales of strategic mica have been reported and proper royalty thereon paid; and
(3) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the records of the Executive Officer, DMEA Field Team, Region V, Knoxville, Tennessee, pertaining to Contract Idm-E1042, Docket No. DMEA-4449 (Mica), dated November 28, 1956, with

Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

for the purpose of determining the amount of royalty due the U. S.Government on sales of mica from property referred to as Boone Prospect, located in Mitchell County, North Carolina, during the period November 28, 1956, to February 19, 1958.

A certification of discovery or development was issued on January 27, 1958, and, in accordance with the contract, royalty is payable on the net proceeds realized from production as a result of such discovery or development during a period of 10 years from the date of the contract or until the amount of the Government's contribution to exploration costs has been repaid, without interest, whichever occurs first. A report of review in lieu of final audit dated August 5, 1957, indicated accepted costs under the exploration contract amounting to $5,552.00 with the Government's contribution, on a 75 percent basis, being $4,164.00. The scope of the present royalty review and the reasons therefor are stated on Schedule "A" attached.

The review established the total sales of mica to be $8,856.16. Royalty due the Government at the contract rate of 5 percent is $442.88. The royalty paid and balance due are as follows:

Total Royalty Due	$442.88
Total Royalty Paid	411.76
Balance of Royalty Due per Schedule "A"	$ 31.12

C. E. Fisher

March 13, 1958

C. E. Fisher, Auditor

Schedule "A"

CONTRACT IDM-E1042, DOCKET NO. DMEA-4449 (MICA)

Report of Royalty Review

This review was limited to the listing of sales of sheet and hand-cobbed mica to the Mica Purchase Depot, Spruce Pine, North Carolina, and scrap to English Mica Company as indicated by the records of the DMEA Region V office in connection with production from Boone Prospect on which royalty was paid. Such list, which is filed with my audit work papers, was also checked with the purchase records of the Depot. A summary of the indicated production, sales, and royalty paid to the Government follows:

Item	Production (Pounds)	Sales
Sheet mica	411.87	$6,045.16
Hand-cobbed mica	12,885.00	2,751.00
Scrap mica	4,000.00	60.00
Totals	17,296.87	$8,856.16
Royalty Due @ 5%		$ 442.88
Royalty Paid		411.76
Balance Due (Per detail)		$ 31.12

Detail of Balance Due

Lot No. 42 9/25/56			
Hand-cobbed	$219.00		
Lot No. 322 10/29/56			
Sheet mica	293.44		
Total sales	$512.44		
Royalty Due @ 5%		$25.62	
Royalty Paid 2/3/58		21.45	
Balance Due			$ 4.17
Lot No. 68 10/20/56			
Hand-cobbed	$340.66		
Lot No. 482 1/15/58			
Sheet mica	198.33	$538.99	26.95
Balance of Royalty Due			$31.12

The only sale of scrap mica on which royalty has been paid was made in July, 1956. It is recommended that the regional office ascertain whether subsequent sales have been made of scrap or punch mica on which royalty is due.

An on-site royalty audit was not made at this time because the administrative cost to the Government would be excessive in relation to the amount of possible additional royalty which might be disclosed.

Check Sheet of Examining Engineer

Operator's Name Clifton D. Buchanan

Address P.O. Box 218
Spruce Pine, North Carolina

Boone Prospect, Mitchell County, N.C.

Exploration Contract No. Idm-E1042 Docket No. DMEA-4449

	Check One Yes	No
1. (a) Does the Operator stockpile ore subject to royalty repayment?		x
(b) If so, is segregation and identification procedure adequate?		
2. (a) Does Operator commingle production subject to DMEA royalties with exempt production?		x
(b) If so, do you consider the allocation of the commingled production equitable?		
3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?	x	
(b) If so, are adequate records maintained on such material to protect the Government's interest?	x	
4. Do you consider the assay controls in effect are adequate?	x	
5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	x	
6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?	x	
7. Does the Operator buy from or sell to other Operators?		x

8. Comment on any item 2 (b) to 6 if answer is No.

3.(a) Operator stockpiles mica scrap ~~in~~ until a sufficient amount is obtained to make a sale.

W. A. Beck, Mining Engineer

Date 2-19-58

82448

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

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Pursuant to the provisions of Exploration Project Contract No. Idm-E1042, dated November 28, 1956, Docket No. DMEA-4449, hereinafter called the "contract", between Clifton D. Buchanan and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

Shaft sinking and drifting exposed a zoned pegmatite emplaced in a coarse grained quartz-monzonite or granodiorite ("alaskite"). Sufficient data were obtained to calculate indicated and inferred reserves of strategic mica.

THE UNITED STATES OF AMERICA

By C A Mitteudorf
Administrator, Defense Minerals
Exploration Administration

Dated JAN 27 1958

WCAnderson:gad 1/27/58
Copy to: Admr. R. File
Mr. Johnson
Mr. Chambers
Mr. Lamb, 3649
Finance Office
Mr. C. A. Fredell, GSA
Operating Committee
Mr. Kiilsgaard, 5222
Field Team, Region V
Mr. Houk
Mr. F. O. Phillips
Spruce Pine, N. C.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Clifton D. Bushemen
Box 218
Spruce Pine, North Carolina

pertaining to Exploration Project Contract No. Idm-E1042, DMEA No. 4449, including Amendment No. 1, for the months of February 1957 to June 1957, inclusive, covering a project for the exploration of mica on property, known as the Beene Prospect located in Mitchell County, North Carolina.

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

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

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

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

Total cost as billed by Contractor		$5,552.00
Exceptions:		
Prior to this review	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$5,552.00

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

$4,164.00

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

E. D. Talbert, Auditor

August 5, 1957

Docket Copy

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE

EXPLORATION PROJECT CONTRACT

DMEA-4449, Idm-E1042-Mica BOONE PROSPECT

AMENDMENT No.1

It is agreed this 25 day of February 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Clifton D. Buchanan, an individual, that exploration Project Contract Idm-E1042,(Docket No. DMEA-4449) dated November 28, 1956, be amended as follows:

ARTICLE 1....."The Operator shall begin work on or before February 15, 1957, and subject to the provisions of Article 7 and Exhibit A, shall complete the work within seven months from the date of the contract, " instead of beginning work on or before January 15, 1957 as first written.

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

CLIFTON D. BUCHANAN

Clifton D Buchanan
Operator.

THE UNITED STATES OF AMERICA

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

Docket copy

MF-200A
(Rev. April 1956)

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

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

DMEA No.	*Commodity*	*Contract No.*	*County*	*State*
4449	Mica	*Idm–E* 1042	Mitchell	North Carolina

NOV 2 8 1956

It is agreed ....., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and CLIFTON D. BUCHANAN

whose mailing address is Box 218
Spruce Pine, 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 JAN 1 5 1957, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within seven months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $5,552.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $4,164.00, 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: Interest of landowner.

(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 and Subordination Agreement 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.

Clyton D Buchanan

CLYPTON D. BUCHANAN
(Operator)

By .....

.....

THE UNITED STATES OF AMERICA

By C. Mittendorf
Administrator, Defense Minerals
Exploration Administration

"Appd. Sol. Off."

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
DEC 21 1956
D.M.E.A.

EXPLORATION PROJECT CONTRACT
CLIFTON D. BUCHANAN
DOCKET NO. DMEA-4449

ANNEX I

The land referred to in Article 2 consists of 250,000 square feet located 2.3 airline miles southwest of Spruce Pine, Mitchell County, North Carolina, and is particularly described as follows:

> Beginning on an iron stake in the center of what is known as the Boone Prospect which is located 467' North 32 degrees East to a concrete marker which is a corner in the property line between F. O. Phillips and Kelly Poteat, as shown on deed recorded in Register of Deeds Office in Bakersville, N. C., Book #110, Page #212, and running 250' North; thence 250' West; thence 500' South; thence 500' East; thence 500' North; thence 250' West to a point of closing.

The Operator is in possession and has the right to possession for a five-year period, renewable, pursuant to a lease from F. O. Phillips dated October 22, 1956.

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

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E 1042
Contract Date Nov 28 1956

RECEIVED NOV 1 1956 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell State of North Carolina, described as follows: 2/

Beginning on an iron stake in the center of what is known as the Boone Prospect which is located 467' North 32 degrees East to a concrete marker which is a corner in the property line between F.O. Phillips and Kelly Poteat, as shown on deed recorded in Register of Deeds Office in Bakersville, N.C. Book #110, Page #212, 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 approximately three miles South West of Spruce Pine, North Carolina.

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 22nd. day of October, 196__.

[illegible]	[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]

EXPLORATION PROJECT CONTRACT
CLIFTON D. BUCHANAN
DOCKET NO. DMKA-4449

EXHIBIT A

Description of the Work

The approximate location of the work is shown on the attached maps entitled "Map No. 1, DMKA-4449 - Mica, Boone Prospect, Mitchell Co., N. C.," and "DMKA-4449 - Mica, Map No. 2, Boone Prospect, Mitchell Co., N. C." The work consists of the following:

1. Sink 60 feet of two-compartment shaft.

2. Drive 80 feet of drifts from the shaft.

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

3. Construct a toolhouse, minimum dimensions 7 feet by 8 feet by 10 feet.

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

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

All workings shall be on the pegmatite or in as close proximity thereto as possible.

Fixed Unit Costs

1.	60 feet of shaft @ $46.60/ft.	$2,796.00	
2.	80 feet of drifts @ $33.50/ft.	2,680.00	
3.	Construct toolhouse	76.00	
	Estimated Total Cost of Project		$5,552.00
	Government Participation @ 75%		$4,164.00

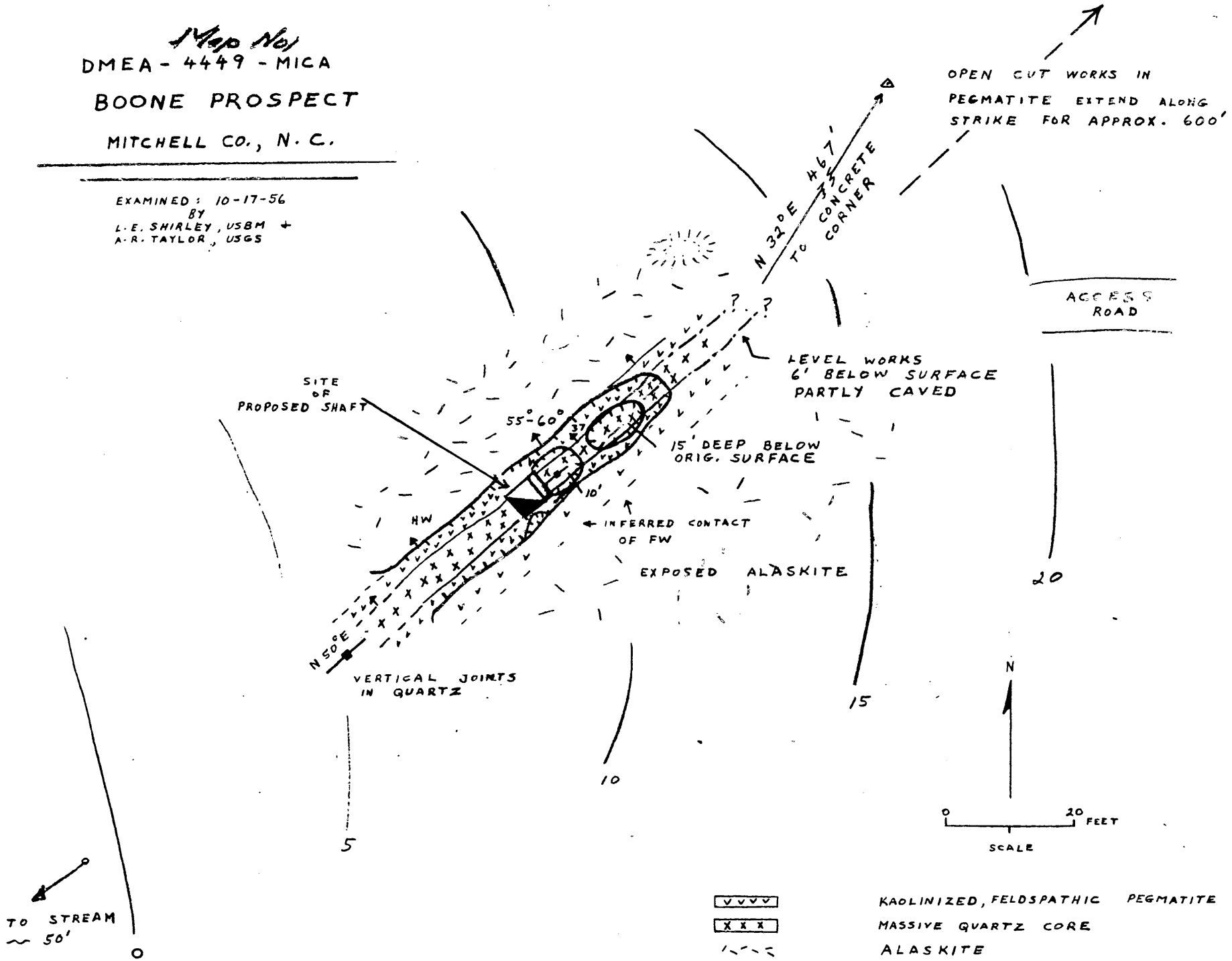
Map No.

DMEA - 4449 - MICA

BOONE PROSPECT

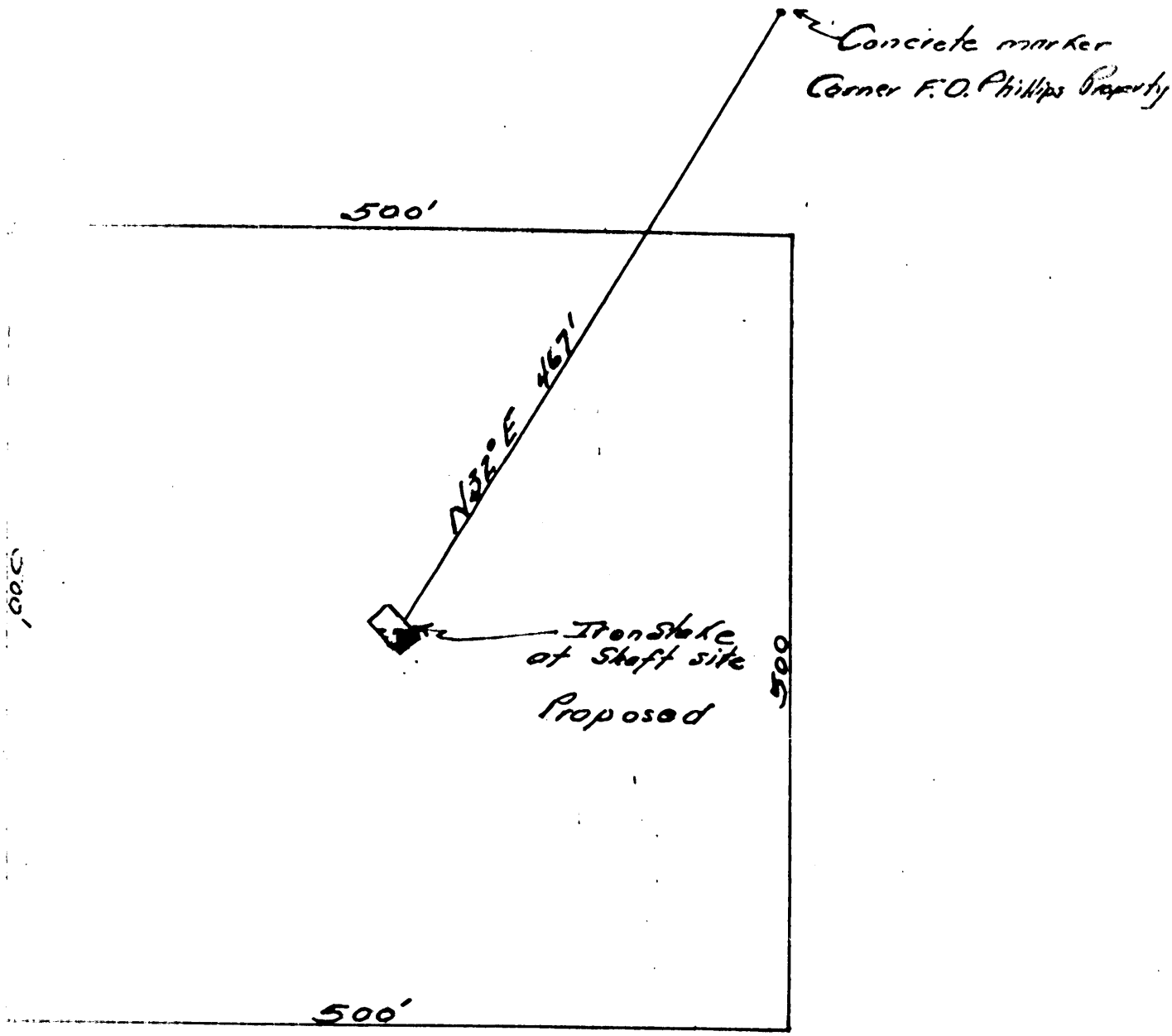
MITCHELL CO., N. C.

EXAMINED: 10-17-56
BY
L. E. SHIRLEY, USBM +
A. R. TAYLOR, USGS



10-23-56 ART.

RECEIVED
DEC 21 1956
DMEA



DMEA-4449 Mica Map No 2

Boone Prospect

Mitchell Co. N.C.

Scale 1" = 500 feet

Government's copy

MF-200A
(Rev. April 1956)

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

DMEA No.	*Commodity*	*Contract No.*	*County*	*State*
4449	mica	*Idm–E*	Mitchell	North Carolina

It is agreed ....., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and CLIFTON D. BUCHANAN

whose mailing address is Box 218
Spruce Pine, 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 ....., and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within seven months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $5,476.00 5557.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $4,107.00 4164.00, 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: Interest of landowner.

(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 and Subordination Agreement 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.

EXPLORATION PROJECT CONTRACT
CLIFTON D. BUCHANAN
DOCKET NO. DMEA-4449

2.3

two and three tenths airline

ANNEX I

250,000

The land referred to in Article 2 consists of ~~500~~ square feet located ~~approximately three~~ miles southwest of Spruce Pine, Mitchell County, North Carolina, and is particularly described as follows:

> Beginning on an iron stake in the center of what is known as the Boone Prospect which is located 467' North 32 degrees East to a concrete marker which is a corner in the property line between F.O. Phillips and Kelly Poteat, as shown on deed recorded in Register of Deeds Office in Bakersville, N.C., Book #110, Page #212, and running 250' North; thence 250' West; thence 500' South; thence 500' East; thence 500' North; thence 250' West to a point of closing.

The Operator is in possession and has the right to possession for a five-year period, renewable, pursuant to a lease from F. O. Phillips dated October 22, 1956.

3 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.

EXPLORATION PROJECT CONTRACT
CLIFTON D. BUCHANAN
DOCKET NO. DMEA-4449

EXHIBIT A

Description of the Work

The approximate location of the work is shown on the attached maps entitled "Map No. 1, DMEA-4449 - Mica, Boone Prospect, Mitchell Co., N. C.," and "DMEA-4449 - Mica, Map No. 2, Boone Prospect, Mitchell Co., N. C.". The work consists of the following:

1. Sink 60 feet of two-compartment shaft.

2. Drive 80 feet of drifts. from the Shaft

3. Construct

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

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

All workings shall be on the pegmatite or in as close proximity thereto as possible.

Fixed Unit Costs

1.	60 feet of shaft @ $46.60/ft.	$2,796.00	
2.	80 feet of drifts @ $33.50/ft.	~~$2,680.00~~	$
3.	Construct Toolhouse	$76.00	5,552.00
	Estimated Total Cost of Project		~~$5,476.00~~
	Government Participation @ 75%		~~$4,107.00~~
			$ 4164.00

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

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

RECEIVED
AUG 31 1956

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of Mitchell, State of North Carolina, described as follows: 2/ Beginning on an iron stake in the center of what is known as the Boone Prospect which is located 467' North 12 degrees East to a concrete marker which is a corner in the property line between F.O. Phillips and Kelly Poteat as shown on deed recorded in Register of Deeds Office in Bakersville, N.C., Book #110, Page #212, 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 approximately three miles South West of Spruce Pine, North Carolina.

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 29th day of August, 1956.

_____ [Seal] _____ [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]

MINING LEASE

State of North Carolina Mitchell County:

This indenture made this 22 day of ~~Nov~~ October, 1956, ~~1956~~,

between F.O. Phillips

of Mitchell County and State of North Carolina as party of the first part, and known as lessor, and Clifton D. Buchanan

of Mitchell County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the part of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written to wit:

Beginning on an iron stake in the center of what is known as the Boone Prospect which is located 467' North 32 degrees East to a concrete marker which is a corner in the property line between F.O. Phillips and Kelly Poteat, as shown on deed recorded in Register of Deeds Office in Bakersville, N.C., Book #110, Page #212, 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 approximately three miles South West of Spruce Pine, North Carolina.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operatins during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have the right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part of the first part, or his or their heirs or assigns, a rental royalty of 1/8 (One-Eighth)

on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the party of the first part or by the continuation of any mining operations then being conducted. The lessor reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real estate described and set forth in this lease for a total purchase price of _____, said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor. The lessee agrees that during the period of this lease or the continuance of this lease work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness: F O Phillips (Seal)

_____ (Seal)

Kenneth McKinney
Notary Public
My Comm Expires 8/17/57

_____ (Seal)

RECEIVED 1 1956 U.M.E.A.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 22-R1035.2.

RECEIVED
AUG 31 1956

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

Not to be filled in by applicant

Docket No. 4449
Metal or Mineral Mica
Date Received 8-31-56
Estimated Cost $6300
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: [redacted] Buchanan
[redacted]
Spruce Pine, N.C.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Legal description given on lease.

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it Do not own land.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None

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

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

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

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

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

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

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

(*c*) The work will start within 30 days and be completed within ..... months from the date of an exploration project contract.

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

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

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

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

(*c*) *Operating materials and supplies.*—Furnish an itemized list, includ[redacted]ment costing less than $50 each, and power, water and fuel.

