DMV-2882
Mine
Region VII

[illegible], GRANITE FALLS, NORTH CAROLINA. Bowman Mine, Caldwell County, North Carolina. 5-29-53

Letter to the Field forwarding a contract, signed by the Administrator, for execution, subject to complying Article 3 of the contract. [illegible] approval. No. 222

DMV-2882
No. 201 Mine
7-10-53 Region VII

[illegible], GRANITE FALLS, NORTH CAROLINA. Bowman Mine, Caldwell County, North Carolina.

Field Report recommending approval. The report was referred to the Security Group.

DMV-2882
Mine
Region VII

[illegible], GRANITE FALLS, NORTH CAROLINA. Bowman Mine, Caldwell County, North Carolina. 186 3-6-53

Letter to the Field forwarding an examination and report. [illegible] letter to the applicant [illegible]

☑ Audited R.R. 1-19-54

WORK ANALYSIS SHEET - DMEA PROJECT

☐ Actual Cost

☐ Certified

Analysis as of 12-7-54
Incl. Voucher for Sept. 1953

☑ Agreed Unit Costs

Name Bowman Brothers

Docket No. V88V

State N.C.

Commodity Mica

Idm-E No. V-35

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	40 Ft	$1,200.00	40 Ft.	$1,200.00	$1,200.00
Raising					
Shafts	40 Ft.	$1,600.00	40 Ft.	$1,600.00	$1,600
Winzes					
Drilling (Specify)					
Surface Excavation		$100.00		$100.00	$100.00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.		$200.00		$200.00	$200.00
Other (Specify)					
Totals		$3,100.00		$3,100.00	$3,100.00

Prepared by Walter C. Anderson

71626

Mr. Anderson

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Clyde H. Bowman and Fred G. Bowman
d/b/a Bowman Brothers
Granite Falls, North Carolina

pertaining to Exploration Project Contract No. Idm-E535, Docket No. DMEA-2882, for the period of June 22, 1953 to September 9, 1953, inclusive, covering a project for the exploration of mica on property known as the Bowman Mine located in Caldwell 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, consultation with the Regional Executive Officer, 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 reasons:

the contract provides for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

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

Total cost as billed by Contractor		$3,100.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$3,100.00

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Two thousand seven hundred ninety and no/100 Dollars

$2,790.00

is considered valid and proper.

E. D. Talbert Jr.
E. D. Talbert, Auditor

Jan. 19, 1954

MF-200 (A)
(February 1952)

DOCKET No. DMEA-[illegible]

COMMODITY Mica

Division Copy

IDM-E 535

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 29th day of May, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Clyde H. Bowman and Fred O. Bowman, both of Granite Falls, North Carolina, doing business as Bowman Brothers, partners

hereinafter called the "Operator," as follows: and as in Annexes I and II attached hereto and made a part hereof.

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Caldwell, described as ~~follows~~[3] set forth in Annex II,

the Operator represents and undertakes:[4]

(*a*) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:

None

~~(b) That the Operator is the owner, in possession and entitled to possession, and the Owner's Consent to Lien is attached.~~

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 60 days from the date of this contract shall commence work on a project of exploration for[5] Mica

in or upon the described land; and shall bring the project to completion within a period of four (4) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 50 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $2,750.00, which is 50 percent of $5,500.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows: See Article 1, substituted for that part of 1(a) preceding the colon:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

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

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* _____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

[illegible] (Operator)

By O. Mittendorf
Administrator, Defense Minerals Exploration Administration

By Clyde H. Bowman (Partner)

By Fred G. Gaumer (Partner)

Ok Kone
Butrin
Hook
Chamber

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

_____ [CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

ANNEX I

The following provisions are in lieu of all of paragraph (a) of Article 6 which precedes the colon:

If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account required by the exploration project contract, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development. The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land which is the subject of the exploration project contract, 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 of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by the contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, as follows:

EXPLORATION PROJECT CONTRACT
BOWMAN BROTHERS
DOCKET NO. DMEA-2882

ANNEX II

The land referred to in Article 2 of the contract form is described as follows:

BEGINNING on a stone located on the Northeast side of a branch, formerly a red oak, Bowman's and Kahnlee's present corner, and runs with Bowman's and Kahnlee's line South 89° 30' East 8 poles and 5 links to a stone, Bowman's, Kahnlee's and Freeman's corner; thence with Bowman's and Freeman's line North 7° 30' East 38 poles to a hickory, Bowman's and Freeman's corner; thence still with Ed Freeman's and Bowman's line South 87° 30' East 15 poles to a stone, Bowman's and Elbert Freeman's corner in Ed Freeman's line; thence with Bowman's and Elbert Freeman's line North 2° East 50 poles to a stone on the South side of a branch, Bowman's and Freeman's corner in the Champion Fiber Company's line; thence with said company's line North 87° West crossing a branch at 6 poles,—in all 20 poles to a stake and pointers, said company's corner; thence still with said company's line North 85° West 17 poles to a black oak and stake, said company's corner; thence still with said line North 88° West 57 poles to an iron pin on the South edge of a branch, said company's corner, also Bowman's and John Clarke's corner; thence with Clarke's and Bowman's line present bearing South 1° West 71 poles to a holly tree located on the North bank of a branch, Clarke's and Bowman's corner; thence with center of said branch general bearing South 73° East 67½ poles to the point of beginning, containing 44.11 acres, more or less. Magnetic bearings and surface measurement, Survey and description by Thomas P. Isbell, County Surveyor, Lenoir, N. Car., March 16, 1953.

EXPLORATION PROJECT CONTRACT
BOWMAN BROTHERS
DOCKET NO. DMEA-2882

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica is to be accomplished by the work shown, in part, on the attached map entitled "Sketch of Bowman Mine, Caldwell Co., N. C., DMEA-2882," and described below.

1. Construct toolhouse 10 feet by 15 feet in area.

2. Prepare shaft site with bulldozer.

3. Sink not more than 40 feet of inclined shaft on the pegmatite.

4. From the bottom of the shaft, drift not more than 40 feet.

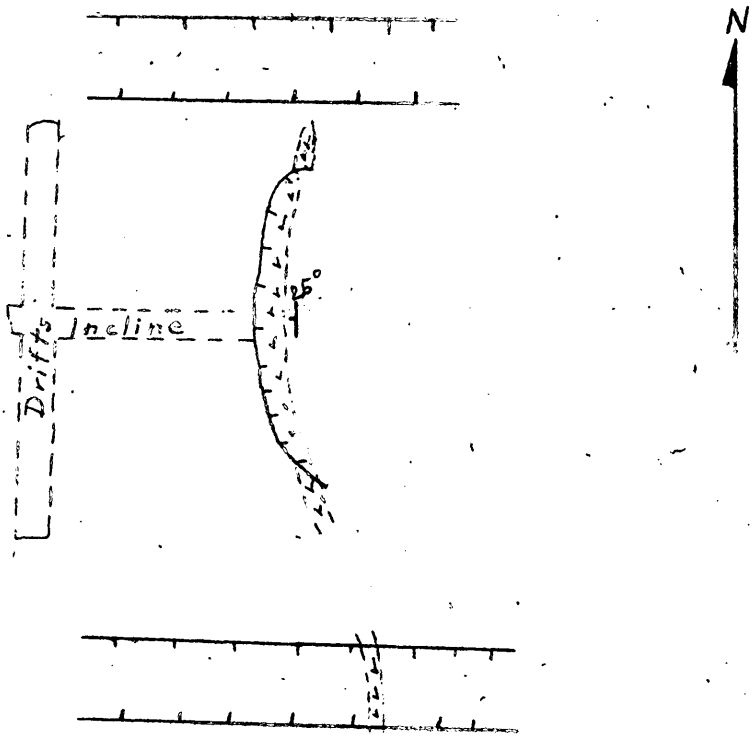
Both shaft and drift shall be 5 feet by 7 feet in cross section and shall be timbered as necessary.

The location, direction, and extent of all work shall have the prior approval of the Government.

Agreed Unit Costs

Construct toolhouse 1/	$200.00	
Bulldozer, 10 hours @ $10.00/hr.	100.00	
Sinking inclined shaft 40 feet, @ $40.00/ft.	1,600.00	
Drifting 40 feet @ $30.00/ft.	1,200.00	
Total Agreed Unit Costs		$3,100.00
Government Participation @ 90%		$2,790.00

1/ The unit is the completed structure.



Sketch of
Bowman Mine
Caldwell Co., N.C.

0 20' 40'
Scale

DMEA-2882 (mica)

600

Mr. Glyde M. Bowman
Bowman Brothers
Route 1
Granite Falls, North Carolina

Re: Docket No. DMEA-2882 - Mica
Bowman Mine
Caldwell County, North Carolina
Contract No. Idm-E535

Dear Mr. Bowman:

We are pleased to advise you that your performance of Exploration work under the subject contract has been satisfactory to the Government, and the account relating thereto has been closed. The final audited and settled account shows:

Total claimed for units of work performed	$3,100.00
Total Government contribution at 90 percent	$2,790.00

Your attention is called to the provision of the contract which requires you to keep and preserve your records and accounts of this transaction for a period of three years for possible future reference.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the exploration contract. In the absence of such certification, the Government retains no claim or lien against the property subsequent to the date of this letter.