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated August 29, 1956

Clifton D. Buchanan
(Applicant)

By Clifton D. Buchanan

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

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

RECEIVED
AUG 3 1 1956

MF-103 (Continuation Sheet)

4. (a) This mine has been worked some , applicant has no interest in previous operations.

(b) Some good mica has been recovered, no records of amounts are available.

((c) There is an out cropping of vein, and we believe that with exploration work a lot of (Non-Ruby) green mica will be recovered.

(d) Project is accessible to roads and shipping.

(e) Manpower, equipment and supplies are available. Power is 100 yds. away.

5. (b) We propose to sink a 5' x 7' Shaft 70 feet deep; then drift with vein a distance of 80 feet.

6. Total estimate of costs:

70' Shaft @ $50.00 per. ft.	$ 3500.00
80' Drift @ $35.00 per. ft.	2800.00
Total estimated cost of project:	$ 6300.00

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:	DATE	INITIALS
1. Mr. Fumich		
2. Mr. Johnson	12/18	
3. ~~Mr. Selfridge~~		
4. Mr. Murphy	12/21	
5.		
FROM: C. E. Fisher	12/18	

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

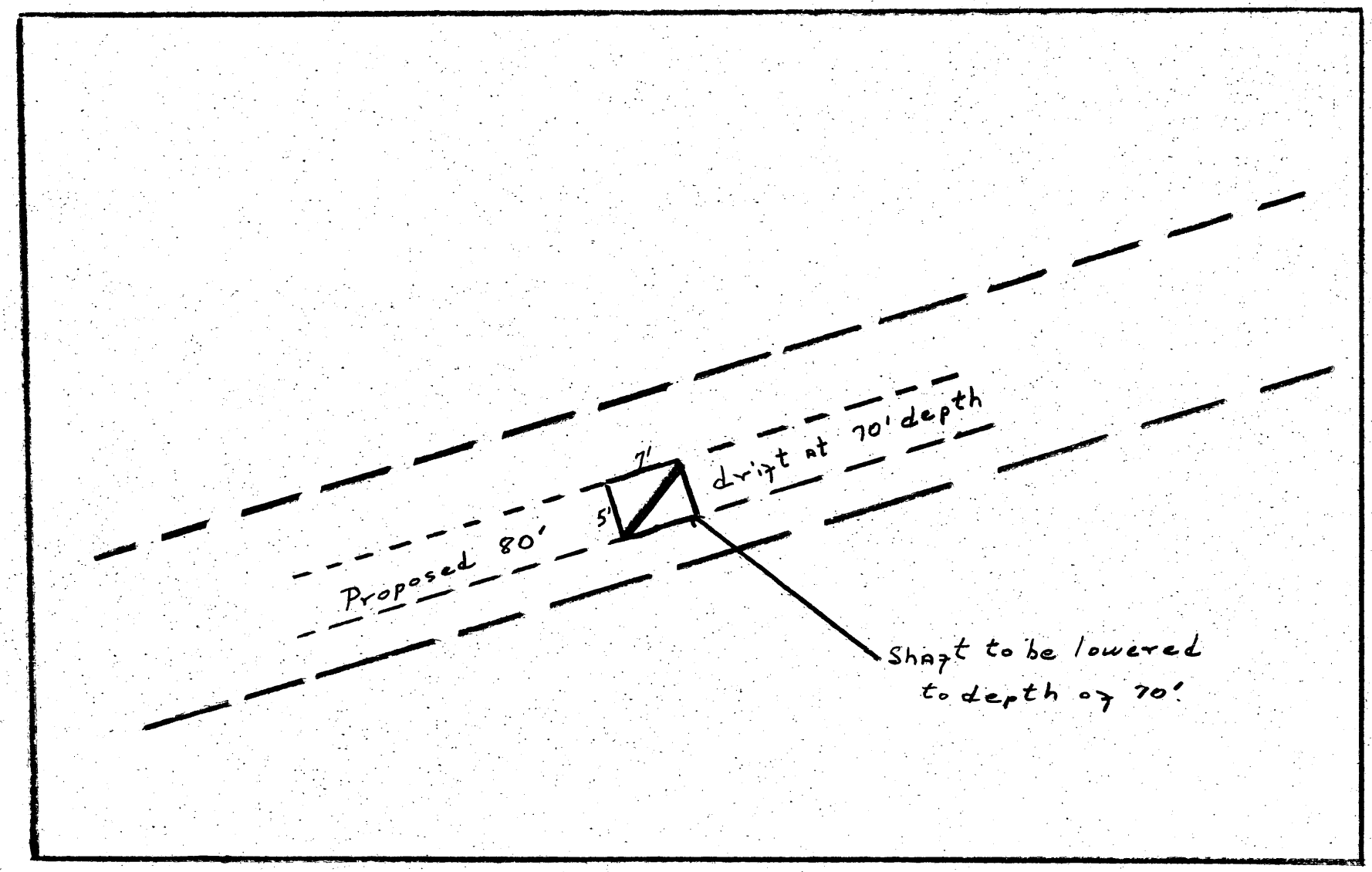
____ Instructions ____ Your information

REMARKS:

RECEIVED
AUG 3 1 1956

Boone Prospect

Mitchell County
N.C.



U. S. Government Messenger Envelope

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

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

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
MRS McDonald Rm 3205 GSA	RUN STOP	~~Dora Conklin~~ ~~TEPCO GSA Bldg~~ ~~Rm 3211 GSA Bldg~~	RUN STOP
~~[illegible]~~ ~~Rm. 3217 GSA Bldg.~~	RUN STOP	Louis Brown Maple Acom Bldg Silver Spr., Md	RUN STOP
~~[illegible]~~	RUN STOP		RUN STOP
~~[illegible]~~	RUN STOP	~~Mr J. L. Hamel~~ ~~Rm 5230 GSA Bldg~~	RUN STOP
~~[illegible]~~	RUN STOP	~~Brian Ward~~ ~~Longfellow~~	RUN STOP
~~[illegible]~~	RUN STOP	~~[illegible]~~ ~~Rm 2123~~	RUN STOP
Mr. Potter ~~Rm 4292~~ ~~Budget & Fiscal Office~~	RUN STOP	Mr H. L. Fleming #4219. G.S. Bldg	RUN STOP
~~Mr B Hamilton~~	RUN STOP	~~Francis Collette~~ ~~Rm 3217 - GSA Bg.~~	RUN STOP
~~[illegible]~~	RUN STOP	~~[illegible]~~ ~~Rm 1263 [illegible]~~	RUN STOP
~~MR. Mitten~~ ~~Rm. 1319 Interior~~	RUN STOP	S. M. E. A. 4457	RUN STOP

Send surplus envelopes to supply room for reissue.

Use other side

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

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/3	Anderson	600
2/4	[illegible]	600
		110
		100
		220

600

February 3, 1958

Project Summary Report

By: Walter C. Anderson, Division of Nonmetallic Minerals

1. Docket No. DMEA-4449-Mica
Contract No. Idm-E1042
Boone Prospect
Mitchell County, North Carolina

Application: Form MF-103(April 1952) received August 31, 1956.

Work Proposed by Applicant:

70 feet of shaft @ $50.00/ft.	$3,500.00
80 feet of drift @ $35.00/ft.	2,800.00
Total amount requested	$6,300.00

Operator: Clifton D. Buchanan
Box 218, Spruce Pine, North Carolina

Operator's Property Rights: Five year mining lease on the F. O. Phillips property consisting of 5 plus acres, dated October 22, 1956. Consent to Lien and Subordination Agreement dated October 22, 1956.

2. Contract: Form MF-200A(April 1956), dated November 28, 1956.

Work Authorized:

Construction toolhouse	$76.00
60 feet of shaft @ $46.60/ft.	2,796.00
80 feet of drifts @ $33.50/ft.	2,680.00
Estimated total cost of project	$5,552.00
Government participation @ 75%	$4,164.00

Amendments - No. 1, 2/25/57,
Extended starting date of the contract work from January 15, 1957 to February 15, 1957.

Work Completed: Same as authorized.

Work began on February 7, 1957, and completed by June 26, 1957. Field Team Final Report received January 20, 1958. Operator's Final Report received August 1, 1957. No equipment purchased under contract. During the contract period and up to October 10, 1957, a total of 527.05 pounds of sheet and some block was sold for $7,806.20. Royalty of $390.31 has been received.

3. Audit: Report of Review issued August 5, 1957

Total accepted cost	$5,552.00
Government contribution	$4,164.00

8623

4. Certification of Discovery or Development issued January 27, 1958.

Mica Reserves

Indicated	- 22,400 pounds block @ est. 5% recovery	- 1120 pounds sheet.
Inferred	- 15,000 pounds block @ est. 5% recovery	- 750 pounds sheet.
Total	37,400 pounds block	1,870 pounds sheet.

19

5. Comments:

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

Operation: Excellent job under adverse conditions.

Engineering: Reporting by Operator well done.

Geologic Premise: The premise that the mineralogical environment was good for the occurrence of strategic mica proved correct.

Geologic Criteria Upon Which Work Was Based:

1. Pegmatite: Zoned, at least 10 feet thick, exposed for 550 feet along strike, composed of 5 to 6 feet of quartz core with muscovite, 2 to 3 feet thick kaolinized fledspar outer zones. Country rock is "alaskite",(local incorrect term)

2. Mica: Green, flat, clear, occurring in hanging wall contact between the quartz core and feldspar. One inch thick by four inch wide blocks are abundant.

3. Past Production:

Geologic Criteria Developed During Project:

1. Pegmatite: Zoned, tabular-shaped, 10 feet thick at surface where it is steeply inclined, but flattens and thins down dip. Consists of massive, irregular from 5 to 6 feet thick quartz core at surface to 1 foot at the drift level. Wall zones are medium-grained white plagioclase. Host rock quartz monzonite or granodiorite pluton, locally but incorrectly known as alaskite.

2. Mica: Relatively thick, dark to brownish-green books up to 8 to 10 inches across. Flat, clear, some minor waviness, ruling and cracking.

3. Mica Production and Reserves:

Future Possibilities: Appears to be a good deposit for production of non-ruby mica.

Recommendations: The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur in the Field Team's recommendation to certify the project.

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

WCAnderson:rsi 2/3/58
Copy to: Admr. R. File
Mr. Johnson
Mr. Houk

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Nonmetallic Minerals

Report Period: To 3/25/58

DMEA No.	Operator	Contract No.
4449	Clifton D. Buchanan	Idm-E1042

ORE ESTIMATES – Mica.

	Tons	Analysis
DMEA	19	@ $600 = $11,400
Operator to date	—	
Total	19	
Production to date	15	$800.00
Ore in ground	4	— 2,500

INVESTMENT

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

Prepared by Walter C. Anderson Date 8/6/58

31398

$4,164 $5,552 $4,164

ANALYSIS MR

ORE	DMEA	OPERATOR	TOTAL	PRODUCTION	AVAILABLE
MINERAL					
Mica	37,400 lbs.				

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
		110
12/7/66	Kirkham	120
		220

Mr. F. O. Phillips

DEC 7 1966

Spruce Pine, North Carolina

Re: DMEA-4449 (Miss)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Dear Mr. Phillips:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated January 27, 1958, all minerals mined or produced from November 28, 1956, to November 28, 1966, were subject to the Government's royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any production therefrom. We, therefore, are closing our books and records on this contract.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Reading File
DMEA Docket
Branch of Budget & Finance
R. A. Laurence, Knoxville, Tenn. a/cy inc. 63
120M

MMerrithew/mm (12/7/66)

23263

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

November 28, 1966

Mr. F. O. Phillips

Spruce Pine, North Carolina

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, N. C.
Contract Idm-E1042

Dear Mr. Phillips:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

Frank E. Johnson

Frank E. Johnson
Chief, Office of
Minerals Exploration

OFFICIAL
COPY
O. M. E.
RECEIVED
DEC 6 1966
INITIALS | CODE
110

No closing letter mailed to Operator
per FEJ.
12/7/66

MME Form 63
Revised 7-65

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

From February 1966, to November 28, 1966

1. XXXXX , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

From February 1966, to November 28, 1966

2. XXXXX , has there been any production from the land subject to the contract? Yes ☐ No ☑

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value
	None	None

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons	None	
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☑

If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
None		

Submitted by:

Name J O Rheeyn Title Owner

Address Spruce Pine NC Date 11-1/66

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

OFFICIAL
IN REPLY REFER TO:
COPY
O. M. E.
RECEIVED
MAR 14 1966
INITIALS

March 2, 1966

Mr. F. O. Phillips

Spruce Pine, North Carolina

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, N. C.
Contract Idm-E1042

Dear Mr. Phillips:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

(Signed) FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

DMEA-4449
Idm-E1042

MME Form 63
Revised 7-65

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **December 1964**, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. Since **December 1964**, has there been any production from the land subject to the contract? Yes ☐ No ☑

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates	None	Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☑

   If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
none		

Submitted by:

Name J O Phillips Title Partner owner

Address Spruce Pine, N.C. Date 3-4-66

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/23	GCS	120
		220

DEC 2 2 1964

Memorandum

To: Chief, Fiscal Section, Office of Management Operations, Office of the Secretary
Through: Assistant Secretary - Mineral Resources

From: Chief, Division of Exploration Operations, BMR

Subject: BMRA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Enclosed for your files is the original of a Report of Royalty Review, dated December 17, 1964, on the subject contract.

George C. Selfridge (GCS)

Enclosure

GCSelfridge/gla (12-22-64)
cc to: Docket
CA&A Division
MR (2)
Secretary's File Copy
Secretary's Reading File
Director's Reading File
G. C. Selfridge
R. A. Laurence, USGS, Reg. IV, w/cy of Report of Royalty Review dtd 12/17/64 and cy of memo, dtd 12/17/64
Avery Reed, USBM, w/cy of each item sent to Mr. Laurence

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
	Selfridge	

December 17, 1964

Memorandum

To: Chief, Division of Exploration Operations

From: Contract Administration and Audit Division

Subject: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

The original and two copies of a Report of Royalty Review covering the subject contract are enclosed. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Office of Management Operations, Office of the Secretary; and

(b) Two copies for Region IV files.

This Report of Royalty Review is made for record purposes only; therefore, no copy for the Operator is provided.

As evidence of your concurrence, a copy of your memorandum transmitting the original report to the Fiscal Section should be furnished this Division. If for any reason you do not concur, both copies of the report should be returned to this Division with your comments.

Enclosures

CEFisher/ama 12-17-64

cc:
Director's Reading File
CA & A Division

23263

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

December 10, 1964

Estate

Mr. F. O. Phillips

Spruce Pine, North Carolina

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, N.C.
Contract Idm-E1042

Dear Sir:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

This is with reference to the Consent to Lien and Subordination Agreement signed by you on August 29, 1956, in connection with the subject contract. On December 6, 1963, you were kind enough to complete and return these forms to us, and we would appreciate it if you would again bring us up to date on the referenced property.

Sincerely yours,

George C. Selfridge, Chief
Division of Exploration Operations

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 16 1964

DATE	INITIALS	CODE
12/16		800
		~~100~~
12/16		110
1/5		120
		~~120~~

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since December 1963, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. Since December 1963, has there been any production from the land subject to the contract? Yes ☐ No ☑

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☑

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name F O Rhine Title Executor

Address Spruce Pine NC Date 12-12-64

4511

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/9	Murphy	120M
	GCF	~~120~~
12/10	Johnson	110
"	[illegible]	100
		220

December 9, 1964

Memorandum

To: Files

From: Contract Administration and Audit Division C. E. Fisher

Subject: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Reports of Royalty Review dated March 13, 1958, and February 13, 1962, refer to the possibility that scrap or punch mica may have been sold on which royalty has not been paid to the Government. This was based on the following notation by Mr. Beck on Check Sheet of Examining Engineer dated February 19, 1958:

> "Operator stockpiles mica scrap until a sufficient amount is obtained to make a sale."

My experience from numerous trips to the mica country has indicated that it is the usual practice for these small operators when trimming mica to allow the waste to fall on the floor of the shed. When the accumulation is sufficient to become a nuisance, or a buyer of scrap or punch comes along, the floor will be cleaned up and this waste sold for $20.00 or $30.00 per ton. In my opinion this is the "stockpile" to which Mr. Beck refers.

This Operator has paid royalty on 411.87 pounds of trimmed mica sold to the Spruce Pine Depot for $6,045.16, plus 4,000 pounds of scrap mica for which he realized $60.00. This indicates that 4,400 pounds of block mica produced some 400 pounds of trimmed mica or a recovery of approximately 10%. In my opinion most of the scrap or punch has been accounted for. Probably there was not sufficient remaining to make a sale or if it was sold only a very few dollars were realized and the Government's royalty would be inconsequential.

Repeated requests to the Operator for an accounting of scrap and punch sales have been ignored by him. OME files contain acceptable

evidence that the mine has not been operated since about 1957 through December 6, 1963, and that royalty has been paid to the Government on all sales with the possible exception of an unimportant amount of scrap or punch.

Request for information regarding the period subsequent to December 6, 1963, is being sent to F. O. Phillips, the land-owner. Upon receipt of this information, I propose writing an up to date Report of Royalty Review which will eliminate reference to the possibility of unreported scrap or punch sales.

CEFisher/ama 12-9-64

cc:
Director's Reading File
CA & A Division

DMEA-4449

INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver *ONLY* to addressee ☐ Show address where delivered

(Additional charges required for these services)

RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE *(must always be filled in)*

Clyde D. Buchanan

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

Sylva Buchanan

DATE DELIVERED 11-22-64

SHOW WHERE DELIVERED *(only if requested)*

C55—16—71548-5—F GPO

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/13	Fisher	800
11/13	Murphy	120M
	Selfridge	120
		110
		100
		220

REGISTERED MAIL
RETURN RECEIPT REQUESTED

NOV 13 1964

Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Dear Mr. Buchanan:

A review of our files pertaining to the subject DMEA exploration project contract fails to disclose a reply to our letter to you dated February 16, 1962, copy enclosed.

Please furnish the requested information along with your remittance of any additional royalty which may be payable to the Government.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Enclosure

CEFisher/ama 11-13-64

cc:
Docket
Director's Reading File
CA & A Division
Region IV

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/21	Fisher	800
10/21	Murphy	120M
	[illegible]	120
10/21	Johnson	110
	[illegible]	100
		220

OCT 21 1964

Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Dear Mr. Buchanan:

A review of our files pertaining to the subject DMEA exploration project contract fails to disclose a reply to our letter to you dated February 16, 1962, copy attached.

Please furnish the requested information along with your remittance of any additional royalty which may be payable to the Government.

Sincerely yours,

George Fumich, Jr.

(GF)

Acting Director

Enclosure

CEFisher/ama 10-21-64

cc:
Docket
Director's Reading File
CA & A Division
Region IV

23263

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

December 4, 1963

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, N. C.
Contract Idm-E1042

Mr. F. O. Phillips

Spruce Pine, North Carolina

Dear Sir:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

This is with reference to the Consent to Lien and Subordination Agreement signed by you on August 29, 1956, in connection with the subject contract. We have endeavored to obtain this information from Mr. Buchanan without success; therefore, will you kindly complete and return two of these forms to this office.

Sincerely yours,

F M Murphy

F. M. Murphy, Acting Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 9 1963

DATE	INITIALS	CODE
12/9	[illegible]	800
		~~120~~
		100
12/9	[illegible]	~~170~~
12/11	Murphy	~~500~~
		220

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since June 15, 1960 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☑

2. Since June 15, 1960 , has there been any production from the land subject to the contract? Yes ☐ No ☑

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore	None	Tons		
Concentrates	None	Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☑

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
Mine has not been operated since Mr Buchanan quit operating in 1957		

Submitted by:

Name F O Phillips Title Owner

Address Spruce Pine NC Date 12-6-63

4511

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

November21, 1962

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, N. C.
Contract Idm-E1042

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Dear Mr. Buchanan:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

#1-INSTRUCTIONS TO DELIVERING EMPLOYEE

☐ Deliver ONLY to addressee ☐ Show address where delivered

(Additional charges required for these services)

RETURN RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE (must always be filled in)

Clifton D. Buchanan

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

DATE DELIVERED 11-30-62

ADDRESS WHERE DELIVERED (only if requested in item #1)

C55—16—71548-4 GPO

OFFICIAL FILE COPY
O. M. E.
RECEIVE DE 3 1962

DATE		
12/3		800
	Ck leave	100
12/3		110
12/5		500

MME Form 63
Revised 3-62

DMEA-4469
Idm-B1042

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since June 15, 1960, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since June 15, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name Clifton D. Buchanan Title Lease

Address Spruce Pine Box 218 Date 11-30-62

4511

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

October 1, 1962

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, N. C.
Contract Idm-E1042

Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Dear Mr. Buchanan:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

DMEA-4449
16m-E1042

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since June 15, 1960, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since June 15, 1960, has there been any production from the land subject to the contract? Yes ☐ No ☐

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value
_____		
_____	_____	_____

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore	_____	Tons	_____	_____
Concentrates	_____	Tons	_____	_____
Other	_____	Tons	_____	_____

3. Since _____, has any production been transported through _____ workings (see _____ of contract)? Yes ☐ No ☐

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

TE Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/26	[illegible]	800
		500
		120
		110
		100
		220

June 26, 1962

Memorandum

To: The File

From: C. E. Fisher, OME Auditor

Subject: Check of Spruce Pine Mica Purchase Depot Records, June 18 - 22, 1962

During the period of June 18 to 22, 1962, I examined the purchase records of the G.S.A. Mica Purchase Depot at Spruce Pine, North Carolina, for the purpose of ascertaining any unreported production under DMEA exploration project contracts. My examination did not disclose any unreported production subject to royalty under the following contracts:

Contract No.	Docket No.	Operator	Mine Names
E- 684	3244	Alex Teague	Old Denson (Denison)
687	3256	Glenn C. Rathburn	Fox, Busby Creek
692	3260	Sam L. Phillips	W. A. McKinney, McKinney No. 1
[illegible]	3199	W. B. Chrisawn	R. D. (W. H.) Westall
71[illegible]	3410	Rock Mining Company	Rock
[illegible]	3489	A. Ward	Elmore
[illegible]	3559	C. P. Phillips, et al.	Sugar Dave, Ralph
762	3577	Keller Mining Co.	Oyster
805	3720	Alvin white, et al.	Coward
830	3265	Mines and Mining, Inc.	Farlow Gap
835	3913	T. B. Vance	Shuffle Vance, Red, Charlie Burleson
840	3799	J. R. Beam	Bennett, Mica Field
865	3860	Ed Boone	Goog Rock
889	3924	J. W. Beam & John Phillips	Little Ray, Pat
89[illegible]	3543	Buchanan Minerals, Inc.	Buchanan, Cream
9[illegible]	3942	Sam G. Smith	Joe Hill, Sam Smith
[illegible]	4147	Sam L. Phillips	Old Buchanan
[illegible]	4139	John Phillips	Roby (Robby)
1008	4332	John Phillips	John (John's) Brown
1037	4268	Murphy Mining Co.	Murphy, Murphy Rock
1042	4442	Clifton C. Buchanan	Moore, Phillips
10[illegible]	4[illegible]4	Sam L. Phillips	[illegible] Mountain

Director's Reading File
CA & A Division
Region IV Files (2)

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
4/18	GCS	120
		225

APR 18 1962

Memorandum

To: Chief, Fiscal Section, Division of Administrative Services, Office of the Secretary

From: Chief, Division of Field Operations, OME

Subject: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Enclosed for your files is the original of a Report of Royalty Review on the subject contract.

George C. Selfridge

(hb)

Enclosure

GCSelfridge/hb (4/18/62)
cc to: Docket DMEA-4449
Director's Reading File
CA&A Division
GCSelfridge
R. A. Laurence, Region IV, w/cy of Report of Royalty Review dated 2/13/62 & orig. cy of memo dtd 2/13/62 to Chf., Division of Field Operations from CA&A Div.
Avery Reed, USBM, Region IV, w/cy of ea. item sent to Mr. Laurence.

43683

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

APR 6 1962

Re: [illegible] (Mica)
Clifton D. Buchanan
Zeno Prospect
Mitchell County, No. Carolina
Contract Ka-[illegible]

Mr. Clifton D. Buchanan
Box 213
Spruce Pine, North Carolina

Dear Mr. Buchanan:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

We have received no reply to our letter of February 16, 1962, copy of which is enclosed for your convenience.

Sincerely yours,

Willis R. Grinwold, Chief
Division of Minerals

Enclosure

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since July 22, 1957, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☐

2. Since July 22, 1957, has there been any production from the land subject to the contract? Yes ☐ No ☐

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value
_____	_____	_____
_____	_____	_____

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore	_____	Tons	_____	_____
Concentrates	_____	Tons	_____	_____
Other	_____	Tons	_____	_____

3. Since _____, has any production been transported through _____ workings (see _____ of contract)? Yes ☐ No ☐

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

4511

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/15	Holt	500
	On leave	500
2/15	Talbot	800
2/16	Gilbreath	120
"	Johnson	110
2/16	Terrell	100
2/16	Cal	220
		120

FEB 16 1962

Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Dear Mr. Buchanan:

Our docket on the subject contract contains the statement that the Operator, as of February 19, 1958, stockpiled mica scrap until a sufficient amount was obtained to make a sale.

It will be appreciated if you will inform us whether you have made any sales of scrap or punch mica produced from the land of the contract since July 22, 1957, the date of the last and only sale of such material of which we have record, and whether you have any scrap or punch mica produced from the property on hand now.

Sincerely yours,

George Fumich, Jr.

Director

SPHolt/gla
2-15-62
cc to: Director's Reading File
Region IV
Docket
Code 500

43683

Re: DMEQ-4449

The Ofr. reported & paid royalty on a July 22, 1957, sale of scrap. The question is "Has he made any other sales of scrap or pencils?"

Talbert
2/15/62

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/15	Holt	500
	On leave	500
		800
		120
		110
		100
		220

Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Re: DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Dear Mr. Buchanan:

Our docket on the subject contract contains the statement that the Operator, as of February 19, 1958, stockpiled mica scrap until a sufficient amount was obtained to make a sale.

It will be appreciated if you will inform us whether you have made any sales of scrap or punch mica produced from the land of the contract since November 28, 1956, the date of the contract, with the amounts, prices, and other details of sales. If no sales have been made, has any scrap or punch mica been stockpiled since the date of the DMEA contract?

Sincerely yours,

Director

SPHolt/gla
2-15-62
cc to: Director's Reading File
Region IV
Docket
Code 500

It will be appreciated if you will inform us whether you have made any sales of scrap or punch mica produced from the land ~~of~~ under the contract since July 22, 1957, the ~~XXXXXXX~~ date of the ~~last~~ and only sale of such material of which we have record, and whether you have any scrap or punch mica produced from the property on hand now.

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		220

FEB 13 1962

Memorandum

To: Chief, Division of Field Operations

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: IMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract Idm-E1042

Enclosed are the original and two copies of a Report of Royalty Review covering the subject Region IV contract. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary; and

(b) Two copies to Region IV files.

This report is for OME record purposes only; therefore, no copy has been provided for the Operator.

As evidence of your concurrence, a copy of your memorandum transmitting the original of the report to the Department's Fiscal Section should be furnished this Division. If for any reason you do not concur, the original and both copies should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 2-13-62

cc:
Docket
Director's Reading File
CA & A Division
Mr. Rothrock

43683

[illegible]

915 [illegible]
(Shuford [illegible] Mine)

[illegible] [illegible]
(Goog Rock Mine)

[illegible] J. R. [illegible] & J. Phillips
(Little [illegible] Mine)

900 Sam [illegible]
(Doe Hill Mine) [illegible]

962 Sam Phillips
(Old Buchanan)

1005 John Phillips
(Roby Mine)

[illegible] [illegible]
([illegible] Prospect)

977 Hawk Mining Co.
(Hawk Mine)

1042 Clifton D. Buchanan
(Boone Prospect)

1089 Sam L. Phillips
(Black Mountain Pros)

[illegible] The above listed projects were checked at the [illegible] Purchasing Depot, Spruce Pine, N. C., or by [illegible] the Operators or by inquiring in and around [illegible]

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 23 1959

[illegible]	INITIALS	CODE
1423	gal	2 rc
"	[illegible]	11 c
		8 o c
		[illegible]
		[illegible]
		[illegible]

DMEA SEMI-ANNUAL REPORT ON CERTIFIED [illegible]

Projects Inactive since last inspection

Reporting Period: January 1, 1959 to July 1, 1959

[illegible]	Idn-E	Operator	
alt [illegible]	547	Duncan Mining Co. (Connelly Mine)	Nov. 4, 1959
alt [illegible]	548	Taylor, Greene & Greene (Cow Camp Mine)	Nov. [illegible]
alt [illegible]	665	Sparks & Paraley (Hector Mine)	Nov. 12, 1959
alt [illegible]	692	John Phillips, et. al (McKinney Mine)	Nov. 4, 1959
alt 3202	675	J. R. Beam & H. Boone (Ingram Mine)	Nov. 5, 1959
alt [illegible]	835	T. B. Vance (Shuffle Vance Mine)	Nov. 5, 1959
alt [illegible]	865	Ed Boone (Geog Rock Mine)	Nov. 12, 1959
alt [illegible]	900	Sam Smith (Doe Hill Mine)	Nov. 3, 1959
alt [illegible]	1005	John Phillips (Roby Mine)	November [illegible] 1959
alt [illegible]	1006	John Phillips (John Prospect)	[illegible]
alt 4449	1042	Clifton D. Buchanan (Bonne Prospect)	Nov. 5, 1959

* [illegible] an inspection of this property on November 12, it was definitely established that all production by the present lessee, Mr. Fred Young, is not coming from any part of the Contract Area.

** There has been no production from this property since the last inspection. The Operator was again requested to pay up the royalties due on past production. He agreed to do this but to-date he has not complied.

V. J. Lynch, Mining Engineer
Bureau of Mines

OFFICIAL FILE COPY
DMEA
RECEIVED APR 17 1958

DATE	INITIALS	CODE
4/17	C	226
17	Com	100
"	FJ	110
4/18	[illegible]	200
		600

DMEA EXPLORATION PROJECT

Semi-Annual Report of Certified project

Reporting Period: To March 25, 1958. Examined: March 25, 1958

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, N.C.

Mine Name: Boone Prospect. County: Mitchell. State: North Carolina

Docket No. DMEA-4449. Contract No. Idm-E1042. Commodity: Mica

Date of Contract: 11-28-56. Date Certified: 1-27-58

Expiration Date of Royalty Payments: November 28, 1966

Total Amount of Contract: $5,552.00. Total Expended: $5,552.00

Amount of Government Participation at 75%....$4,164.00

Royalty Payments this Period: $442.88

Previously Paid: None

Total Royalty Paid to date: $442.88

Royalty Due on Production: None

Royalty Remarks: Operator has paid all royalty due.

Original Estimate of DMEA Reserves (Field Team Final Report).

Indicated: 22,400 lbs. mine-run mica or 1120 lbs. sheet.

Inferred : 15,000 lbs. mine-run mica or 750 lbs. sheet

Production DMEA Ore this period and to date:

Type Mica	Pounds	Value
Sheet	411.87	$6,045.16
Hand cobbed	12,885.00	2,751.00
Scrap	4,000.00	60.00
Total	17,296.87	$8,856.16

Remarks: When visited March 25, 1958, Clifton D. Buchanan, the Operator told the writer the mine has not been operated since October 15, 1957, when the pegmatite became so poor in mica content he had to cease.

Wm. A. Beck, Mining Engineer
Bureau of Mines (DMEA)

April 15, 1958

z

OFFICIAL FILE COPY

Date	Surname	Code
3/25	Fisher	800
3/26	C	220
		600

MAR 26 1958

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

Re: Docket No. DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract No. Idm-E1042

Dear Mr. Laurence:

In response to your memorandum dated March 20, 1958, I wish to direct your attention to your letter to Mr. Buchanan dated February 3, 1958.

In that letter you requested payment of $4.17 covering additional royalty due on value of mica sold in Lots Nos. 42 and 322 but did not mention the overpayment which existed in the account at that time. This fact was noted during the review. It was decided that the amount involved ($.07) was too small to mention in the report which is returned without revision.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosures

CEFisher/ama
March 25, 1958

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

8623

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

RECEIVED

3/26	C	220
3/26	Hook	600

March 24, 1958

Memorandum

To: Finance Officer - Region V - (DMEA) Norris, Tenn.

From: Acting Executive Officer, DMEA - Region V

Subject: Royalty Payment - DMEA-4449, Idm-E1042-mica.
Clifton D. Buchanan, Spruce Pine, N.C.
Boone Prospect, Mitchell County, N.C.

Attached are settlement sheets for mica sold from the subject certified contract in the amount of $538.99 and their check for royalty in the amount of $31.12, which includes $4.17 due on the payment made February 3, 1958.

V. J. Lynch

zm.
cc
Lynch
Mittendorf
Files.

Enc;3
ck no.61, dated 3-20-58
$31.12.

FORM APPROVED MAR 28 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Spruce Pine, N. C.

PROGRAM: [X] A [ ] B

DATE PURCHASED: 1-15-58

CERTIFICATE AUTHORIZATION NUMBER: [redacted]-6-17 A

LOT NUMBER: [redacted]-463 (a)

ACCEPTANCE NUMBER: 423-632 (a)

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

QUALITY	RUBY HALF TRIM POUNDS	PRICE PER LB.	AMOUNT	RUBY FULL TRIM POUNDS	PRICE PER LB.	AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.50	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.5[illegible]			18.[illegible]	
GRADES NO. 5½ AND 6		2.[illegible]				
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

QUALITY	NONRUBY POUNDS	PRICE PER LB.	AMOUNT		
GOOD STAINED AND BETTER					
GRADES NO. 3 AND LARGER		$	$	.03	
GRADES NO. 4 AND 5				.03 $ 70.00 $ 2.10	2.10
GRADES NO. 5½ AND 6				1.79 40.00 71.60	71.20
STAINED				3.75 17.70 66.38	66.38
GRADES NO. 3 AND LARGER		9.60		.09	
GRADES NO. 4 AND 5		4.00		.09 25.00 2.30	2.30
GRADES NO. 5½ AND 6		2.40		1.38 14.[illegible] 20.15	20.15
HEAVY STAINED				5.41 6.55 35.44	35.44
GRADES NO. 3 AND LARGER		6.40			
GRADES NO. 4 AND 5		3.20		[illegible]	
GRADES NO. 5½ AND 6		1.60		5.45	
TOTALS				.19 4.00 .76	.76

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Based on Full Trim) 12.63 Lbs. $ 198.33 — 198.33

ADJUSTED VALUE WHEN LESS THAN 18% GS & B ABOVE VALUE $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFFING AND TRIMMING $

FINAL BASIS FOR PAYMENT $ 198.33

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER $ 106.64 — 106.64

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 91.69 — 91.69

NAME AND LOCATION OF MINE

Deane Proposent, Phillips property-Mitchell County, N. C.

% GS & B 44.62

PROCESSED FOR PAYMENT (LBS.) 12.63 — 12.63

PROCESSED - NO PAYMENT (LBS.)

THINS

BLACK (Dots, Spots, Stained)

UNDERSIZED

PROCESSING [redacted] .06 Gals — .06

TOTAL POUNDS PURCHASED 12.57 — 12.57

SELLER'S NAME AND ADDRESS (Type or print)

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 26 1958
DATE CODE

APPROVED
DEPOT SUPERINTENDENT
DATE 1-15-58

GSA WASH D C 58-3177

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - PROGRAM B - MICA PURCHASE

(MICA REGULATION 7, REVISION 3, AMENDMENT 2, FURTHER AMENDED BY 4 AND 8)

MICA PURCHASE DEPOT - Spruce Pine, N. C.

DATE PURCHASED: 10-30-57

ACCEPTANCE NUMBER: 503-68 (a) Max. $340

W.A.I. NUMBER: [redacted]-4-324 B

LOT NUMBER: SP30-68 (a)

VOUCHER NUMBER:

SCHEDULE NUMBER:

TYPE OF MICA: [ ] RUBY [X] NONRUBY

POUNDS PURCHASED: 1295.00

INITIAL PAYMENT: $ 100.01

STATEMENT OF ACTUAL YIELD

QUALITY	POUNDS	PROGRAM A - VALUE STAINED MICA (5)
1. GOOD STAINED AND BETTER	10.22	
2. STAINED	8.19	$ 53.64
3. HEAVY STAINED	1.06	
4. TOTAL YIELD [redacted]	19.47	

COSTS

6. RIFTING: 90 HOURS X $1.05 = $ 94.50

7. TRIMMING: .75 B Spotted — 95 HOURS X $ 1.10 = $ 104.50

8. RIFTING AND TRIMMING (Per pound)

TOTAL COSTS (Items 6 and 7) $ 199.00 ÷ TOTAL YIELD (Item 4) 20.22 = COST PER LB. $ 9.84

COMPUTATION OF FINAL PAYMENT

9. POUNDS OF GOOD STAINED AND BETTER (Item 1) 10.22 X $ 33.333 PER LB. - NONRUBY X $ [redacted] PER LB. - RUBY = $ 340.66

10. POUNDS OF STAINED (Item 2) — NUMBER OF POUNDS 8.19

11. POUNDS OF GOOD STAINED AND BETTER (Item 1) 10.22 X 1.5 = EQUIVALENT LBS. OF STAINED — NUMBER OF POUNDS 15.33

12. DIFFERENCE (Item 10 minus 11) — NUMBER OF POUNDS -0-

13. PROGRAM A - VALUE OF STAINED (Item 5) $53.64 ÷ LBS. OF STAINED (Item 2) 8.19 = $ 6.55 (Per lb.)

14. DUE SELLER ON STAINED (Item 12) X (Item 13) $ = $ -0-

15. TOTAL (Item 9 + Item 14) $ 340.66

16. COST OF RIFTING AND TRIMMING (Item 12 x Item 8) $

17. GROSS AMOUNT DUE SELLER (Item 15 - Item 16) $ 340.66

18. MAXIMUM ALLOWABLE (1295.00 lbs. [redacted] 27¢) $ 349.65

19. INITIAL PAYMENT $ 100.01

20. DUE [X] SELLER $ 240.65

NAME AND LOCATION OF MINE

Boone prospect, Phillips property
Mitchell County, N. C.

SELLER'S NAME AND ADDRESS (Type or print)

Clifton D Buchanan
Box 218
Spruce Pine, N. C.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 26 1958
GOVERNMENT

DATE	INITIALS	CODE

APPROVED

DEPOT SUPERINTENDENT

DATE 2-3-58

GSA WASH D C 58-3177

GSA FORM 1013b
SEPTEMBER 1957

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/14	[illegible]	800
3/17	C	220
3/17	[illegible]	600

MAR 14 1958

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

Re: Docket No. DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract No. Idm-E1042

Dear Mr. Laurence:

I am enclosing the original and two copies of Mr. Fisher's Report of Royalty Review dated March 13, 1958, pertaining to the subject contract.

If you concur with the findings, the original should be forwarded to the Regional Finance Officer, a copy should be retained in your files, and a copy should be sent to the Operator.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosures

CEFisher/ama
March 14, 1958

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

8623

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

February 3, 1958

RECEIVED FEB 5 1958		
DATE	INITIALS	CODE
2/5	C	220
2/5	Hawk	600

Memorandum

To: Finance Officer - Region V (DMEA)

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty Payment - Idm-E1042, DMEA-4449 - mica
Clifton D. Buchanan, Boone Prospect, Mitchell County, North Carolina

Transmitted are two bills-of-sales for mica sold on the subject contract, and their check in the amount of $21.45. This settlement is incorrect in the amount of $4.17, a copy of a letter to the Operator is attached.

Robert A. Laurence

zm.

cc
Mittendorf
Lynch
Files

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

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 5 1958

DATE	INITIALS	CODE

February 3, 1958

Mr. Clifton D. Buchanan
P.O. Box 216
Spruce Pine, North Carolina

Re: DMEA-4449, Idm-E1042-mica
Boone Prospect
Mitchell County, N.C.

Dear Mr. Buchanan:

Today we received two final settlement sheets from the subject property for mica sold and your check for royalty on the sales in the amount of $21.45. On Lot No. 42(a) the amount should have been $219.00, and on Lot No. 322(a) it should have been $293.44, making a total of $512.44. However, you based your royalty on $219.00 and $135.68, both amounts taken from Lot. No.42 (a). Please check your settlement sheets on this and in your next payment include $4.17 balance of royalty due.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

zm.
cc
Mittendorf
Lynch
Files

FOR APPROVAL
COMP. GEN. ...
MARCH 25, ...

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - PROGRAM B - MICA PURCHASE

(MICA REGULATION 7, REVISION 3, AMENDMENT 2, FURTHER AMENDED BY 4 AND 8)

MICA PURCHASE DEPOT - Spruce Pine, N. C.

DATE PURCHASED: 9-25-57

ACCEPTANCE NUMBER: -42 (a) Max. 3540

W.A.I. NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[redacted]-4-324 D	SP20-42 (a)		

TYPE OF MICA	POUNDS PURCHASED	INITIAL PAYMENT
[ ] RUBY [X] NONRUBY	1690.00	$ 83.32

STATEMENT OF ACTUAL YIELD

QUALITY	POUNDS	PROGRAM A - VALUE STAINED MICA (5)
1. GOOD STAINED AND BETTER	6.57	
2. STAINED	4.25	$ 27.84
3. HEAVY STAINED	.47	
4. TOTAL YIELD	11.29	

COSTS

6. RIFTING: 82 HOURS X $ 1.05 = $ 86.10

7. TRIMMING: 66½ HOURS X $ 1.10 = $ 73.15

8. RIFTING AND TRIMMING (Per pound)

TOTAL COSTS (Items 6 and 7) $ 159.25 ÷ TOTAL YIELD (Item 4) 11.29 = COST PER LB. $ 14.11

COMPUTATION OF FINAL PAYMENT

9. POUNDS OF GOOD STAINED AND BETTER (Item 1)	6.57	$ 219.00
10. POUNDS OF STAINED (Item 2)		NUMBER OF POUNDS 4.25
11. POUNDS OF GOOD STAINED (Item 1)	6.57	NUMBER OF POUNDS 9.86
12. DIFFERENCE (Item 10 - Item 11)		NUMBER OF POUNDS -0-
13. PROGRAM A VALUE (Item 5) $ 27.84 ÷ LBS. OF STAINED (Item 2)	4.25	(Per lb.) $ 6.55
14. DUE SELLER ON STAINED (Item 12) X (Item 13)		$
15. TOTAL (Item 9 + Item 14)		$ 219.00
16. COST OF RIFTING AND TRIMMING (Item 12 x Item 8)		$
17. GROSS AMOUNT DUE SELLER (Item 15 - Item 16)		$ 219.00
18. MAXIMUM ALLOWABLE (1690.00 x 27¢)		$ 456.30
19. INITIAL PAYMENT		$ 83.32
20. DUE [X] SELLER [ ] GOVERNMENT		$ 135.68

DMEA RECEIVED FEB 5 1958

DATE	INITIALS	CODE

NAME AND LOCATION OF MINE

Boone prospect-Mitchell County, N. C.
Phillips property

SELLER'S NAME AND ADDRESS (Type or print)

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 11-22-57

GSA WASH D C 50... 1...

GSA FORM 1013L

FINAL SETTLEMENT - MICA PURCHAS

MICA PURCHASE DEPOT - Spruce Pine, N. C.