The Government is grateful for your participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

[illegible] Mittendorf

Administrator

WCAnderson:gad 4/14/54
Copy to: Admr. R. File
Docket File
Field Team, Reg. 7
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

Project Summary Report

By: Walter C. Anderson March 5, 1954

1. DMEA Docket No. 2882 - Mica
   Contract No. Idm-E535
   Bowman Mine
   Caldwell County, North Carolina

   Operator: Bowman Brothers
   Granite Falls, North Carolina

   Operator's property rights: Owner

2. Contract - dated May 29, 1953.

   Work authorized:

Construct toolhouse	$200.00
Bulldozer, 10 hours @ $10/hr.	100.00
40 feet inclined shaft @ $40/ft.	1,600.00
40 feet drift @ $30/ft.	1,200.00
Total estimated costs	$3,100.00
Government participation @ 90%	$2,790.00

   Amendments: None

   Work completed: Same as authorized.
   Work began on June 22, 1953, and was completed September 9, 1953. Operators' final report received 10/15/53.
   Mica produced during operation sold for- $376.40
   Government received 5% royalty - $ 18.82

3. Audit - certificate issued on January 19, 1954 (no exceptions).
   Accepted cost $3,100.00
   Government participation $2,790.00

4. Certification of Discovery - none issued.

5. Comments:

   How conducted
   1. Efficiently and on schedule according to contract.
   2. Operator cooperative at all times.
   Operation - overall progress very good.
   Engineering - reporting well done.

Geological premises - The premise that a one foot thick mica rich zone on each side of a narrow quartz rib continued proved wrong. With depth the occurrence of mica became too sparse and spotty to initiate a mining operation.

Geological criteria upon which work was based:

1. Well zoned pegmatite, 3-5 feet thick exposed for 50 feet along strike.
2. Narrow central quartz rib bounded on each side by a mica rich zone up to one foot thick.
3. Immediately previous to time of examination, 104 pounds of good quality mica had been produced from a surface pit.

Criteria developed during project: None

Future possibilities: No additional work warranted.

Recommendation: Concur with field team that no certification be made.

WCAnderson:gad 3/5/54

Copy to: Admr. R. File
Docket File
Mr. Houk

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

RECEIVED

February 4, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2882

Contract Number: Idm-E535

Applicant: Bowman Brothers

Name and Location of Property: Bowman Mine
Caldwell County, North Carolina

Date of Field Team Final Report: January 8, 1954

Date Rec'd by Ceramic & Fertilizer Mats. Branch: February 3, 1954

Field Team Recommendation:

1. No certification of discovery or development.

Comments:

1. All mica recovered was of excellent quality.

2. About 500 pounds of "run-of-mine" mica was obtained, as the results of this exploration project.

3. Expenditures:

Total approved	$3,100.00
Total cost	3,100.00
Government's share	2,790.00
Value	376.40
Government's royalty	18.82

4. Field team stated "Insufficient pegmatite was found by the project to permit a profitable operation. . . "

I concur in the field team's recommendation to deny certification of discovery or development. However, it is suggested the field team remain in close contact with any activity that might occur at this mine to make certain any future production will be repaid to the Government.

[Signed]

W. F. Dietrich

IN REPLY REFER TO:

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

G-RD-Cnr

January 20, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2282 (Mica)

To: L. C. Houk, Defense Minerals Exploration Administration
From: W. A. Larrabee, U. S. Geological Survey
Applicant: Clyde H. Bowman and Fred C. Bowman
Name of property: Bowman Mine.
Location of property: Near crest of a low ridge about 4.5 miles northeast of Dudley Shoals and 9.5 miles northeast of Granite Falls, Caldwell County, North Carolina.
Date of field team report: January 3, 1954.
Authorship of field team report: R. H. Teague and L. A. Shirley.
Field team's recommendation:
No certification of discovery should be issued.
Comments:
Because no commercial mica was discovered, no further work is recommended.
ACTION RECOMMENDED:
Follow field team's recommendation.

W. A. Larrabee

Larrabee:jeh
1/20/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230

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

Room 13, Post Office Bldg.
Knoxville 2, Tenn.