[X] A [ ] B

ACCEPTANCE NUMBER: [illegible]

CERTIFICATE AUTHORIZATION NUMBER: [illegible]-17 A

LOT NUMBER: [illegible] (A)

VOUCHER NUMBER:

SCHEDULE NUMBER:

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		[illegible]				
GRADES NO. 4 AND 5		5.00			31.90	
GRADES NO. 5½ AND 6		3.00			18.25	
HEAVY STAINED					7.55	
GRADES NO. 3 AND LARGER		[illegible]				
GRADES NO. 4 AND 5		4.00			14.80	
GRADES NO. 5½ AND 6		[illegible]			6.85	
TOTALS		[illegible]	$		4.00	$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ [illegible]	$
GRADES NO. 4 AND 5				1.19	[illegible]	47.60
GRADES NO. 5½ AND 6				11.32	[illegible]	200.36
STAINED						
GRADES NO. 3 AND LARGER					[illegible]	
GRADES NO. 4 AND 5				.65	[illegible]	9.49
GRADES NO. 5½ AND 6				5.44	[illegible]	35.63
HEAVY STAINED						
GRADES NO. 3 AND LARGER		[illegible]			11.85	
GRADES NO. 4 AND 5		[illegible]			5.45	
GRADES NO. 5½ AND 6		[illegible]		.09	4.00	.36
TOTALS			$			$

TOTAL YIELD AND VALUE [ ] RUBY [X] NONRUBY (Half trim plus full trim) 18.69 LBS. $ 293.64

ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ x _____ ÷ 18) $

FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING $

FINAL BASIS FOR PAYMENT $ 293.64

LESS: INITIAL PAYMENT VOUCHER NUMBER SCHEDULE NUMBER 157.99

BALANCE DUE [X] SELLER [ ] GOVERNMENT $ 135.45

NAME AND LOCATION OF MINE

Boone prospect-Mitchell County, N. C.
Phillips property
% GS & B 66.93

PROCESSED FOR PAYMENT (LBS.)	18.69
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (Dots, Spots, Stained)	
UNDERSIZED	
PROCESSING LOSS	.06
TOTAL POUNDS PURCHASED	18.75

SELLER'S NAME AND ADDRESS (Type or print)

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/3	Anderson	600
2/4	Houk	600
"	Chambers	800
2/5	Selfridge	130
2/5	Lamb	130
2/5	Nelson	130
"	Jones	110
"	Battenberg	100
2/6	C	220

600

FEB 6 1958 600

Mr. Clarence A. Fredell, Acting Director
Technical Services Division
Defense Materials Service
General Services Administration
7 th and D Streets, S. W.
Washington 25, D. C.

Re: Docket No. DMEA-4449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract No. Idm-E1042

Dear Mr. Fredell:

I am enclosing one copy of a certification of discovery or development relating to the subject contract.

The exploration contract was signed on November 28, 1956, with the Government participating to the extent of 75 percent of $5,552.00 or $4,164.00. The project was started on February 7, 1957, and was completed by June 27, 1957, after the expenditure of $5,552.00, which is the total accepted cost according to the Audit Division. The Government paid 75 percent of the total accepted cost or $4,164.00.

The work performed on this project consisted of sinking 60 feet of shaft and driving 80 feet of drifts. The work exposed a strategic mica-bearing zoned pegmatite, 10 feet thick at the surface and thinning down dip.

During the project and up to October 10, 1957, 527.05 pounds of sheet mica was produced. The project work furnished sufficient data to calculate the following classifications of strategic mica reserves:

Indicated - 22,400 pounds block @ est. 5% recovery,
or 1120 pounds sheet.
Inferred - 15,000 pounds block @ est. 5% recovery,
or 750 pounds sheet.

The DMEA concurs in the Field Team's evaluation of the work performed and has, therefore, certified that a discovery or development has resulted from the work under the contract.

Sincerely yours,

C. D. Nelson (for)

Administrator

Enclosure

WCAnderson:rsi 2/3/58
Copy to: Admr. R. File
Mr. Johnson
Mr. Chambers
Mr. Kilsgaard, 5222
Mr. Lamb, 3649
Operating Committee
Field Team, Region V
Certification File
Mr. Houk (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/3	Anderson	600
2/4	Houk	600
"	Chambers	800
		~~140~~
2/5	Jeffrey	130
2/5	Lamb	130
2/5	Nelson	130
"	Johnson	110
"	Mitterdorf	100
		~~312~~
		220

600

FEB 6 1958

Mr. F. O. Phillips

Spruce Pine, North Carolina

Re: Docket No. DMEA-4449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract No. Idm-E1042

Dear Mr. Phillips:

Enclosed is a copy of a certification of discovery or development with copy of covering letter to the Operator, which has been issued pursuant to the terms of the above-cited contract.

This correspondence relates to the Consent to Lien and Subordination Agreement signed by you on October 22, 1956. The Government's prior lien on the land and upon any production therefrom will continue in existence for the length of time mentioned in the enclosed copy of the letter to the Operator. You are obligated during that period to commit no act and to assert no claim in conflict with the Government's rights under the agreement signed by you, and to give advance notice of the Government's rights to any transferee or lessee of any part of your interest in the land or the production therefrom.

Sincerely yours,

C. O. Mitterdorf

Administrator

Enclosure

WCAnderson:rsi 2/3/58
Copy to: Admr. R. File
Mr. Johnson
Mr. Chambers
Mr. ~~Dietrich, 3061~~ Lamb, 3608
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/27	[illegible]	600
1/27	[illegible]	600
1/27	[illegible]	140
1/27	Chambers	130
1/27	[illegible]	130
"	Johnson	~~130~~
"	[illegible]	100
		~~100~~
		220

600
~~800~~

JAN 27 1958

600

Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Re: Docket No. DMEA-4449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract No. Idm-E1042

(130)
1/27 [illegible]
1/27 [illegible] (130)

Dear Mr. Buchanan:

Enclosed is a certification of discovery or development under Contract No. Idm-E1042 on the Boone Prospect, Mitchell County, North Carolina.

By the terms of the Exploration Project Contract, all minerals mined or produced from November 28, 1956, to November 28, 1966, are subject to the Government's percentage royalty as set forth in the contract until the sum of $4,164.00 is repaid to the Government.

You should continue to make royalty payments to the Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, as you have in the past and checks should be drawn payable to the Defense Minerals Exploration Administration.

Also, royalty payments to the Government should be accompanied by suitable evidence such as copies of settlement sheets showing quantity and grade of ore sold, the name of the purchaser, and the price and charges certified to be correct by the purchaser.

You are requested to notify the Executive Officer of any changes in ownership or production rights that may have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for any extended period, please notify the Executive Officer at six-month intervals that no production has been made.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

Certification File
Mr. F. O. Phillips
Mr. Houk

Mr. Fredell, GSA
Field Team, Region V
Finance Office
Mr. Killsgaard, 5222
Mr. Lamb, 3649

WCAnderson:rsi 1/27/58
Copy to: Admr. R. File
Mr. Johnson
Operating Committee
Mr. Chambers

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/27	Hoch	600
1/27	Zinke	600
1/27	Jungen	140
"	Chambers	800
1/27	Selfridge	~~100~~ 130
		~~130~~
1/27	Lamb	130
1/27	Kiilsgaard	130
"	Johnson	110
	Mitterdorf	100
		220

600

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Mr. Clifton D. Buchanan
Box 218
Spruce Pine, North Carolina

Pursuant to the provisions of Exploration Project Contract No. Idm-E1042, dated November 28, 1956, Docket No. DMEA-4449, hereinafter called the "contract", between Clifton D. Buchanan and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

Shaft sinking and drifting exposed a zoned pegmatite emplaced in a coarse grained quartz-monzonite or grandodiorite ("alaskite"). Sufficient data were obtained to calculate indicated and inferred reserves of strategic mica.

A granodiorite is not an alaskite! If the latter term is used you might say "termed usually an alaskite".

THE UNITED STATES OF AMERICA

By O. Mitterdorf
Administrator, Defense Minerals
Exploration Administration

Dated JAN 27 1958

WCAnderson:gad 1/27/58
Copy to: Admr. R. File
Mr. Johnson
Mr. Chambers
Mr. Lamb, 3649
Finance Office

Mr. C. A. Fredell, GSA
Operating Committee
Mr. Kiilsgaard, 5222
Field Team, Region V

Mr. F. O. Phillips
Spruce Pine, N. C.

8623

OFFICIAL FILE COPY
DME
RECEIVED JAN 23 1958
DATE | INITIALS | CODE
1/23 | C | 220
600

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

January 22, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4449 (mica)

Applicant: Clifton D. Buchanan

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

Contract Number: Idm-E 1042

Date of Field Team Final Report: January 16, 1958

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: January 21, 1958

Field Team Recommendation: Recommend that certification as a discovery be made.

Comments:

1. Under a DMEA contract 60 feet of shaft and 80 feet of drifting were completed. At the operators expense 10 additional feet of drift were completed.

2. Strategic mica valued at $7,876.17 was produced during exploration.

3. Indicated reserves are estimated to be 37,400 pounds of block mica (1,870 pounds sheet).

4. Expenditures -

Total approved	$5,552.00
Total cost	5,552.00
Gov't. share of the cost	4,164.00
Value of production during operation	7,876.17
Royalty paid to date	390.31

Recommendation:

I concur with the recommendation of the field team that certification as a discovery be made.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

DMEA
RECEIVED JAN 23 1958

DATE	INITIALS	CODE
1/23	C	220
1/23	Houk	600

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

January 22, 1958
Re: DMEA 4449 Idm-E1042
Clifton D. Buchanan
Boone Prospect
Mitchell 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 Final Report

Work under the contract started February 7, 1957, and was completed June 26, 1957. Sixty feet of cribbed incline shaft was sunk and 80 feet of drift was driven at a total cost of $5,552.00, of which the Government contributed $4,164.00. 527.05 pounds of sheet mica has been sold for $7,876.17 and royalty remitted totals $390.31.

Reserves of sheet mica are estimated to be:-

Indicated	22,400	pounds	block	containing	1120	pounds	sheet
Inferred	15,000	"	"	"	750	"	"

At the price per pound received for the 527.05 pounds, the value of indicated and inferred reserves is:-

Indicated	1120	at	$14.94/lb	=	$16,732.80
Inferred	750	at	" "	=	$11,205.00
			Total		$27,937.80
Implied royalty at 5%					$ 1,396.89

The examiners and Field Team recommend certification of the project. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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

DMEA
JAN 20 1958

1/20	gb	220
		130
1/20		110
1/22		130
1/23	C	220
23	Com	100
1/24	Hook	600

January 16, 1958

Memorandum

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

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

Subject: Final Field Team Report, DMEA-4449, Idm-E1042 (Mica)
Clifton D. Buchanan, Box 218, Spruce Pine, N. C.
Boone Prospect, Mitchell County, North Carolina

Enclosed are the original and two copies of the above mentioned final Field Team report.

The Field Team agrees with the recommendation of the Field Examiners that certification as a significant discovery be made.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 3

Reviewed by
DMEA OPERATING COMMITTEE
1-22-58
(date)

F.T. Team Final Rpt

Date		Code
1/22	JHB	130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

FIELD TEAM- REGION V

DMEA-4449, Idm-E1042, BOONE PROSPECT (mica)
Mitchell County, North Carolina

S. C. Bergman, Geologist
Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

Reviewed by
DMEA OPERATING CONTRACTOR
1-22-58
(date)

January 16, 1958

DMEA
JAN 20 1958

FIELD TEAM FINAL REPORT

DMEA-4449, Idm-E1042 (mica) BOONE PROSPECT
Mitchell County, North Carolina

Operator: Clifton D. Buchanan, P.O. Box 218, Spruce Pine, N.C.

SUMMARY

A zoned, mica-rich pegmatite, fracture-emplaced in a coarse grained quartz-monzonite or grandodiorite ("alaskite"), was explored downdip and along strike by the contract work. Pegmatite thins and flattens downdip becoming correspondingly richer in strategic muscovite. The structure fingers out concordantly just below the drift level at the contact between the host pluton and a quartz-muscovite-biotite schist. Reserves of strategic muscovite can be outlined along the flattened portion of the pegmatite both updip from the drift level and on a strike projection to the northeast. Certification as a significant discovery is strongly recommended.

INTRODUCTION

Location

The contract site is located on the lower west slope of Chalk Mountain and near the bottom of the south slope of a westward trending spur of Chalk Mountain. It is 2.16 airline miles S56°W of the intersection of US Highway 19E and State Highway 19 in Spruce Pine, Mitchell County, N. C. It is located in the southwest 1/9th of the Spruce Pine, N.C. Quad. USGS-TVA Ed. 1934 (209-NE), 1:24,000.

Previous Work

Numerous slumped pits, trenches, and shallow strike-adits mark a mica-bearing pegmatite or pegmatite sequence which extends for more than 1500 feet from Autrey Hollow, north-northeast over and beyond a shallow gap on a westward trending spur of Chalk Mountain. The excavations intermittently expose a zoned fracture-controlled pegmatite or closely en echelon series of structures.

Mining activity at the site dates back to about 1900. Reportedly, Henry Pettit and Stephen Collis were the principal operators at the time. Some production is reported from a Branch Mine during World War II, near the present contract site. In September, 1951, a total of about 300 feet of trenching was completed under DMA-1390X, Idm-E74 (Chalk Mountain Mine), near and at the topographic saddle, about 800 feet north-northeast of the present contract site. Prior to the present contract, the Operator sold 11.24 lbs of trimmed sheet valued at $200.18 ($17.80/lb) from block reportedly recovered at the site.

Contract Work

The exploration work started February 7, 1957 and was successfully completed by June 26, 1957. A toolhouse and powder and exploder magazines were constructed and a power line brought to the site. Continuous electric pumping facilities worked extremely well at a very nominal cost (about $18/month).

Sixty feet of fully cribbed inclined shaft was sunk on pegmatite in a northwesterly direction, collaring at -60° and bottoming at -30° inclination. From about the 50-foot level on the incline, 36 feet of drift was driven to the southwest, and at the last inspection continuing drift work had progressed 54 ft to the northeast as shown on the report map. This is a total of 90 ft drift completed as of the final inspection, 10 ft in excess of the contract amount. All drift work had to be continuously lagged overhead, and partially lagged on the walls due to the weathered and fractured condition of both pegmatite and host rock.

All contract work was done efficiently and adequately. Progress was good in spite of adverse physical conditions.

GEOLOGY

The pegmatite is a zoned, tabular-shaped, and fracture-controlled structure, emplaced at and near the margins of a coarse-grained quartz monzonite or granodioritic pluton. The host rock is locally and incorrectly known as "alaskite" and is well exposed at Feldspar Corporation quarry on the west slope of Chalk Mountain about 1500 ft east-northeast of the contract site. The rock is relatively coarse-grained, granular to somewhat porphyritic, consisting of varying, but nearly equal proportions of perthitic microcline and oligoclase-andesine, with minor interstitial quartz and fine grained muscovite. Accessory minerals are garnet, emphibole, and biotite with rare primary and secondary radioactive minerals. A number of thin perthite-quartz pegmatites are exposed in the quarry which have been emplaced along joint sets. Their contacts are generally gradational and merge with the host rock. The contacts of the contract pegmatite are fairly sharp and distinct, suggesting a somewhat later relative age.

The contract pegmatite is a tabular structure about 10 ft thick at the surface. It strikes N50°E and dips 55 to 60° northwest and is exposed by trenching and stream action for about 50 ft along strike. If not the same structure, it is probably intimately en echelon with pegmatite intermittently exposed for 1500 ft or more to the north-northeast. The structure thins and flattens downdip to about 5 to 6 ft thickness and a -30° northwest dip at the drift level.

At about the 50 to 55 ft level, pegmatite and host rock merge, the pegmatite concordantly, with a coarse-grained quartz-muscovite-biotite schist. Pegmatite downdip from this point becomes an unproductive migmatite zone with stringers and augen of pegmatite. Roughly 5 ft updip from this point, the quartz core terminates irregularly. The drift work was driven in an area between the end of the core and the schist contact. The end of the core, although irregular, has no noticeable plunge. The southwest drift heading becomes progressively less pegmatitic, and more admixed with schist, less productive and weathered to the point that the ground could hardly be held with lagging.

Pegmatite consists of a centrally located, massive, irregular quartz core, which varies in thickness from 5 to 6 ft at the surface to 1 foot at the drift level. The wall zones are a simple aggregate of medium-grained, very white plagioclase, green muscovite, and minor interstitial quartz. Occasional to rare isolated buff to light pink coarse-grained crystals of microcline perthite were noted, with a single instance in the northeast heading of thin lens of perthite adjacent to the underside of the core.

The downdip flattening and thinning of the pegmatite corresponds with greatly increased proportions of muscovite. Recovery from the upper, steeply inclined portion of the shaft, was about 0.01 lbs per cubic ft compated to 3.0/ lbs per cubic ft at the drift level.

Muscovite was recovered in relatively thick, dark grass-green to brownish-green books up to 8 x 10 inches across. The

mica is generally flat and clear, although some minor waviness, ruling, and edge-cracking is present. Only a very minor amount of fine oxide intergrowth was noted near the crystal margins.

Both pegmatite and host rock are thoroughly but not completely kaolinized near the surface. At the drift level, kaolinization is not as complete, but appears to be proceeding interstitially, resulting in a rather easily disintegrated rubbley textured material.

Production and Reserves

It is estimated that over 10,000 lbs of block was recovered from the lower shaft and drift work and represented by sheet and block sales at the GSA Depot in Spruce Pine. A total of 527.05 lbs of sheet (including block sales) was sold between May 13, and October 10, 1957, with a value of $7,816.17 and an average 42% good stained or better content.

Indicated reserves are calculated 15 ft updip from the drift to the change in dip and projected 15 ft northeast from the present heading. Inferred reserves are calculated on a 50-foot strike projection of the indicated area to the northeast (see map).

Indicated Reserves:

SW of shaft, 28 x 15 x 5' - 2100 cu. ft.
NE of shaft, 56 x 15 x 5' - 4200 cu. ft.
NE projection, 15 x 20 x 5' - 1500 cu. ft. - 7800 cu. ft. x 3.0 lbs/ cu. ft.

22,400 lbs. block 1120 lbs sheet (at esti.5% recov

Inferred Reserves (northeast projection)

50 x 20 x 5', -5000 cu. ft. - 3.0 lbs/cu.ft.
15000 lbs block 750 lbs sheet (at esti. 5% recovery).

Total Reserves (indicated + inferred)

37,400 lbs. block 1,870 lbs sheet.

CONCLUSIONS AND RECOMMENDATIONS

What are believed to be certifiable amounts of strategic muscovite reserves were outlined updip from the contract drift and on a strike projection to the northeast. No reserves were outlined downdip because of the presence of a contact between the host pluton and unproductive mignatitic schist.

The presence of mica-rich material appears to depend on several factors; first and most important, the presence of massive quartz core, and secondly, the flatness of dip. Structural continuity is very good to the northeast, but poor to the southwest. The possibilities of similar occurances or extentions to the northeast are considered good, since the favorable mineralogical environment and structural continuity are known to be present on the surface, and increasing flatness of dip to the northeast is suggested at the contract site by the divergance of strike between the surface exposure and the drift level (see map). The Operator should be commended for doing an excellent job under rather adverse conditions.

EXPENDITURES

(a)	Total approved	$5,552.00
(b)	Total cost of project	5,552.00
(c)	Government's share of cost	4,164.00
(d)	Government's share unexpended	0
(e)	Value of production	7,876.17
(f)	Royalty paid to date	390.31

S. C. Bergman, Geologist, USGS

L. E. Shirley, Mining Engineer, USBM

z

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
12/30	Anderson	600
12/30	GCS	130
		~~110~~
"	Mitchell	100
12/31	C	220
		600

600

DEC 30 1957

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 1D, Post Office Bldg.
Knoxville 2, Tennessee

Re: Project No. DMEA-449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract No. Im-E1042

Dear Mr. Laurence:

Reference is made to the Field Team's Interim Report of June 26, 1957, stating that certification of the subject project will be recommended.

Reports on production and sales of mica support the certification; however, we have not yet received the Field Team's Final Report. As the final date for certification is February 1, 1958, we shall appreciate receiving the final report, with the estimate of reserves and a confirmation of certification recommendation at your earliest convenience.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

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

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

WCAnderson:gad 12/30/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA
RECEIVED NOV 20 1957

DATE		CODE
11/20	gb	220
11/20	[illegible]	600

November 18, 1957

Memorandum

To: Finance Officer, Region V - (DMEA)

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

Subject: Royalty Payment - Idm-E1042, DMEA-4449 (mica)
Clifton D. Buchanan, Spruce Pine, N.C.

Attached are bills-of-sale in the amount of $4,102.50, and a check No.24, dated November 12, 1957 in the amount of $205.69 for 5% royalty due the Government, and including 50¢ which was short on the royalty payment made September 10, 1957.

Robert A. Laurence

z
Mittendorf
Lynch
Laurence

2 [illegible] 1250
[illegible]
63

264.87
573.66
504.93
464.99
387.89
285.18
280.49
239.20
426.29
675.00

4102.50

FORM APPROVED BY COMP. GEN. U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - MICA PURCHASE

MICA PURCHASE DEPOT - Spruce Pine, N. C.

PROGRAM	DATE PURCHASED
[X] A [ ] B	10-10-57
	ACCEPTANCE NUMBER [illegible]-281 (a)

CERTIFICATE AUTHORIZATION NUMBER	LOT NUMBER	VOUCHER NUMBER	SCHEDULE NUMBER
[illegible]-4-17 A	SPAO-281 (a)		

EVALUATION DATA

RUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$		$ 70.00	$
GRADES NO. 4 AND 5					40.00	
GRADES NO. 5½ AND 6					17.70	
STAINED						
GRADES NO. 3 AND LARGER		12.00			31.90	
GRADES NO. 4 AND 5		5.00			18.25	
GRADES NO. 5½ AND 6		3.00			7.55	
HEAVY STAINED						
GRADES NO. 3 AND LARGER		8.00			14.80	
GRADES NO. 4 AND 5		4.00			6.85	
GRADES NO. 5½ AND 6		2.00			4.00	
TOTALS			$			$

NONRUBY

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER		$	$	.06	$ 70.00	$ 4.20
GRADES NO. 4 AND 5				1.38	40.00	55.20
GRADES NO. 5½ AND 6				5.40	17.70	95.58
STAINED						
GRADES NO. 3 AND LARGER		9.60		.03	25.55	.77
GRADES NO. 4 AND 5		4.00		2.09	14.60	30.51
GRADES NO. 5½ AND 6		2.40		9.84	6.55	64.45
HEAVY STAINED						
GRADES NO. 3 AND LARGER		6.40			11.85	
GRADES NO. 4 AND 5		3.20		.19	5.45	1.04
GRADES NO. 5½ AND 6		1.60		3.28	4.00	13.12
TOTALS			$	22.27		$ 264.87

TOTAL YIELD AND VALUE	[ ] RUBY [X] NONRUBY (*Half trim plus full trim*)	22.27 LBS.	$ 264.87
ADJUSTED VALUE WHEN LESS THAN 18% GS & B (ABOVE VALUE $ _____ X _____ ÷ 18)			$
FOR PROGRAM B, DEDUCT $4.00 PER POUND FOR RIFTING AND TRIMMING			
FINAL BASIS FOR PAYMENT			$
LESS: INITIAL PAYMENT	VOUCHER NUMBER	SCHEDULE NUMBER	[illegible]
BALANCE DUE [X] SELLER	[ ] GOVERNMENT		$ [illegible]

NAME AND LOCATION OF MINE

% GB & B 30.71

Boone, prospect-Mitchell County, N. C.

PROCESSED FOR PAYMENT (LBS.)	22.27
PROCESSED - NO PAYMENT (LBS.) THINS	
BLACK (*Dots, Spots, Stained*)	
UNDERSIZED	
PROCESSING LOSS	.17
TOTAL POUNDS PURCHASED	22.44

SELLER'S NAME AND ADDRESS (*Type or print*)

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 10-30-57

GSA WASH D C 58-3177

GSA FORM 1013a SEPTEMBER 1957

FORM APPROVED BY COMP. GEN., U.S. MARCH 25, 1957

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT - PROGRAM B - MICA PURCHASE

(MICA REGULATION 7, REVISION 3, AMENDMENT 2, FURTHER AMENDED BY 4 AND 8)

MICA PURCHASE DEPOT - Spruce Pine, N. C.

DATE PURCHASED: 9-6-57

ACCEPTANCE NUMBER: 303-34 (a) Max. $540

R.A.I. NUMBER: [redacted]-4-334 B	LOT NUMBER: [redacted]-34 (a)	VOUCHER NUMBER:	SCHEDULE NUMBER:
TYPE OF MICA: [ ] RUBY [X] NONRUBY	POUNDS PURCHASED: [redacted].00	INITIAL PAYMENT: $ 233.33	

STATEMENT OF ACTUAL YIELD

QUALITY	POUNDS	PROGRAM A - VALUE STAINED MICA (5)
1. GOOD STAINED AND BETTER	17.21	
2. STAINED	11.50	$ 76.62
3. HEAVY STAINED	1.84	
4. TOTAL YIELD	30.55	

COSTS

6. RIFTING: 162 HOURS X $ 1.05 = $ 171.15

7. TRIMMING: 194 HOURS X $ 1.10 = $ 213.40

8. RIFTING AND TRIMMING (Per pound)

TOTAL COSTS (Items 6 and 7) $ 384.55 ÷ TOTAL YIELD (Item 4) 30.55 = COST PER LB. $ 12.58

COMPUTATION OF FINAL PAYMENT

9. POUNDS OF GOOD STAINED AND BETTER (Item 1) 17.21 X $ 33.333 PER LB. - NONRUBY / $ [redacted] LB. - RUBY =	$ 573.66
10. POUNDS OF STAINED (Item 2)	NUMBER OF POUNDS 11.50
11. POUNDS OF GOOD STAINED AND BETTER (Item 1) 17.21 X 1.5 = EQUIVALENT LBS. OF STAINED	NUMBER OF POUNDS 25.82
12. DIFFERENCE (Item 10 minus 11)	NUMBER OF POUNDS -0-
13. PROGRAM A - VALUE OF STAINED (Item 5) $ 76.62 ÷ LBS. OF STAINED (Item 2) 11.50 =	(Per lb.) $ 6.66
14. DUE SELLER ON STAINED (Item 12) X (Item 13) $ =	$
15. TOTAL (Item 9 + Item 14)	$ 573.66
16. COST OF RIFTING AND TRIMMING (Item 12 x Item 8)	$
17. GROSS AMOUNT DUE SELLER (Item 15 - Item 16)	$ 573.66
18. MAXIMUM ALLOWABLE ([redacted].00 lb [redacted] 27¢)	$ 615.60
19. INITIAL PAYMENT	$ 233.33
20. DUE [X] SELLER [ ] GOVERNMENT	$ 340.33

NAME AND LOCATION OF MINE

Boone Prospect, Phillips property
Mitchell County, N. C.

SELLER'S NAME AND ADDRESS (Type or print)

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

APPROVED

DEPOT SUPERINTENDENT: [signature]

DATE: 11-6-57

GSA WASH D C 58-3177

GSA FORM 1013b SEPTEMBER 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 10-2-57

ACCEPTANCE NO.: A03-253 (a)

VOUCHER NO.:

CERTIFICATE AUTHORIZATION NO.: [redacted]S-4-17 A

LOT NO. SP A0-253 (a)

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	30.50	17.38	12.16	.96	504.93
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS, SPOTS, STAIN					
UNDERSIZED					
PROCESS - [redacted] LOSS	.18				
TOTAL LBS. PURCHASED	30.68				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO 371.29

BALANCE DUE GOVERNMENT [ ] SELLER [X] 133.64

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect, Phillips property
Mitchell County, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 10-14-57

R3 T152 JULY 1957

GSA-WASH DC 58-592

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 9-16-57

ACCEPTANCE NO.: [illegible]-206(a)

CERTIFICATE AUTHORIZATION NO.: [illegible]-17

LOT NO.: SP [illegible]-206(a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	25.38	14.63	10.44	.31	464.99
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS / SPOTS / STAIN					
UNDERSIZED					
PROCESS - ~~GAIN~~ LOSS	.05				
TOTAL LBS. PURCHASED	25.33				

FOR USE OF CERTIFYING OFFICER

LESS - INITIAL PAYMENT - VOUCHER NO. SCH. NO. 320.22

BALANCE DUE GOVERNMENT [ ] SELLER [X] 144.77

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone Prospect, Phillips Property
Mitchell County, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 10-4-57

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 8-23-57

ACCEPTANCE NO.: A03-146 (a)

CERTIFICATE AUTHORIZATION NO.: DMS-4-17 A

LOT NO.: SP AC-146 (a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	34.10	13.38	18.06	2.66	387.89
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - GAIN ~~LOSS~~	.22				
TOTAL LBS. PURCHASED	33.88				

FOR USE BY CERTIFYING OFFICER

INITIAL PAYMENT [illegible] 257.09

BALANCE DUE GOVERNMENT [illegible] X 130.80

SELLER'S NAME AND ADDRESS

Clifton V. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect, Phillips propert
Mitchell County, N. C.

APPROVED

[illegible] 9-20-57

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: [redacted]

ACCEPTANCE NO.: [redacted] (a)

CERTIFICATE AUTHORIZATION NO.: DMS-4-17 A

LOT NO.: SP [redacted] (a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	11.25	3.93	6.95	.37	[redacted]
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS / SPOTS / STAIN					
UNDERSIZED					
PROCESS - GAIN [redacted]	.12				
TOTAL LBS. PURCHASED	11.13				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 261.77

BALANCE DUE GOVERNMENT [ ] SELLER [X] 18.72

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect, Phillips property
Mitchell County, N. C.

APPROVED

[signature] 9-13-57

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 8-8-57

ACCEPTANCE NO.: A03-109 (a)

VOUCHER NO.:

CERTIFICATE AUTHORIZATION NO.: DMS-4-17 A

LOT NO.: SP A0-109 (a)

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS.-HVY.STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	19.82	7.00	10.57	2.25	239.20
PROCESSED - NO PAYMENT					
THINS					
BLACK SPOTS STAIN					
UNDERSIZED					
PROCESS LOSS	.05				
TOTAL LBS. PURCHASED	19.87				200.48

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 38.72

BALANCE DUE

GOVERNMENT [ ] SELLER [X]

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N.C.

NAME OF MINE AND LOCATION

Boone prospect, Phillips property
Mitchell County, N. C.

APPROVED

[signature] 9-6-57

DEPOT SUPERINTENDENT DATE

R3 T152 JULY 1957

GSA-WASH DC 58-592

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 8-5-57

ACCEPTANCE NO.: A03-103 (a)

VOUCHER NO.:

CERTIFICATE AUTHORIZATION NO.: DMS-4-17 A

LOT NO.: SP A0-103 (a)

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	33.00	11.46	18.44	3.10	426.89
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS, SPOTS, STAIN					
UNDERSIZED					
PROCESS - ~~XXXX~~ LOSS	.06				
TOTAL LBS. PURCHASED	33.06				

FOR USE OF CERTIFYING OFFICER

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

BALANCE DUE: 354.98

GOVERNMENT [ ] SELLER [X]: 71.31

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect, Phillips property
Mitchell County, N. C.

APPROVED

T. D. McEniry 9-4-57

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C. B

DATE PURCHASED: 8-14-57

ACCEPTANCE NO.: Kem. $940 B03-21 (a)

CERTIFICATE AUTHORIZATION NO.: DMS-4-17 B

LOT NO. SP: BO-21 (a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS.-HVY.STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	27.66	8.70	14.06	4.90	296.62
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS / SPOTS / STAIN					
UNDERSIZED					
PROCESS - GAIN / LOSS					
TOTAL LBS. PURCHASED	2520.00				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. Cost of Lifting & Trimming 11.44

233.18 } 285.18

BALANCE DUE GOVERNMENT [ ] SELLER [X] 51.85

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect, Phillips pr
Mitchell County, N. C.

APPROVED

DEPOT SUPERINTENDENT

10-15-57

DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C. B

DATE PURCHASED: 6-25-57

ACCEPTANCE NO.: Max. #540 BO4-176 (a)

CERTIFICATE AUTHORIZATION NO.: DMS-4-324 B

LOT NO. SP: BO-176 (a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	43.51	21.69	17.63	4.19	675.00
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS / SPOTS / STAIN					
UNDERSIZED					
PROCESS - GAIN / LOSS					
TOTAL LBS. PURCHASED	2500.00				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 399.98

BALANCE DUE GOVERNMENT [ ] SELLER [X] 275.02

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect
Mitchell County, N. C.

APPROVED

[signature] 9-6-57

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

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

September 10, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 13 1957

DATE	INITIALS	CODE
9/13	G	220
9/13	Yoch	600

Memorandum

To: Finance Officer - Region V - (DMEA)

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Royalty Payment - DMEA-4449, Idm-E1042 (mica) Clifton Buchanan, Operator. Boone Prospect, Mitchell County, N.C.

Attached are settlements sheets in the amount of $2,125.53, and a check dated Sept. 9, 1957 in the amount of $105.78 royalty on the sales.

Robert A. Laurence

zm.
Mittendorf
Lynch
Files

467.53
347.00
381.91
558.59
310.50
60.00

2,125.53
05

1062765

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: [illegible]

ACCEPTANCE NO.: A03-8 (a)

CERTIFICATE AUTHORIZATION NO.: D46-4-17 A

LOT NO.: SP A0-8 (a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	30.77	11.33	17.34	2.10	467.53
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS, SPOTS, STAIN					
UNDERSIZED					
PROCESS LOSS	.16				
TOTAL LBS. PURCHASED	30.93				

FOR USE OF CERTIFYING OFFICER

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

BALANCE DUE 374.80

GOVERNMENT ☐ SELLER ☒ 92.73

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect-Mitchell County, N. C.

APPROVED

[signature] 7-25-57

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 7-17-57

ACCEPTANCE NO.: A03-49 (a)

VOUCHER NO.:

CERTIFICATE AUTHORIZATION NO.: D43-4-17 A

LOT NO. SP A0-49 (a)

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	35.29	10.75	19.57	4.97	558.39
PROCESSED - NO PAYMENT					
THINS	1.63				
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS LOSS	.26				
TOTAL LBS. PURCHASED	37.18				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 530.51

BALANCE DUE GOVERNMENT [ ] SELLER [X] 28.08

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone Prospect-Mitchell County, N. C.

APPROVED: [signature] 8-7-57

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: [illegible]

ACCEPTANCE NO.: A03-8 (a)

CERTIFICATE AUTHORIZATION NO.: [illegible]-4-17 A

LOT NO. SP: A0-8 (a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	30.77	11.33	17.34	2.10	467.23
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS / SPOTS / STAIN					
UNDERSIZED					
PROCESS LOSS	.16				
TOTAL LBS. PURCHASED	30.93				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 374.80

BALANCE DUE GOVERNMENT [ ] SELLER [X] 92.73

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect-Mitchell County, N. C.

APPROVED

[signature] 7-23-57

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 6-[illegible]-57

ACCEPTANCE NO.: A04-1213 (a)

CERTIFICATE AUTHORIZATION NO.: 3[illegible]-4-17 A

LOT NO. SP: A0-1213 (a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. S.	LBS. - STAINED	LBS. - HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	28.93	11.00	15.31	2.62	381.91
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS / SPOTS / STAIN					
UNDERSIZED					
PROCESS - GAIN / [redacted]	.05				
TOTAL LBS PURCHASED	28.88				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 335.95

BALANCE DUE GOVERNMENT [ ] SELLER [X] 45.96

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone Prospect-Mitchell County, N. C.

APPROVED

[signature] 7-19-57

DEPOT SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

GENERAL SERVICES ADMINISTRATION

REGION 3

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

B

DATE PURCHASED: 5-13-57

ACCEPTANCE NO.: Max. $340 B04-155 (a)

CERTIFICATE AUTHORIZATION NO.: 1948-4-324 B

LOT NO.: SP B0-155 (a)

VOUCHER NO.:

	TOTAL WGT. (LBS.)	LBS. - G. P.	LBS. - STAINED	LBS. - HVY STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	26.12	15.77	7.54	2.81	310.30
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - GAIN LOSS					
TOTAL LBS. PURCHASED	1150.00				

LESS: INITIAL PAYMENT - VOUCHER NO. 200.02

BALANCE DUE GOVERNMENT 110.48

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone prospect, Mitchell County, N. C.

APPROVED: 7-31-57

SUPERINTENDENT DATE

GSA-WASH DC 58-592

R3 T152 JULY 1957

Spruce Pine, N. C. July 22 57

Bought From Clifton Buchanan

1228 lbs. Gross

220 lbs. Tare

1008 lbs. Net Wt. @ 300.00 per ton $ 60.00

lbs.

lbs.

MINERALISH MICA COMPANY

By

Scrap

DMEA FORM 6 REFERENCE SLIP 8/13

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. ~~110~~		
2. 600		8/14
3.		
4.		
5.		
FROM:		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

Finish 6

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- 6

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of JUNE 1957 Docket No. DMEA NO 4449 Contract No. IDM_EI042

Operator's Name CLIFTON D. BUCHANAN Minerals MICA.

Address SPRUCE PINE, N. C. P.O. BOX 218

Contract Amount, $5552.00 Government Participation: ____% Amount, $4164.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting 12ft. @ 33.50	402.00	2278.00	2680.00			
SHAFT.		2796.00	2796.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	~~$76.00~~	76.00	76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$402.00	5150.00	5552.00	402.00	5150.00	5552.00

RECEIVED AUG 13 1957 D.M.E.A.

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

Date 7-10-1957 *Payee Clifton D. Buchanan

Per _____ Title OPERATOR.

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

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

(Instructions on reverse)

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

$ 301.50

Signature Helen R. Miller (Authorized Certifying Officer)

Date AUG 9 1957 Vou. No. 21

(See other side)

100.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-1042 in accordance with the terms of the contract.

Signature S. C. Benjamin Title GEOLOGIST, U. S. G. S. Date JUL 15 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA FIELD TEAM REGION V Date AUG 7 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of JUNE. 195 7 Docket No. DMEA 4440 Contract No. IDM-EI042

Operator's Name CLIFTON D. BUCHANAN Minerals MICA.

Address SPRUCE PINE, N. C. P.O. BOX 218

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	FT.	402.00	12	2680.00	80	33.50	80	33.50
Crosscutting								
Raising								
Shafts	FT.			2796.00	60	46.60	60	46.60
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		402.00		5476.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				76.00				
Total Costs				5552.00				

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 7-10-1957 Operator Clifton D. Buchanan

Per ..... Title OPERATOR.

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

Remarks:

(Instructions on reverse)

(For Government use only) S. C. Bergman

GEOLOGIST, U. S. G. S. JUL 15 1957

RECEIVED AUG 13 1957 DMEA

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

DEMA NO. 6449

OPERATORS.
MONTHLY PROGRESS REPORT.
for the
Month of June 1957

Work Accomplished.

Drilled, blasted and mucked 3 rounds, for a total of 12 ft. advanced for the month.
Got 800 to 1000 lbs Mica completed Contract.

Daily notes.
1. No work
2. SUNDAY
3. Went to mountain cut trees truck load of timber for mine.
4. Finished mucking out ,Cut and fixed round of timber.
5. Put in a 6ft. lenth of timber, Drilled 4ft. round of holes. Blaste
6. Mucked all day got 400lbs of Mica.
7. Drilled round of 4ft. holes.Blasted mucked rest of day. got 300lbs of Mica.
8. No work.
9. SUNDAY.
10. No work.
11. No work.
12. No work.
13. Finished mucking out, Drilled round of 4ft. holes blasted ,got 100lbs of Mica.
14. Put in a 6ft. lenth of timber,Drilled round. This finished 60ft. of Drifting.

EXTRA COPY
DMEA
RECEIVED AUG 13 1957

DATE	INITIALS	CODE
8/14	[illegible]	600

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/5	Talbert	800
8/6	P.K.	220
		600

AUG - 5 1957

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

Re: Docket No. DMEA-4449 (Mica)
Clifton D. Buchanan
Boone Prospect
Mitchell County, N. C.
Contract No. Idm-E1042

Dear Mr. Laurence:

As requested in your memorandum of August 1, 1957, a Report of Review in lieu of a final audit of the referenced project has been prepared. The original and two copies thereof, together with the original of the final MF-104 submitted with your memorandum, are enclosed.

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

Sincerely yours,

(Signed) E. D. Talbert

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

Enclosure

EDTalbert/wb
August 5, 1957

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

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1000 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

August 1, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE		CODE
8/5	P.K.	220
8/5	[illegible]	800
8/5	[illegible]	600

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Operator's Final Report on - Idm-E1042, DMEA-4449-mica
Boone Prospect, Mitchell County, N.C.

Attached are four copies of the subject report, received today.

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

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

Operator's Final Rpt

z

Clifton D. Buchanan DMEA 4449 Idm.-E 1042 Mineral Mica
Box 218
Spruce Pine, N. C. , Mitchell County

Final Report

Moved in machinery. Set up hoist and air compressor. Laid air line. Put in electric line for pump and lights. Built tool house. Unit cost $76.00.

Sunk 5 x 7 ft. shaft. Two compartments. 50 ft. deep. Unit cost $46.60.

Shaft was on incline with dipe of vein. Large core of quartz or flint in center of vein. Vein gave mica from 30 - 55 ft. Slate came in vein in bottom.

Cut drift 5 x 7 on south end of vein - 36 ft. Unit cost $33.50. Have some mica in bottom of vein and we believe good deposit in top of drift.

Cut drift 44 ft. on east end of vein. Unit cost $33.50. Got mica in all this drift. Vein was the richest 18 - 35 ft. up this drift. Vein has mica in top and bottom of entire drift. We believe we have good deposit of non Ruby mica that can be recovered.

Operator Clifton D Buchanan
Clifton D. Buchanan

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE

RECEIVED
AUG 1 1957
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

RECEIVED
AUG 1 - 1957
Knoxville, Tenn.

July 30, 1957

Memorandum

To the File

From: L. G. Houk, Director, Division of Nonmetallic Minerals

Subject: Substance of telephone conversation of July 30, 1957 with Mr. R. A. Laurence

Docket No. DMEA-4449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, N. C.
Contract No. Idm-E1042

Mr. Laurence advised that they have not received the final report from the operator. They will get the final field team report in as soon as possible.

DEFENSE MINERALS ADMINISTRATION

97022

PRODUCTION EXPANSION DIVISION

EXPLORATION LOANS

Name of Company and Address: _____

Name of Mine and Location _____

Docket No. D.M.A. _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Amount of Total Project: _____

Government participation, percent and amount _____

Number of subprojects in total application _____

Type of Exploration	Feet	Cost per foot	Total cost
Preparatory & Rehabilitation			
Equipment			
Shaft sinking & winzes			
Drifts and crosscuts			
Raises			
Diamond or churn drilling			
Other			

Comments on Contract _____

_____

_____

_____

Date sent to Applicant for signature _____

Date returned to P.E.D. _____

Date sent to Legal _____

Date signed by Administrator _____

Additional remarks: _____

_____

_____

Interior—Duplicating Section, Washington, D. C.

Signed _____

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

July 18, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 22 1957

DATE	INITIALS	CODE
7/22	C	220
7/22	Nza	600

Memorandum

To: Finance Officer, DMEA - Region V

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

Subject: Royalty Payment - DMEA-4449, Idm-E1042-mica.
Clifton Buchanan, Boone Prospect, Mitchell County, N.C.

Attached are settlement sheets in the amount of $$1,576.70, and a check for 5% royalty in the amount of $78.84 to be credited to the subject contract.

V. J. Lynch

zm.
cc
Mittendorf
Lynch
Shirley
Files

GENERAL SERVICES ADMINISTRATION

MICA PURCHASING DEPOT

DATE PURCHASED: 6-17-57

ACCEPTANCE NO.: A04-1189 (a)

CERTIFICATE AUTHORIZATION NO.: DMC-4-17 A

A0-1189 (a)

VOUCHER NO.:

	TOTAL WT. LBS.			LBS.-HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	36.18	12.62	19.65	3.91	529.42
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS LOSS	.07				
TOTAL LBS. PURCHASED	36.25				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 328.86

BALANCE DUE GOVERNMENT [ ] SELLER [X] 200.56

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone Prospect, Mitchell County, N. C.

APPROVED

DEPOT SUPERINTENDENT

DATE 7-3-57

Form R4-T36, May 1956

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N.C.