COPY

January 6, 1954

Memorandum

To: Operating Committee, D.M.E.A. - Washington

From: Field Team, Region 7

Subject: Final Reports, DMEA-2633, Idm-1504, H. M. M., Inc. (mica)
DMEA-2682, Idm-1535, Keenan Bros. (mica)

Enclosed are four copies each of Field Team final reports and Operator's final geologic reports on the subject exploration contracts.

The Field Team agrees with the examiners' conclusions that certification should not be issued for either of these projects.

/s/ Robert L. Laurence, Executive Officer
DMEA Field Team, Region VII

/s/ Wm. A. Rock, for V. J. Lynch
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
1-18-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

4/21/54

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
BY
Field Team

DMEA-2882, Idm-E 535, BOWMAN MINE (mica)
Caldwell County, N. C.
Operators: Clyde M. Bowman and Fred G. Bowman, Granite Falls, N. C.

By

Kafton H. Teague, Geologist
U. S. Geological Survey

and

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

January 3, 1954

Reviewed by
DMEA OPERATING COMMITTEE
1-18-54
(date)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

Reviewed by
DMEA OPERATING COMMITTEE
1-18-54
(date)

DMEA-2882, BOWMAN MINE (Mica)
Contract Idm-E 535

The Bowman mica mine is near the crest of a low ridge about 4.5 miles northeast of Dudley Shoals and 9.5 miles northeast of Granite Falls, Caldwell County, North Carolina.

Results obtained from this project failed to show a worthwhile deposit of mica. No additional exploration is warranted, nor should a certification of discovery be issued.

This project began on June 22, 1953 and was completed September 9, 1953. Work accomplished consisted of sinking a 5' x 7' inclined shaft in a due west direction on a - 20° incline to a depth of 40 feet. From a point 20 feet from the portal, laterals were driven from the incline to the north and south. Each lateral was 20 feet in length. In addition to the above openings, the Operator drilled jackhammer holes in the floor of the incline and laterals at 10-foot intervals with negative results.

Openings at this place expose sillimanite-mica schist which has been re-crystalized and coarsened and throughout the openings muscovite up to one-half inch in diameter is abundant. Pegmatite is present in the upper 20 feet of the incline and in the south drift; however, contacts are gradational and numerous inclusions of wall rock are present. In the upper portion of the incline and south drift, the zone containing mica is composed mostly of pegmatite and is from 1 to 5 feet thick. The pegmatite is composed of kaolinized feldspar, quartz, and muscovite. Muscovite concentrations were mostly in association with the more quartzose pegmatite.

All mica recovered was of excellent quality. It was clear, hard, flat, deep ruby colored and splits well. Many of the books exhibited crystal outline. All that was obtained was in small sizes. During the project approximately 500 pounds of "run-of-mine" book mica was obtained. Insufficient pegmatite was found by the project to permit a profitable operation, thus no certification of discovery is warranted.

Expenditures:

(a)	Total approved	$3,100.00
(b)	Total cost of project	3,100.00
(c)	Government's share of cost	2,790.00
(d)	Government's share unexpended -None	
(e)	Value of production	376.40
	Government's royalty	18.82

This operation was conducted in an efficient and satisfactory manner. No equipment was purchased for the project.

January 3, 1954

Kefton H. Teague, Geologist
U. . Geological Survey

L. E. Shirley, Mining Eng. U. S.B, M.

Operators Final Overall Progress Report
Bowman Bros Mine
Granite Falls N.C.