DATE PURCHASED: 6-7-57

ACCEPTANCE NO.: A04-1170 (a)

VOUCHER NO.:

CERTIFICATE AUTHORIZATION NO. [illegible]-4-17 A

CONTRACT NO. A0-1170 (a)

	TOTAL WGT (LBS.)	[illegible]	[illegible]	LBS.-HVY. STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	31.22	15.42	14.46	1.34	499.26
PROCESSED - NO PAYMENT					
THINS	1.53				
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - [redacted] LOSS	.13				
TOTAL LBS. PURCHASED	32.88				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 419.43

BALANCE DUE GOVERNMENT [ ] SELLER [X] 79.83

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone Prospect-Mitchell County, N. C.

APPROVED

[signature] 6-28-57

DEPOT SUPERINTENDENT DATE

Form R4-T36, May 1956

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT - SPRUCE PINE, N. C.

DATE PURCHASED: 6-3-57

ACCEPTANCE NO.: A04-1156 (a)

CERTIFICATE AUTHORIZATION NO.: BMS-4-17 A

LOT NO.: SF

VOUCHER NO.: A0-1156 (a)

	TOTAL WGT (LBS)	LBS - G. S.	LBS. - STAINED	LBS.-HVY.STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	20.10	5.13	12.79	2.18	253.75
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS GAIN	.10				
TOTAL LBS. PURCHASED	20.00				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO.	SCH. NO	213.05
BALANCE DUE	GOVERNMENT [ ] SELLER [X]	40.70

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone, Prospect-Mitchell County, N. C.

APPROVED: [illegible] 6-21-57

DEPOT SUPERINTENDENT — DATE

Form R4-T36, May 1956

GENERAL SERVICES ADMINISTRATION

FINAL SETTLEMENT

MICA PURCHASING DEPOT, SPRUCE PINE, N. C.

DATE PURCHASED: 5-22-37

ACCEPTANCE NO.: A04-1128 (a)

VOUCHER NO.:

CERTIFICATE AUTHORIZATION NO.: DMS-4-17 A

LOT NO.: SP A0-1128 (a)

	TOTAL WGT (LBS)	LBS. - G. S.	LBS. - STAINED	LBS.-HVY.STAINED	TOTAL VALUE
PROCESSED FOR PAYMENT	17.56	6.18	9.38	2.00	294.27
PROCESSED - NO PAYMENT					
THINS					
BLACK - DOTS SPOTS STAIN					
UNDERSIZED					
PROCESS - GAIN ~~LOSS~~	.12				
TOTAL LBS. PURCHASED	17.44				

FOR USE OF CERTIFYING OFFICER

LESS: INITIAL PAYMENT - VOUCHER NO. SCH. NO. 233.87

BALANCE DUE GOVERNMENT [ ] SELLER [X] 60.40

SELLER'S NAME AND ADDRESS

Clifton D. Buchanan
Box 218
Spruce Pine, N. C.

NAME OF MINE AND LOCATION

Boone Prospect-Mitchell County, N. C.

APPROVED

[signature] 6-14-37

DEPOT SUPERINTENDENT DATE

Form R4-T36, May 1936

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 7-5

Referred to:

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

Note comments in report regarding:

1.

2. No royalty has been rec'd from Operator.

3. Talbert 9/9/59

4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Robert E. Adams

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 5 1957

DATE	INITIALS	CODE
7/5	C	220
5	Com	100
7/10	Tub	600

INTERIM REPORT

DMEA-4449, Idm-E1042 (Mica) Boone Prospect

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Location: 2.3 airline miles S59°W of Spruce Pine, Mitchell County, N. C.

This contract has been completed. Considerable reserves have been outlined by work completed under the contract and the field examiners will recommend certification.

Drift work to the northeast has been in progress during the interim. All drift work has been accomplished from the 45 foot shaft level along the trend of the pegmatite; 36 feet have been driven to the southwest and 54 feet have been driven to the northeast. Drift work will continue to the northeast in the near future according to the operator. The government participated in 60 feet of inclined shaft and 80 feet of drift; the additional 10 feet of recorded drift as shown above was conducted at the operator's own expense.

To date th operator has sold 7600 pounds of mine-run mica under the block program and complete returns will not be available until the mica has been processed by the GSA Depot. Total initial payments in excess of $600.00 has been made to the operator. At least 136 pounds of trimmed mica has been sold and initial payments on four sales and one final payment have been made to the operator which total $1,591.56. Initial payments indicate an average preliminary payment of approximately $10.00 per lb for processed mica. A final return has been received on a sale of 17.56 lbs of mica made on May 22, 1957, and the final average per pound was $16.76. The operator reports at least 20 pounds of processed mica ready for sale as well as some mine-run block, punch and scrap that have not been sold.

Work under the contract was conducted in an efficient manner and an excellent job of timbering was accomplished.

Mr. F. Gervosio, I.C.A. participant from the Phillipines, accompanied the examiner on this visit to the mine.

L. E. Shirley

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

June 26, 1957

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DMEA
RECEIVED JUN 24 1957

DATE	INITIALS	CODE
6/25	C	220
6/25	Cox	100
6/26	Hrb	600

INTERIM REPORT

DMEA-4449, Idm-E-1042, Boone Prospect
(mica)

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, North Carolina

Location: 2.3 airline miles S59°W of Spruce Pine, Mitchell County, North Carolina

Drifting continues on this contract and to date totals 72 feet; 36 feet have been driven to the northeast and 36 feet to the southwest. The present advance has been confined to the northeast drift, which has produced considerable mica as previously reported. The present face is separated by a lens of quartz 4 to 6 inches thick which is overlain by a coarse grained mica-bearing pegmatite zone grading into barren K feldspar. This same quartz lens is underlain by coarse grained pegmatite and barren K feldspar which grades into alaskite in the drift floor. Mica of poor quality was observed in the face, but the examiners are of the opinion that good mica production has continued during the Interim, since no appreciable changes were noted in the character of the material.

No one was present at the mine at the time of this inspection and the operator could not be contacted to learn the amount of production during the Interim. Solid timbering by use of top and side lagging with stulls on 5-foot centers continued to be necessary in this drift due to the weathered condition of the pegmatite, and an excellent job of timbering is being accomplished. Progress on this contract is satisfactory.

Inspected: June 10, 1957

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

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

P. O. Box 217
June 17, 1957

Memorandum

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

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

Subject: Monthly report and voucher

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

Idm-7042 Clifton D. Buchanan
Docket No. DMEA-4449
4th payment - month of May
Amount $1215.83

Helen R. Miller

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

EXTRA COPY
DMEA
RECEIVED JUN 20 19
DATE | INITIAL | CODE
6/20 | Hank | 600

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 76

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1957 Docket No. DMEA 4449 Contract No. Idm-B 1042

Operator's Name Clifton Buchanan Minerals Mica

Address Box 218, Spruce Pine, North Carolina

Contract Amount, $ 5552.00 Government Participation: ____ % Amount, $ 4164.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting 47' @33.50	1574.50	703.50	2278.00			
Shaft	46.60	2749.40	2796.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		76.00	76.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1621.10	3528.90	5150.00	1621.10	3528.90	5150.00

RECEIVED JUN 19 1957 D.M.E.A.

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

Date June 5, 1957 Payee Clifton D Buchanan

Per _____ Title Operator

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

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

(Instructions on reverse)

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

$ 1215.83

Signature Peter R. Meier
(Authorized Certifying Officer)

Date JUN 17 1957 Vou. No. 205
(See other side)

405-27

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E104/2 in accordance with the terms of the contract.

Signature W. A. Beck Title MINING ENGINEER U. S. BUREAU OF MINES Date JUN 1 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA FIELD TEAM REGION V Date JUN 1 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1957 Docket No. DMEA 4449 Contract No. Idm-E1042
Operator's Name Clifton Buchanan Minerals Mica
Address Box 218, Spruce Pine, 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	Ft.	1574.50	47	2278.00	68	33.50	80	33.50
Crosscutting								
Raising								
Shafts	Ft.	46.60	1	2796.00	60	46.60	60	46.60
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1621.10		5074.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				76.00				
Total Costs		1621.10		5150.00				

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 5, 1957 Operator Clifton D Buchanan

Per Title Operator

Remarks: One foot of shaft omitted in April Report thru mathematical error. Claimed on this report.

Clifton D Buchanan
Clifton D. Buchanan

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

(Instructions on reverse)

(For Government use only)

RECEIVED JUN 19 1957 D.M.E.A.

W A Beck
MINING ENGINEER
U. S. BUREAU OF MINES

JUN 14 1957

INSTRUCTIONS

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

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

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

GPO 872894

DMEA No. 4449

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of May 1957

Work Accomplished

Run cross cut 36 ft. South West side of shaft. Vain got poor so we started in North East end of vain. Drilled, blasted, and mucked 12 rounds for a total of 47 foot advance for the month. Four men on regular shift recovered 46 hundred pound of mica for the month.

Daily Notes

May 1. Cut and put in timber, drilled round, and blasted.

May 2. Mucked out and cut timbers.

May 3. Put in round of timbers and drilled around.

May 4. No work

May 5. Sun.

May 6. Blasted round 4 ft. holes, mucked rest of day.

May 7. Cut and put in 5 ft. round of timbers, mucked three hours, drilled 7, four foot holes.

May 8. Loaded and blasted, got no mica.

May 9. Sick leave.

May 10. Sick leave.

May 11. No work.

May 12. Sun.

May 13. Began work on other side of shaft, Cut through side of timber, shot some holes.

May 14. Mucked out, drilled round and blasted, got 500 pounds of mica.

May 15. Finished mucking out, drilled round and blasted, Cut round of timber ready to put in, Discussed contract with visiting field team engineers.

May 16. Put in a ring of timber. Fixed bottom so we could dump muck in bucket.

May 17. Drilled round and blasted. Got 6 or 8 hundred pound of mica.

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DATE	INITIALS	CODE

May 17. Drilled round and blasted, got 6 or 8 hundred pound of mica.

May 18. No work.

May 19. Sun.

May 20. Mucked seven hrs cut timber rest of day, got 2 hundred pounds of mica.

May 21. Finished mucking out, put in 5 ft. round of timber, drilled and blasted 9, four foot holes, got 3 hundred pounds of mica.

May 22. Mucked all day, got 6 hundred pound of mica.

May 23. Drilled,blasted 7, four ft. holes, mucked rest of day, got 4 hundred pounds of mica.

May 24. Put in seven foot ring of timbers, mucked two hours.

May 25. No work.

May 26. Sun.

May 27. Rain

May 28. Drilled round and blasted, mucked rest of day, got 8 hundred pounds of mica.

May 29. Drilled round and blasted, cut and brought in a round of timber, mucked rest of day, got 4 hundred pound of mica. Field team engineers visited today.

May 30. Put in 5 ft. ring of timber. Drilled 8, four foot holes and blasted, got 7 hundred pound of mica.

May 31. Mucked out, 6 hrs, drilled and blasted, got 400 pound of mica.

INTERIM REPORT

DMEA-4449, Idm-E1042 (Mica) BOONE PROSPECT

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Location: 2.3 airline miles S59°W of Spruce Pine, Mitchell Co., N. C.

Drifting continues on this contract and a total of 61 feet have been completed to date; 36 feet have been driven to the southwest and 25 feet have been driven N35°E. Activity during the interim has been confined to the northeast drift and about 3500 pounds of mine-run book mica has been produced during the last two work weeks. The present face shows from roof to floor; 3.5 feet of fine grained pegmatite, barren of mica; 1 ft. of weathered gneiss; 2.5 feet of coarse grained mica-bearing pegmatite (from the lower gneiss contact to the drift floor). The greater mica concentration is confined to a zone just underneath the gneiss.

According to the operator, sales have been made recently to the GSA Depot, Spruce Pine, N. C., both processed mica and mine-run block. Final settlement has not been received by the operator. Progress on this contract has been satisfactory.

L. E. Shirley

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

S. C. Bergman

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

May 29, 1957

OFFICIAL FILE COPY U. S.
DMEA
RECEIVED JUN 7 1957

DATE	INITIALS	COPY
6/10	Cone	100
12	A	600

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 24 1957

DATE	INITIALS	CODE
5/24	C	220
5/27	H	

INTERIM REPORT

DMEA 4449, Idm-E1042(mica) BOONE PROSPECT

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Location: 2.3 airline miles S 59°W of Spruce Pine, Mitchell County, North Carolina

Drifting to the southwest has been stopped and the drift started toward the northeast. Drift completed is 8 feet S 27° W, 26 feet S 53° W and 6' N 27° E, making a total of 40 feet. All but about 10 feet of the drift had to be timbered solid. The southwest drift became progressivley more weathered and soft while both the quality and quantity of mica decreased. The 6 feet of drift to the northeast is in fairly unweathered material. Medium grained oligioclase-quartz-muscovite pegmatite makes up the southeast wall while stringers of schist interfoliated with pegmatite make up the opposite wall. About 900 pounds of "mine-run" block muscovite has been recovered from the six feet of drift to the northeast. Suggestions were made as to continueing the northeast heading. Progress has been very good and adequate timber used wherever needed.

Inspected: May 17, 1957.

Wm. A. Beck, Mining Engineer
Bureau of Mines

S. C. Bergman, Geologist
Geological Survey

z

P. O. Box 217
Norris, Tennessee
May 10, 1957

Memorandum

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

From: Administrative Assistant, Norris, Tennessee

Subject: Monthly report and voucher

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

Idm-E1042 Clifton D. Buchanan
Docket No. DMEA-4449
3rd payment - month of April
Amount $667.42

Helen R. Miller

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

EXTRA COPY
D M E A
RECEIVED MAY 13 1957

DATE	INITIALS	CODE
5/13	RL	110
5/14	Ara	600

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K- 68

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1957 Docket No. DMEA 4449 Contract No. Idm-E I042

Operator's Name Clifton Buchanan Minerals Mica

Address Spruce, Pine N.C. P.O. Box 218

Contract Amount, $ 5552.00 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 21 ft	703.50	978.60				
Drifting						
Shaft. 4 ft.	186.40	1584.40	3452.90			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Tool House.	[illegible]*	76.00	76.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	889.90	2639.00	3528.90	889.90	2639.00	3528.90

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

Date May 6, 1957 *Payee ____

Per ____ Title Operator.

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

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

(See instructions on reverse)

RECEIVED DATE MAY 13 1957 EXTRA DMA CODE 2

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

$ 667.42

Signature Helen R. Miller
(Authorized Certifying Officer)

Date MAY 10 1957 Vou. No. 188

(See other side)

222.48

(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-1042 in accordance with the terms of the contract.

Signature N. J. Lynch Title MINING ENGINEER U. S. BUREAU OF MINES Date MAY 9 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA FIELD TEAM REGION V Date MAY 9 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1957 Docket No. DMEA 4440 Contract No. [illegible]
Operator's Name Clifton Beckman Minerals Mica
Address Grace Fire, R.C. P.O. Box 210

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	[illegible]	705.00	21		21	33.50	00	33.50
Raising								
Shafts	[illegible]	306.40	6	2,452.00	~~60~~ 59	46.60	00	46.60
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bond [illegible]	[illegible]			75.00	1	75.00	1	75.00
TOTAL DISTRIBUTED COSTS		000.00		~~[illegible]~~ 5,588.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		000.00		8,000.00				

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 [illegible] Operator Clifton D. Beckman

Per ____ Title [illegible]

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)

V. J. Lynch

MINING ENGINEER
U. S. BUREAU OF MINES

60

34
21
13

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

IM[illegible] No. 4449

OPERATORS
MONTHLY PROGRESS REPORT
for the
MONTH OF APRIL, 1957

Work Accomplished

Finished sinking shaft 60 ft. Cut out timber on south side of shaft and begun cross cutting. Mine got flooded. Had to shut down about 10 days except for pumping water. Drilled round and blasted in shaft and mucked out for 4 ft. advance. Drilled and blasted 4 rounds in crosscut for a total advance of 21 ft. for April, 1957. Recovered around 1500 lbs. mica in crosscutting.

Daily Notes:

April 1. Mucked out and drilled round.

April 2. Blasted rounds. Mucked rest of day.

April 3. Timbered some. Field engineers visited and discussed operation with them. Rained us out.

April 4. Mine flooded. Shut down to 15th.

April 15. Mucked out water hole.

April 16. FINISHed mucking out. Took some timber out of south side of shaft.

April 17. Floored over water hole. Field engineer visited again today.

April 18. Finished cutting out timber for crosscutting. Drilled round and blasted.

April 19. Mucked all day. Got about 600 lbs. mica.

April 20. No work.

April 21. Sunday.

April 22. Finished mucking out. Got 200 lbs. mica. Put in some timber.

April 23. Drilled round and blasted. Mucked and worked on timbering. Got 300 lbs. mica.

April 24. ~~Mucked about one hour. Cut and set timber. Back failed rest of day.~~ Mucked and worked on timber. Had a slide in on east side of drift.

April 25. Mucked all day.

April 26. Mucked about one hour. Cut and set timber.

April 27. No work.

April 28. Sunday.

April 29. Drilled round and blasted. Mucked rest of day. Got about 400 lbs. mica.

April 30. Drilled round and blasted. Mucked rest of day.

INTERIM REPORT

DMEA-4449, Idm-E1042 (Mica) BOONE PROSPECT

Operator: Clifton D. Buchanon, Box 218 Spruce Pine, N. C.

Location: 2.3 airline miles S59°W of spruce Pine, Mitchell Co., N. C.

Drifting is underway on the contract to the southwest and an advance of 21.5 feet has been made during the interim; 10.5 feet has been driven S23°W and 11.0 feet has been driven S58°W. Material encountered is weathered feldspar, scattered quartz and green muscovite of generally good quality. An estimated 1700 pounds of mine-run block has been recovered from the drift work. The present face shows an inclusion of highly weathered biotite gneiss and examination of dump material shows possible removal of other stringers of gneiss. Instructions were given for continued drifting in pegmatite. Progress on this contract is satisfactory.

L. E. Shirley

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

S. C. Bergman

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

May 2, 1956

OFFICIAL FILE COPY
D M E A
RECEIVED MAY 1957
DATE | CODE
5/13 | C
13 | 220
2/14 | 100
600

INTERIM REPORT

DMEA-4449, Idm-E1042 (mica) BOONE PROSPECT

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, North Carolina

Location: 2.3 airline miles S59°W of Spruce Pine, Mitchell Co., N. C.

Shaft sinking has been completed to a total depth of 60 feet on this contract. The turnoff of a drift level to the southwest at the 50-foot level was in progress at the time of this visit. Suggestions were made for timbering the drift solid if the weathered pegmatite requires it. The shaft was bottomed in country rock containing thin pegmatite lenses not exceeding 2feet in thickness. A few blocks of mica was recovered from the last 4 feet of shaft. Progress on this contract has been good.

L. E. Shirley

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

E. L. Boudette

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

April 17, 1957

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RECEIVED APR 29 1957

DATE	INITIALS	CODE
4/29	C	220
5/1	COM	100
5/2	A	600

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DMEA
RECEIVED APR 15 1957

DATE	INITIALS	CODE
4/15	C	220
"	CMM	100
4/17	C. Hook	650

INTERIM REPORT

DMEA-4449, Idm-E1042 (mica) BOONE PROSPECT

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Location: 2.3 airline miles S59°W of Spruce Pine, Mitchell Co., N. C.

Shaft sinking is nearing completion on this contract, and the present depth is 56 feet. Solid cribbing has been completed to the 50 foot level, and a partitioned manway containing permanent ladders has also been installed to this point. Material encountered during the last 13 feet of sinking has been pegmatite containing inclusions of biotite gneiss, and biotite gneiss containing lenses and pods of pegmatitic material. The quartz core which was followed during shaft sinking is no longer present. The country rock where best exposed near bottom strikes N10°-15°W and dips 30°NE. Slicken sides were observed on the hanging wall.

Mica production was generally good during shaft sinking. About 1500 pounds of good quality green muscovite was observed by the Examiners in a storage house near the Operator's home. Some books up to 8" x 10" were examined, and although containing some "A" structure, reeves, cracks, and other imperfections, little or no stain was observed.

Instructions were given for completion of the shaft, turning off a drift at the 45 foot level to the southwest. The mine continues to make considerable water, pumping around-the-clock is required, and

the Field Examiners are of the opinion that a deeper sump than usual will be required for successful operation of this mine. Turnoff will be made at a point where the pegmatite is thick enough to justify the drift work to follow.

The Operator was advised that solid top and side lagging would be required in the drift due to the weathered characteristics of the pegmatite encountered in shaft sinking. Progress on this contract is satisfactory.

L. E. Shirley

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

E. L. Boudette

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

April 3, 1957

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- 62

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1957 Docket No. DMEA 4449 Contract No. 1042
Operator's Name Clifton D. Buchanan Minerals Mica
Address Box 213, Spruce Pine, N. C.
Contract Amount, $ 5,552.00 Government Participation: ____% Amount, $ ____

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shafting (34')	1584.40	978.60	2563.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Tool house	-	76.00	76.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1584.40	1054.60	2639.00	1584.40	1054.60	2639.00

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

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

Date 4-4-57 *Payee Clifton D. Buchanan

Per ____ Title Operator

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

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

(Instructions on reverse)

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

$ 1188.30

Signature Helen R. Miller
(Authorized Certifying Officer)

Date APR 11 1957 Vou. No. 170

(See other side)

296.10

(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-1082 in accordance with the terms of the contract.

Signature [signature] Title MINING ENGINEER U. S. BUREAU OF MINES Date APR 8 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [signature] Title EXECUTIVE OFFICER DMEA REGION V Date APR 8 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

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 March 1957 Docket No. DMEA 4449 Contract No. 1042

Operator's Name Clifton D. Buchanan Minerals

Address Box 218, Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	1584.40	34	2563.00	55	46.60	60	46.60
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Tool house	EA	-	-	76.00	1	76.00	1	76.00
TOTAL DISTRIBUTED COSTS		1584.40		2639.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1584.40		2639.00				

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 4-4-57 Operator Clifton D Buchanan

Per Title Operator

REMARKS:

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

(Instructions on reverse)

(For Government use only)

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

N. J. Lynch
MINING E
U. S. BUREAU OF MINES

INSTRUCTIONS

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

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

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

GPO 872894

DMEA No. 4449

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DATE | INITIALS | CODE

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of March 1957

Work accomplished

Continued sinking shaft 5 x 7 on incline, timbered, drilled and blasted, mucked out twelve rounds for a total advance of 34 feet for the month. Three men on daylight shift, one on night shift to pump.

Daily Notes

March 1. Pumped out water. Back filled around shaft timber. Quarried and mucked out the rest of day.

March 2. Saturday.

March 3. Sunday.

March 4. Pumped out water, had some trouble with pump, sawed some timber, drilled round and blasted. Mucked rest of day.

March 5. Pumped water, mucked out, and timbered rest of day.

March 6. Finished timbering shaft, drilled round and blasted, used six instant caps. Recovered 5 or 6 pounds of mica.

March 7. Pumped water, finished top of shaft, put a new power line to pump, mucked out and got ready to drill.

March 8. Made some shelves in tool house, put up shop and heater.

March 9 and 10. No work, Saturday and Sunday.

March 11. Pumped water, drilled round and blasted, mucked the rest of day.

March 12. Pumped water, worked on pump, cleaned it out. Cut timber and timbered out shaft.

March 13. Drilled and blasted. Mucked and timbered.

March 14. Mucked six or seven hours. Put in timber rest of day (Hired a man to pump water) night shift.

March 15. Finished timbering, put in signal line and bell, sharpened picks. Drilled round and blasted. Mucked rest of day. Recovered 20 pounds mica.

March 16
and 17. No work, Saturday and Sunday.

March 18. Put in some timber, drilled round and blasted, mucked rest of day. Discussed operation with visiting field Team Engineer.

March 19. Put in some timber, finished mucking out. Drilled round, 7 2-foot holes and blasted, mucked rest of day.

March 20. Drilled round and blasted. Mucked rest of day. Recovered 200 pounds mica.

March 21. Drilled and blasted. Mucked. Recovered 250 pounds of mica.

March 22. Finished mucking out and timbered rest of day.

March 23
24 -25. No work, Saturday, Sunday, rain.

March 27. Drilled and blasted, 8 holes 4 feet deep. 12 sticks dynamite. Mucked rest of day. Got about 50 pounds mica.

March 28. Put in timber, extended ladder, drilled and blasted. Took pump out and put in new impellor. Put a new switch on pump power line. There has come a streak of slate in south side of shaft and also small slate in north corner. Vein appears to be narrowing.

March 29. Mucked out and timbered up shaft.

March 30. Drilled out and blasted, mucked rest of day. Slate streaks getting larger and vein narrowing.

Clyton D Buchna

INTERIM REPORT

DMEA-4449, Idm-E1042 (mica) BOONE PROSPECT

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Location: 2.3 airline miles S59°W of Spruce Pine, Mitchell Co., N. C.

Inclined shaft sinking continues on this contract, and the present depth is 43 feet. The work has followed the inclination of a quartz core flanked by zones of feldspar-mica to the present level. In the lat 15 feet of work the incline has changed from -60° to -30° and the quartz core, which has been prominently seen from the surface has narrowed from 2 feet to 6 inches. About 200 pounds of green mine-run book mica of excellent quality has been produced recently. Instructions were given for continued sinking toa total depth of 60 feet.

Progress on this contract has been good. An excellent timbering job has been accomplished to the present level and a separated manway with ladders and landings extend to near bottom.

L. E. Shirley

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

S. C. Bergman E. L. Boudette

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

March 20, 1957

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DMEA
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4/2	C	220
3	CM	100

600

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

March 6, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

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

Subject: Amendment No. 1 - Docket No. DMEA-4449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina
Contract No. Idm-E1042

The Nonmetallic Minerals Division concurs in Amendment No. 1 to the subject contract as written and executed in the field. This amendment postpones the starting date of the contract work from January 15, 1957, to February 15, 1957. According to provisions of the contract the completion date remains seven months from the date of the contract.

This amendment is necessary because the winter weather has been too severe to permit moving equipment to the mine site.

Walter C. Anderson
Walter C. Anderson
Nonmetallic Minerals Division

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

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DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE
3/4	C	220
		130
4/2	C	220

February 28, 1957

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4449, Idm-E1042-Mica. Clifton D. Buchanan, Amendment No. 1. Mitchell County, N.C.

Transmitted are three signed copies of the subject amendment extending the starting date for this contract.

This amendment was necessary due to inclement weather in the mountain section, making it impossible to move equipment to the mine site.

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

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

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- 57

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1957 Docket No. DMEA 4449 Contract No. Idem-E 1042
Operator's Name Clifton D. Buchanan Minerals Mica
Address Box 218, Spruce Pine, N. C.
Contract Amount, $ 5,552.00 Government Participation: 75% Amount, $ 4,164.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shaft (21 ft.)	978.60		978.60			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Tool House	76.00		76.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1054.60		1054.60	1,054.60		1,054.60

RECEIVED MAR 25 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-5-57 *Payee Clifton D Buchanan
Per _____ Title Operator

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 790.95
Signature Helen R. Miller (Authorized Certifying Officer)
Date MAR 22 1957 Vou. No. 153
(See other side)

263.65

(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-1042 in accordance with the terms of the contract.

Signature T. J. Lynch Title U. S. BUREAU OF MINES Date MAR 12 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER ~~DMEA REGION V~~ Date MAR 12 1957

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

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

Month of Feb. 1957 Docket No. DMEA 4449 Contract No. Idm-E 1042
Operator's Name Clifton D. Buchanan Minerals Mica
Address Box 218, Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	978.60	21	978.60	21	46.60	60	46.60
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Tool House	Each	76.00	1	76.00	1	76.00	1	76.00
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 3-5-57 Operator Clifton D Buchanan

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)

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

INSTRUCTIONS

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

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

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

GPO 872894

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GREENWITH'S
MONTHLY PROGRESS REPORT
for the
Month of February 1957

Work Accomplished

Moved in machinery, ordered B.F. lumber for tool house and shaft timbering, hired three workmen, set up hoist, built tool house, pumped out water, started shaft sinking, drilled, blasted, and mucked four rounds for a total of 21 feet advanced for month. Three men are on daylight shift.

Daily Notes

February 7. Moved in machinery, hired three workmen, two at $1.25 per hour and one at $1.00 per hour, bought 950 B.F. rough lumber.

February 8, 9, 11, 12 & 13. Weather would not permit work.

February 14. Worked setting up hoist.

February 15. Finished setting hoist and started building tool house. Bought 1600 B.F. 8/4 rough lumber for timbering shaft.

February 16. Finished tool house, set up air compressor and put in air line.

February 18. Put in 325 feet electric line, bought new electric pump and installed pump and began pumping.

February 19. Removed muck from bottom of old works.

February 20. Drilled and blasted first round in bar of flint. Recovered 15 pounds of small mica and mucked on round.

February 21. Finished mucking out and began timbering 5' x 7' shaft.

February 22. Drilled and blasted flint. It is soft on either side of flint. Mucked.

February 23. No work.

February 25. Pumped out water, timbered on shaft.

February 26. Drilled and blasted. Recovered 22 pounds of hand cobbed mica, mucked on round.

February 27. Timbered on shaft and finished mucking out.

February 28. Drilled and blasted, recovered approximately 10 pounds of hand cobbed small mica, mucked on round.

600

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

INTERIM REPORT

DMEA-4449, Idm-E1042 (mica) BOONE PROSPECT

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, North Carolina

Location: The prospect is 2.3 airline miles S. 59° W. from the center of Spruce Pine, Mitchell County, North Carolina.

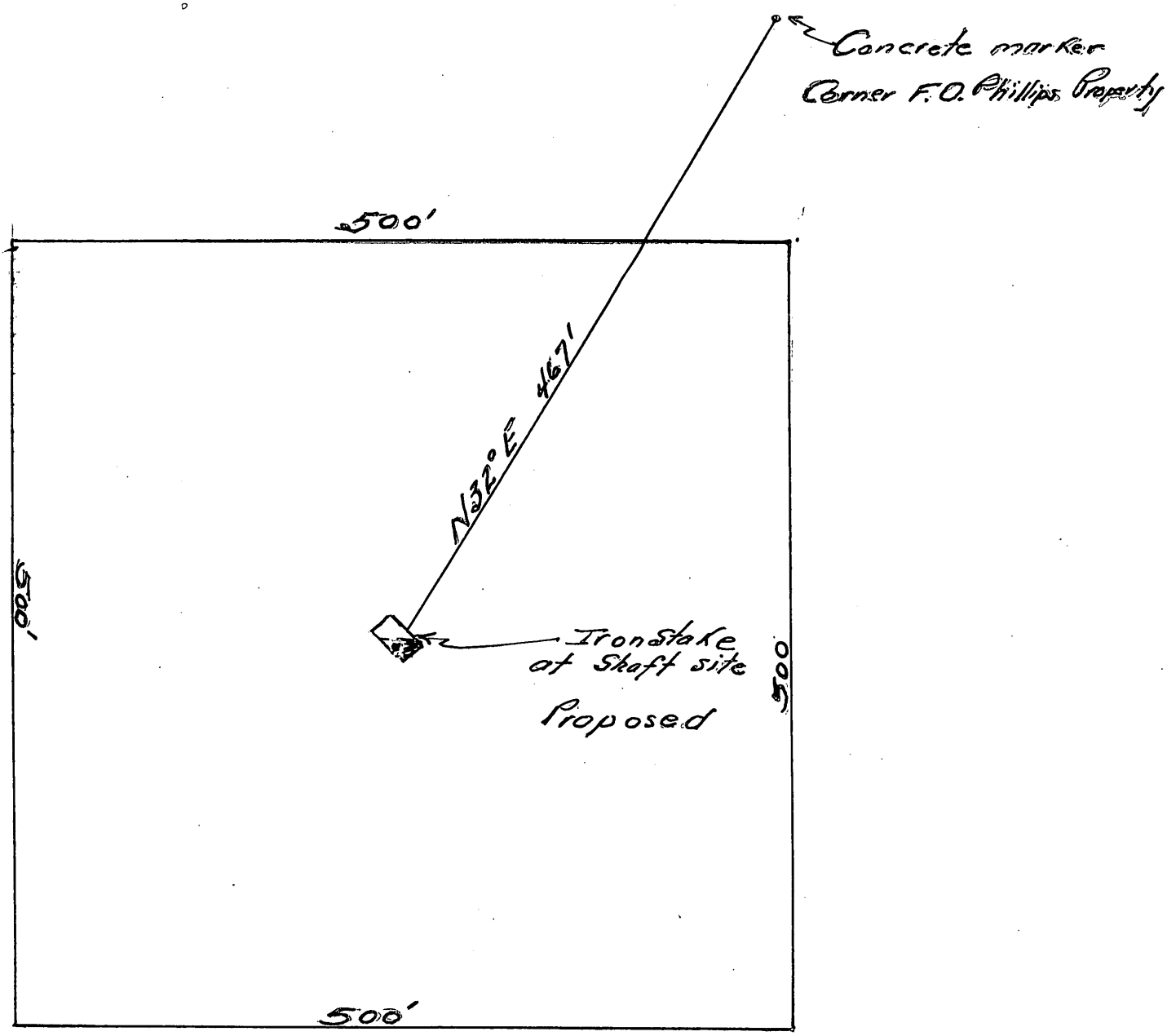
The prospect was visited on February 6, 1957. The field examiners were accompanied by the operator. Actual work has not begun due to heavy and constant rainfall in the area. The Operator has built a combination tool and hoist house and his magazines as well as erecting a straightleg and boom pole. He has also moved his hoist and compressor into position and is in a position to commence sinking operations as soon as the weather permits.

Operational procedures and methods were discussed with the Operator at the site.

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

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

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



DMEA-4449 Mica Map No 2

Boone Prospect

Mitchell Co. N.C.

Scale 1" = 100 feet

INTERIM REPORT

DMEA-4449, ldm-E1042 (mica) BOONE PROSPECT

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Location: 2.3 airline miles S59°W of Spruce Pine, Mitchell Co., N. C.

Inclined shaft sinking is underway on this contract and is now at 24 feet. Timber work completed is in excellent shape, and cribbing extends to within 2 feet of the bottom. The shaft is being sunk on a -55° incline and is following a quartz core which has thinned from 6 feet at the surface to about 2.5 feet at the present shaft level. About 12 pounds of mine-run book up to 4" x 6" sizes has been produced from work completed. The mica is green, contains some flat "A" structure, and is clear. Instructions were given for continued shaft sinking following the inclination of the body.

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

L. E. Shirley

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

E. L. Boudette

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

March 7, 1957

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DATE	INITIALS	CODE
3/18	COM	100
3/18	C	220
3/21	WCA	600

INTERIM REPORT

DMEA-4449, Idm-E1042 (mica) BOONE PROSPECT

Operator: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Location: 2.3 airline miles S59°W of Spruce Pine, Mitchell Co., N. C.

The starting date on this contract is February 7, 1957. No shaft sinking is underway due to inclement weather. All necessary work for setting up has been completed, and operator expects to begin sinking during the current week. A power line to the mine is under negotiation with the local power company, and electric pumps will be used, according to the operator. Report and voucher preparation was discussed at length with the operator.

L. E. Shirley

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

S. C. Bergman

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

February 19, 1957

OFFICIAL-COPY
[redacted]
DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE
3/5	CDM	100
3-5	C	220
3/6	Hook	600

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 101 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

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

December 19, 1956

Memorandum

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

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

Subject: Signed Contract Idm-E1042, DMEA-4449
Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Transmitted are the original and two copies of the subject contract.

The usual distribution of the other copies has been made by this office.

V. J. Lynch

V. J. Lynch

Enclosures 3

Docket Copy
Surname:

Hopkins
Houk
Talbott
Selfridge
Johnson
Matthews

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

NOV 28 1956

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

Re: Docket No. DMEA-4449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina

Dear Mr. Laurence:

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

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

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

Copies of memoranda dated November 5 and 19, 1956, by Mr. H. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

Approved:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

George C. Selfridge
Chairman, Operating Committee

Enclosures 12

JHopkins:gad 11/19/56
Copy to: Admr. R. File Docket
Mr. Kiilsgaard, 5222
Operating Committee
Mr. Dietrich, 3061
Mr. Houk

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

RECEIVED NOV 19 1956 D.M.E.A.

November 19, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4449 (mica)

Applicant: Clifton D. Buchanan

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

Date of Field Team Report: 10/29/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/6/56

Field Team Recommendation: Recommend approval of exploration contract.

Comments:

1. Field examiners report a well zoned pegmatite containing clear strategic quality muscovite.
2. Field examiners report applicant has sold 11.24 pounds of trim mica for $200.18 from preliminary work on this property.
3. This deposit appears to have possibilities for the development of strategic mica.

Recommendation:

I concur with the recommendation of the field team.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED NOV 8 1956

November 5, 1956

Re: DMEA 4449
Clifton D. Buchanan
Boone Prospect
Mitchell County, N.C.
$5,871.00 - Mica

Memorandum

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

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

Subject: Review of Field Team Report

The applicant requested assistance in doing further work in a 10-foot zoned pegmatite in alaskite, credited with a small production of mica.

The examiners found mica and signs of mica in the pegmatite exposed in a trench and in a long series of open cuts - 500 feet to the northward.

The work proposed and recommended consists of 60 feet of shaft and 80 feet of drifting.

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

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 10 POST OFFICE BLDG
KNOXVILLE 2, TENN.

H

RECEIVED NOV 1 1956 D.M.E.A.

October 29, 1956

Memorandum

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

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

Subject: Field Examination Report, DMEA-4449 (Mica)
Clifton D. Buchanan, Spruce Pine, North Carolina
Boone Prospect, Mitchell County, North Carolina

Enclosed are four copies of the subject examination report, nine extra copies of the map, six executed copies of Form MF-205 with revised legal description, and four copies of the lease, with revised legal description.

This prospect appears to provide a suitable target for exploration, and we recommend approval of a contract, preferably short form, as outlined in the report.

Although no iron stake marking the beginning point could be found, Messrs. Shirley and Taylor measured the distance N. 32° E., 467 feet from the proposed shaft site (in the center of the prospect) to the concrete corner. Thus, the apparently imaginary iron stake should probably be at the point on the map shown as the proposed shaft site.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 4

Reviewed by
DMEA OPERATING COMMITTEE
11-5-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
NOV 1 1956
D.M.E.A.

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION, REGION V

On

DMEA-4449, BOONE PROSPECT - Mica
Mitchell County, North Carolina

On. Site Exam

By

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

and

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

Examined: October 17, 1956

Reviewed by
DMEA OPERATING COMMITTEE
11-5-56
(date)

FIELD EXAMINATION REPORT

On

DMEA-4449 (mica) Boone Prospect

RECEIVED
NOV 1 1956
D.M.E.A.

Applicant: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Summary

A well-zoned mica pegmatite 10 feet thick (plus) in alaskite contains strategic green muscovite on the hanging wall side of the massive quartz core. Even though the pegmatite is in alaskite, the mineralogic environment for the occurrence of strategic muscovite is considered to be good.

Recent sales from open pit excavation has averaged $17.80 per pound. The block sheeted an estimated 5 percent (plus).

It is recommended that the application be approved and a unit-cost contract be considered.

Introduction

Location:

The prospect is 2.3 airline miles S. 59° W. from the center of Spruce Pine, Mitchell County, North Carolina. Access is by a gravel road 0.7 mile from U. S. Highway 19E. The dominant topographic feature in the vicinity is Chalk Mountain, the crest of which is 0.5 mile N. 75° E. from the Boone prospect.

The Chalk Mountain mine (DMA-1390X) is about 1,000 feet northeast and upslope from the Boone prospect. (C-SW 1/9, Spruce Pine, N. C., TVA, Quad., 209-NE, 1/24,000).

Examination and Leased Area:

The prospect was examined on October 17, 1956 in the company of Mr. C. D. Buchanan, and Mr. Robert Maclay, Geologist, U. S. Geological Survey. One and one-half hours were spent in the examination.

The 500-ft-square leased area is adequate for exploration and is tied in with the concrete corner mentioned in the legal description. The prospect center (at proposed shaft location) was carefully surveyed by the field examiners and found to be S. 32° W., 467 ft from the concrete marker. No iron stake was found at the prospect.

The applicant has submitted a new Consent to Lien and mining lease with a revised legal description, which are enclosed herewith.

The calls for the land from which the 500 ft square was carved were not given. Therefore this, as in many other cases, can possibly overlap onto someone else's property without the field examiners' knowledge, though it probably does not.

Competency of Applicant:

Mr. Buchanan appears to be a competent individual with a successful restaurant business in Spruce Pine, North Carolina. He has several years experience mining mica and feldspar, the most recent of which has been in the open pit operation of the Boone prospect.

Geology

Pegmatite:

A zoned pegmatite at least 10 feet thick, in alaskite, is exposed for 50 feet along strike in one 5 to 10-ft deep open cut, and more than 500 feet northward in another long series of open cuts. The strike of the body is N. 50° E. and the dip on the only visible contact, the hanging wall, is 55° to 60° NW.

The pegmatite is composed of a 5 to 6-foot massive, jointed, quartz core with muscovite, and a kaolinized feldspar zone 2 to 3 ft thick on the hanging wall and possibly more on the footwall. The feldspar zone is predominantly plagioclase, but contains some semi-weathered blocky perthite crystals 10 to 15 inches thick.

The hanging wall of the generally concordant quartz core dips 37° to 40° NW in contrast to the contact between the pegmatite and alaskite. The joint system strikes N. 50° to 55° E. and dips vertically.

Muscovite:

Excellent green, flat and clear strategic quality muscovite occurs in the hanging wall contact zone between the quartz core and the feldspar. The most abundant and largest blocks (1" thick and 4" wide) occur in the quartz adjacent to the feldspar. A crystal count in a representative 2 ft square area discloses 10 crystals 3 to 4 inches wide. The crystals in the feldspar zone are numerous but much smaller.

Some defects were observed in the scrap left on the dump. Around the edges of some crystals some biotite staining occurs, while in the center of others is some light green dendritic (inorganic vegetable ?) staining.

Even though the hanging wall of the core seems most productive, the applicant states that the best quality muscovite came from the footwall of the core.

Recent Production:

The Applicant sold 11.24 pounds of trim for $200.18 at an average of $17.80 per lb.:

8.77 lbs. good stained
2.28 lbs. stained
0.19 lb. heavy stained

The low percentage of heavy stained is very encouraging as well as the average per pound value. The Applicant estimates a sheet recovery of over 5%.

Recommendations

The Field Examiners are of the opinion that mica production and reserves will result from a modest exploration program. The exploration should consist of sinking 60 feet of inclined shaft and driving 80 feet of drift from the shaft bottom. A tool house should be included, but the Operator will supply his own magazines, as he has them on hand.

Estimated Costs:

Sink 60 feet of two-compartment shaft
5' x 7' in cross-section with
separated manway (40 shifts)

Labor:	
1 - Foreman-Miner @ $1.75/hr.	$560.00
1 - Hoistman @ $1.50/hr.	480.00
1 - Laborer @ $1.00/hr.	320.00
Equipment Rental:	
1 - 105 c.f.m. Air Compressor @ $150.00/Mo.	300.00
1 - Rock drill with air hose @ $50.00/Mo.	100.00
1 - Electric pump @ $75.00/Mo.	150.00
1 - Hoist - gasoline powered @ $50/Mo.	100.00
Supplies:	
Gasoline and oil	120.00
Explosives	195.00
Drill steel	108.00
Timber - 3000 b.f. @ $65.00/M	195.00
Small tools, pipe, etc.	120.00

Liability Ins./and Social Security	150.00	
Sales Tax	22.00	
($48.67/ft) Estimated Total Cost of Shaft Sinking		$2,920.00

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

Labor:		
1 - Foreman-Miner @ $1.75/hr.	560.00	
1 - Hoistman @ $1.50/hr.	480.00	
1 - Laborer @ $1.00/hr.	320.00	
Equipment Rental:		
1 - 105 c.f.m. Air Compressor @ $150.00/Mo.	300.00	
1 - Hoist, gasoline powered @ $50.00/Mo.	100.00	
1 - Rock drill with air hose @ $50.00/Mo.	100.00	
1 - Jackleg @ $35.00/Mo.	70.00	
1 - Electric pump @ $75.00/Mo.	150.00	
Supplies:		
Gasoline and oil	140.00	
Explosives	220.00	
Drill steel	120.00	
Timber - 2000 b.f. @ $65.00/M	130.00	
Small tools, pipe, etc.	90.00	
Liability Ins. and Social Security	150.00	
Sales Tax	21.00	
($36.89/ft) Estimated Total Cost of Drift		$2,951.00
Total Estimated Cost of Project		$5,871.00

Examined: October 17, 1956

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

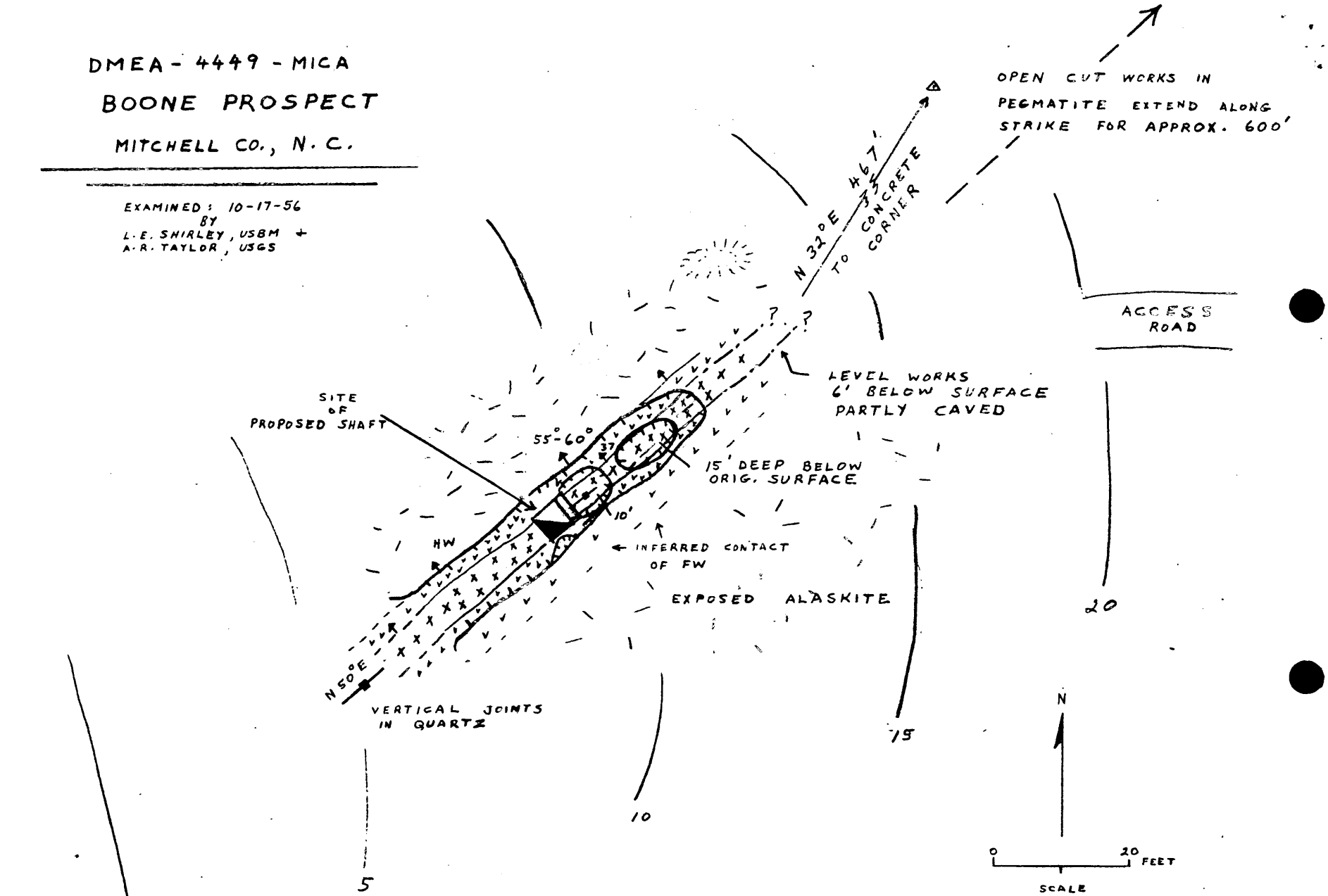
L. E. Shirley, Mining Engineer
U. S. Bureau of Mines

DMEA - 4449 - MICA

BOONE PROSPECT

MITCHELL CO., N. C.

EXAMINED: 10-17-56
BY
L. E. SHIRLEY, USBM +
A. R. TAYLOR, USGS



KAOLINIZED, FELDSPATHIC PEGMATITE

MASSIVE QUARTZ CORE

ALASKITE

STRIKE + DIP OF CONTACTS

STRIKE + DIP OF JOINT SYSTEM

17-23-56 ART.

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

RECEIVED NOV 1 1956 D.M.E.A.

October 29, 1956

Memorandum

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

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

Subject: Field Examination Report, DMEA-449 (Mica)
Clifton D. Buchanan, Spruce Pine, North Carolina
Boone Prospect, Mitchell County, North Carolina

Enclosed are four copies of the subject examination report, nine extra copies of the map, six executed copies of Form MF-205 with revised legal description, and four copies of the lease, with revised legal description.

This prospect appears to provide a suitable target for exploration, and we recommend approval of a contract, preferably short form, as outlined in the report.

Although no iron stake marking the beginning point could be found, Messrs. Shirley and Taylor measured the distance N. 32° E., 467 feet from the proposed shaft site (in the center of the prospect) to the concrete corner. Thus, the apparently imaginary iron stake should probably be at the point on the map shown as the proposed shaft site.

Robert A. Laurence
Executive Officer

V. J. Lynch
Member, Bureau of Mines

RAL/mg
Enclosures 4
cc
Operating Committee (3)
Lynch
Shirley
File

Reviewed by
DMEA OPERATING COMMITTEE
11-8-56
(date)

[redacted]

RECEIVED
NOV 1 1956
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION, REGION V

On

DMEA-4449, BOONE PROSPECT - Mica
Mitchell 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

Examined: October 17, 1956

(date)

RECEIVED
NOV 1 1956
D.M.E.A.

FIELD EXAMINATION REPORT

On

DMEA-4449 (mica) Boone Prospect

Applicant: Clifton D. Buchanan, Box 218, Spruce Pine, N. C.

Summary

A well-zoned mica pegmatite 10 feet thick (plus) in alaskite contains strategic green muscovite on the hanging wall side of the massive quartz core. Even though the pegmatite is in alaskite, the mineralogic environment for the occurrence of strategic muscovite is considered to be good.

Recent sales from open pit excavation has averaged $17.80 per pound. The block sheeted an estimated 5 percent (plus).

It is recommended that the application be approved and a unit-cost contract be considered.

Introduction

Location:

The prospect is 2.3 airline miles S. 59° W. from the center of Spruce Pine, Mitchell County, North Carolina. Access is by a gravel road 0.7 mile from U. S. Highway 19E. The dominant topographic feature in the vicinity is Chalk Mountain, the crest of which is 0.5 mile N. 75° E. from the Boone prospect.

The Chalk Mountain mine (DMA-1390X) is about 1,000 feet northeast and upslope from the Boone prospect. (C-SW 1/9, Spruce Pine, N. C., TVA, Quad., 209-NE, 1/24,000).

Examination and Leased Area:

The prospect was examined on October 17, 1956 in the company of Mr. C. D. Buchanan, and Mr. Robert Maclay, Geologist, U. S. Geological Survey. One and one-half hours were spent in the examination.

The 500-ft-square leased area is adequate for exploration and is tied in with the concrete corner mentioned in the legal description. The prospect center (at proposed shaft location) was carefully surveyed by the field examiners and found to be S. 32° W., 467 ft from the concrete marker. No iron stake was found at the prospect.

The applicant has submitted a new Consent to Lien and mining lease with a revised legal description, which are enclosed herewith.

The calls for the land from which the 500 ft square was carved were not given. Therefore this, as in many other cases, can possibly overlap onto someone else's property without the field examiners' knowledge, though it probably does not.

Competency of Applicant:

Mr. Buchanan appears to be a competent individual with a successful restaurant business in Spruce Pine, North Carolina. He has several years experience mining mica and feldspar, the most recent of which has been in the open pit operation of the Boone prospect.

Geology

Pegmatite:

A zoned pegmatite at least 10 feet thick, in alaskite, is exposed for 50 feet along strike in one 5 to 10-ft deep open cut, and more than 500 feet northward in another long series of open cuts. The strike of the body is N. 50° E. and the dip on the only visible contact, the hanging wall, is 55° to 60° NW.

The pegmatite is composed of a 5 to 6-foot massive, jointed, quartz core with muscovite, and a kaolinized feldspar zone 2 to 3 ft thick on the hanging wall and possibly more on the footwall. The feldspar zone is predominantly plagioclase, but contains some semi-weathered blocky perthite crystals 10 to 15 inches thick.

The hanging wall of the generally concordant quartz core dips 37° to 40° NW in contrast to the contact between the pegmatite and alaskite. The joint system strikes N. 50° to 55° E. and dips vertically.

Muscovite:

Excellent green, flat and clear strategic quality muscovite occurs in the hanging wall contact zone between the quartz core and the feldspar. The most abundant and largest blocks (1" thick and 4" wide) occur in the quartz adjacent to the feldspar. A crystal count in a representative 2 ft square area discloses 10 crystals 3 to 4 inches wide. The crystals in the feldspar zone are numerous but much smaller.

Some defects were observed in the scrap left on the dump. Around the edges of some crystals some biotite staining occurs, while in the center of others is some light green dendritic (inorganic vegetable ?) staining.

Even though the hanging wall of the core seems most productive, the applicant states that the best quality muscovite came from the footwall of the core.

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2.28 lbs. stained
0.19 lb. heavy stained

The low percentage of heavy stained is very encouraging as well as the average per pound value. The Applicant estimates a sheet recovery of over 5%.

Recommendations

The Field Examiners are of the opinion that mica production and reserves will result from a modest exploration program. The exploration should consist of sinking 60 feet of inclined shaft and driving 80 feet of drift from the shaft bottom. A tool house should be included, but the Operator will supply his own magazines, as he has them on hand.

Estimated Costs:

Sink 60 feet of two-compartment shaft
5' x 7' in cross-section with
separated manway (40 shifts)
@ 1.9'/shift = 36 shifts

Labor:		
1 - Foreman-Miner @ $1.75/hr.	$560.00	504.00
1 - Hoistman @ $1.50/hr.	480.00	432.00
1 - Laborer @ $1.00/hr.	320.00	288.00
	1360	1224.00
Equipment Rental:		
1 - 105 c.f.m. Air Compressor @ $150.00/Mo.	300.00	500.00
1 - Rock drill with air hose @ $50.00/Mo.	100.00	
1 - Electric pump @ $75.00/Mo.	150.00	
1 - Hoist - gasoline powered @ $50/Mo.	100.00	
3 mos @ $500.00		
Supplies:		
Gasoline and oil	120.00	
Explosives	195.00	
Drill steel	108.00	
Timber - 3000 b.f. @ $65.00/M	195.00	
Small tools, pipe, etc.	120.00	
	738.00	
	172.00	
	910.00	

Ins. Liability/and Social Security	150.00	
Sales Tax	22.00	
($48.67/ft) Estimated Total Cost of Shaft Sinking		$2,920.00

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

Labor:		
1 - Foreman-Miner @ $1.75/hr.	560.00	
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Sales Tax	21.00	
($36.89/ft) Estimated Total Cost of Drift		$2,951.00
Total Estimated Cost of Project		$5,871.00

Examined: October 17, 1956

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

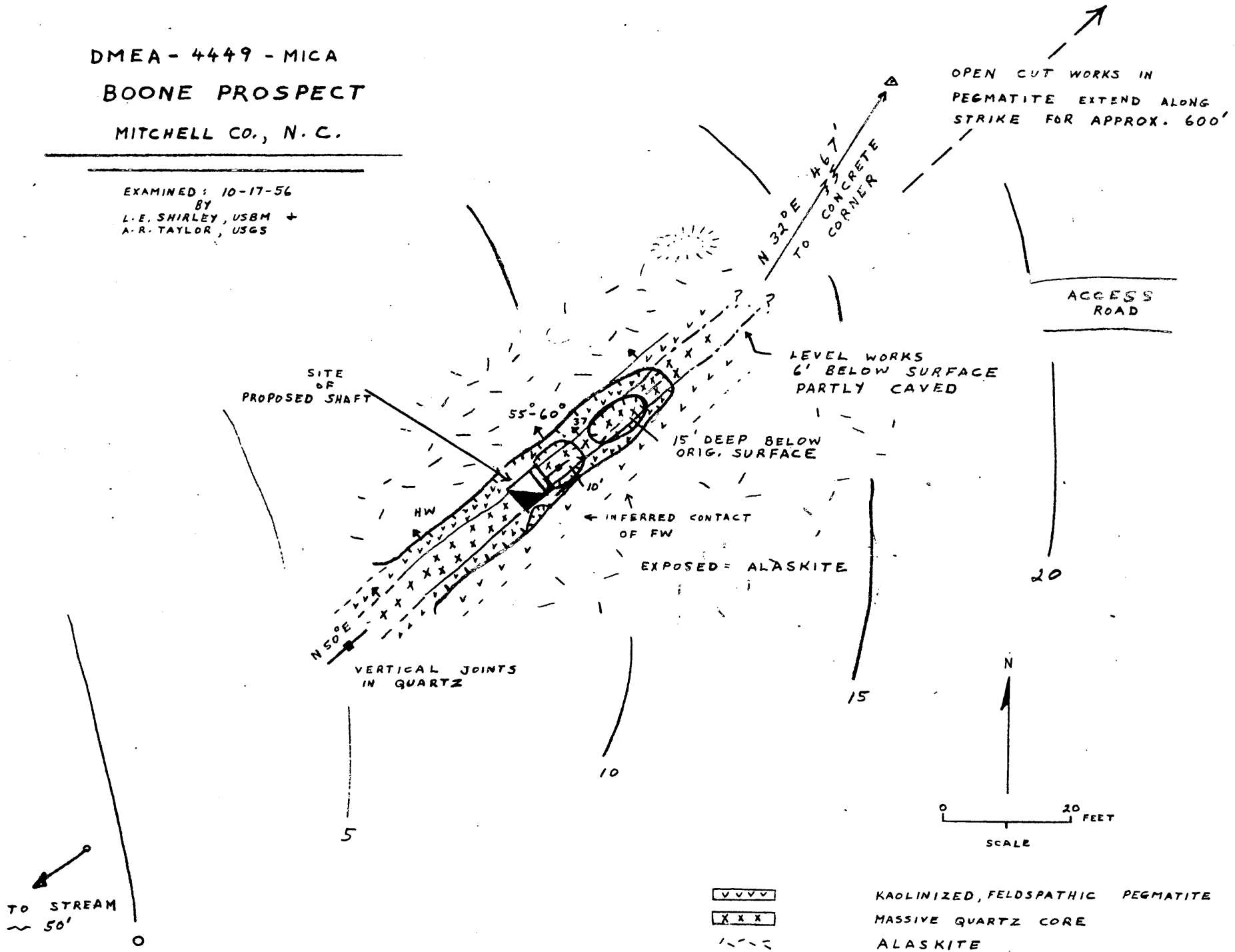
L. E. Shirley, Mining Engineer
U. S. Bureau of Mines

DMEA - 4449 - MICA

BOONE PROSPECT

MITCHELL CO., N.C.

EXAMINED: 10-17-56
BY
L.E. SHIRLEY, USBM +
A.R. TAYLOR, USGS



10-23-56 ART.

Docket Copy
Surname:

Hopkins
Anderson
Selfridge
Johnson

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

SEP 24 1956

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

Subject: Docket No. DMEA-4449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda dated September 6 and 20, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (SWB)

Approved:

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

Thor H. Kiilsgaard (SWB)
Member, Geological Survey

Enclosures 4

JHopkins:gad 9/24/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.L.

Docket Copy
Surname:

Hopkins
Lindum
Kiilsgaard
Lamb
Jeffrey
Hjelmen

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

SEP 24 1956

Mr. Clifton D. Buchanan
Box #218
Spruce Pine, North Carolina

Re: Docket No. DMEA-4449-Mica
Clifton D. Buchanan
Boone Prospect
Mitchell County, North Carolina

Dear Mr. Buchanan:

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,

D. O. Mittendorf

Administrator

JHopkins:gad 9/24/56
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.L.

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

September 20, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4449 (mica)

Applicant: C. D. Buchanan

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

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 9/4/56

Comments:

1. The applicant states that mica has been produced from this property but no data available in this office on this property.

2. This deposit appears to have possibilities for the development of strategic mica.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

Attachment

IN REPLY REFER TO:

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

RECEIVED
SEP - 7 1956

Sept. 6, 1956

Re: DMEA 4449
Clifton D. Buchanan
Boone prospect
Mitchell Co., N. C.
$6,300 - Mica

Memorandum

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

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

Subject: Review of application

The applicant requests assistance in exploring a pegmatite by shaft and drift. Some work was done and some mica produced. That further work is warranted is questionable; however, referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

September 4, 1956

Clifton D. Buchanan
P. O. Box #218
Spruce Pine, N. C.

Subject: DMEA-4449
Re: Exploration Assistance
Boone Prospect

Dear Mr. Buchanan

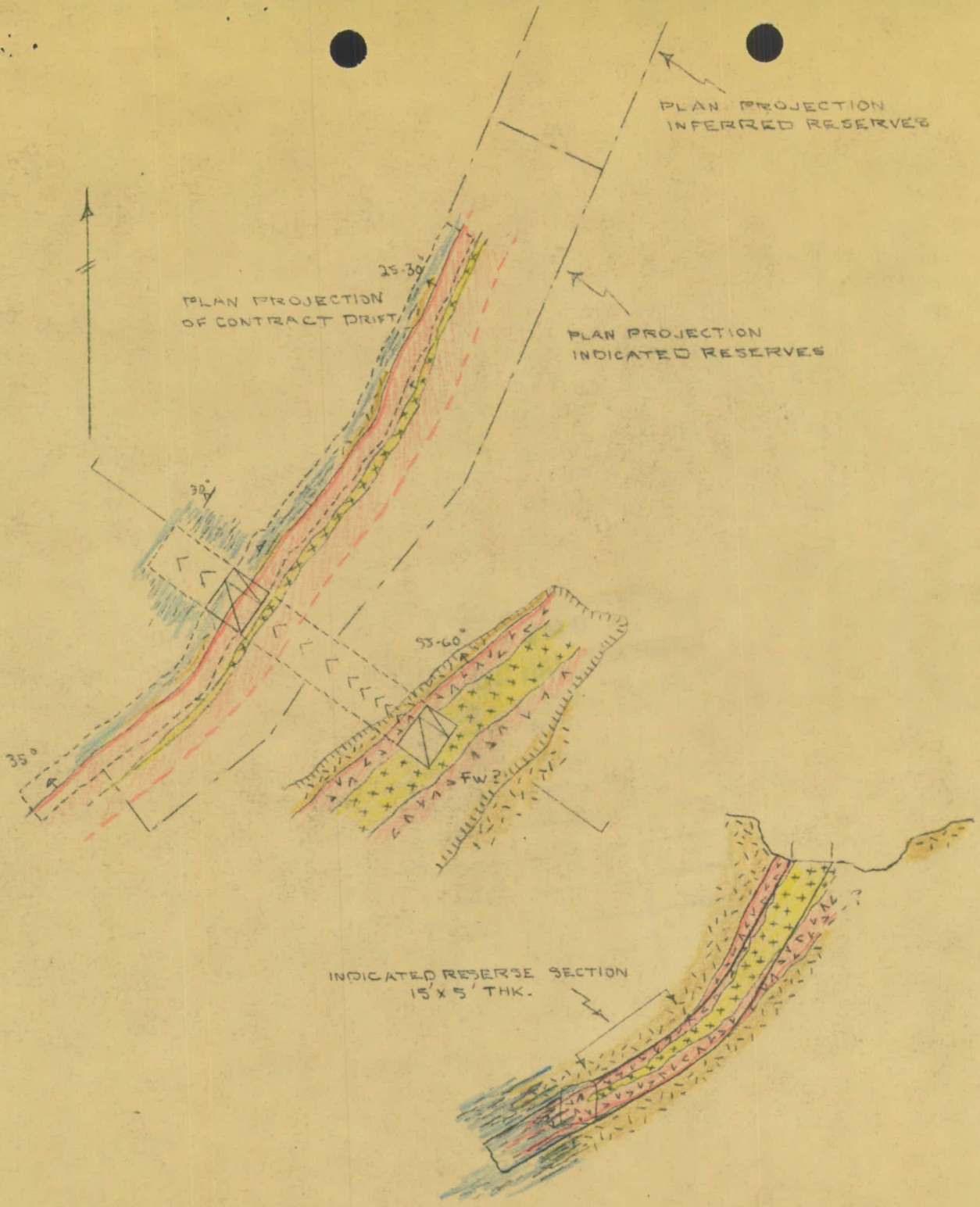
The receipt of your application dated August 29, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4449 and referred to the Nonmetallic Minerals Division.

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

Sincerely yours,

Allen S. Dakan
~~[illegible]~~, Chief
Operations Control and
Statistics Division



LEGEND

- PLAG - QTZ - MUSCOVITE PEG. (WALL ZONE)
- MASSIVE QUARTZ CORE
- QUARTZ MONZONITE (SO-CALLED ALASKITE)
- PLAN PROJECTION OF CONTRACT WORK
- SURFACE EXCAVATION
- PLAN PROJECTION OF RESERVE AREA
- QUARTZ - MUSCOVITE SCHIST & GNEISS

BOONE PROSPECT

MITCHELL COUNTY, NORTH CAROLINA

DMEA-4449, Idm-E1042
(MICA)

SCALE: 1" = 20'