DMEA-2882
IDM-E 535

Exploration Project Contract (Dated May 29 1953)
" " Completed Sept 9 1953

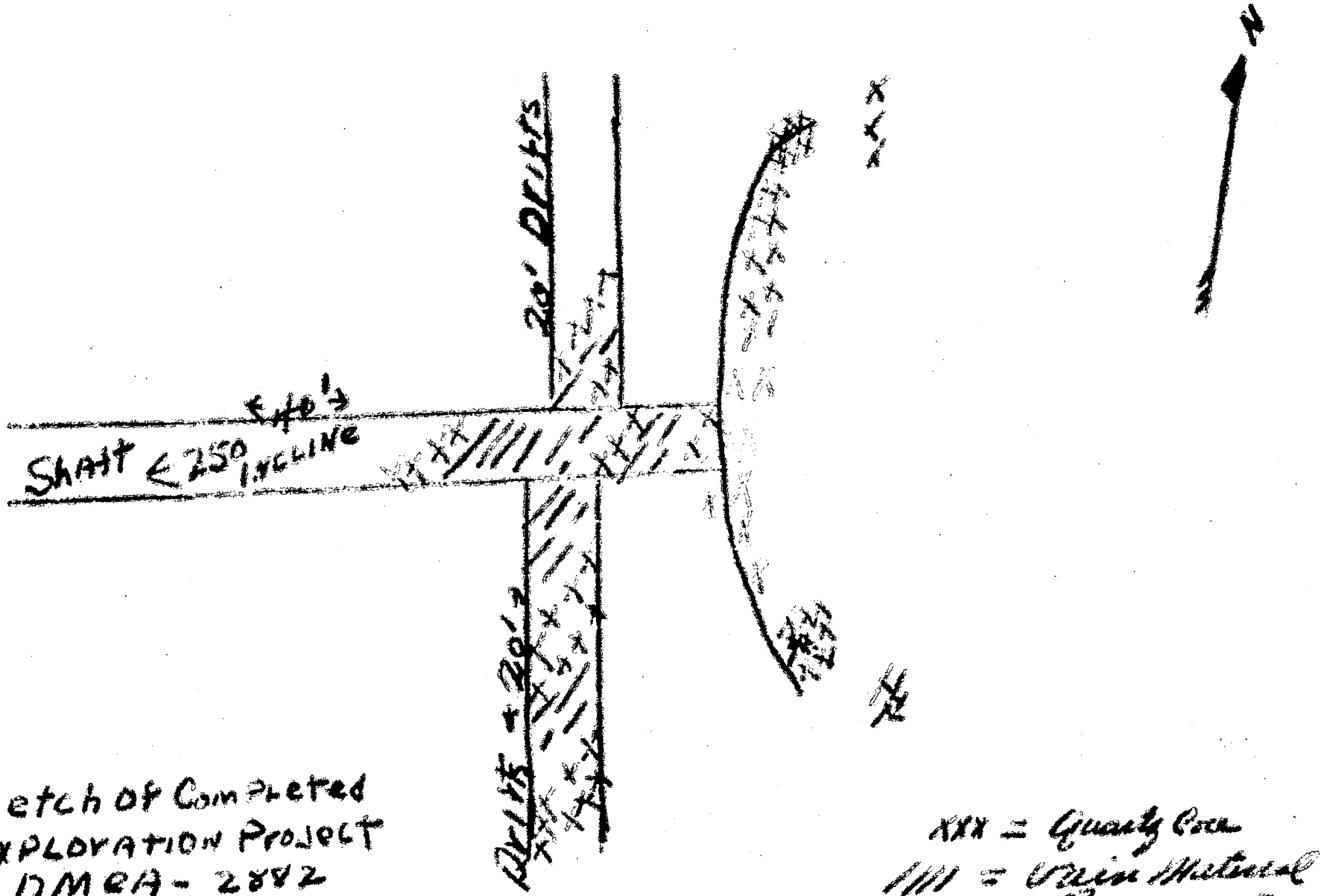
Month of June, Preparation of Shaft Site
Using Bulldozer 10 hrs Completed new tool
house 10'x15' set up Compressor Built A frame
Using Cable and Block Tackling set for Muck
Moving.
Month of July, Started Shaft following Pegmatite
25° incline. hired 5 workmen. removed some
Mica from bottom of Shaft. hired 2 workers
hand cobble & trim Mica. Full Payroll 20-
completed 28 ft incline shaft

Month of Aug. Completed 40 ft incline shaft and 20 ft Drifting
shaft. No Mica see in bottom half of incline
shaft (Map enclosed) see enough Mica from
Drifting shaft to Market full Payroll 5386.6
field Raw Vestigations closed completion of
Contract

Month of Sept.
Complete 20 ft Drifting shaft,
thus completing Contract. Drive small
Mica showing SW shaft

See MAP INCLOSED

Bowman Bros Mine by Clyde H Bowman



Sketch of Completed
Exploration Project
DMEA - 2882
IGM - E 535

BOWMAN Bros MINE
CALDWELL Co GRANITE FALLS N.C.

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

Subject: Docket No. DMEA-2882 - Mica
Bowman Brothers
Bowman Mine
Caldwell County, North Carolina
Contract No. Idm-8535

Dear Mr. Laurence:

Reference is made to subject docket and contract.

Your memorandum of October 15, 1953, reported that subject project had been completed and Operator's final report received but is being held until the Field Team's final report is prepared. Report of Review in lieu of final audit has been prepared but release is being withheld pending receipt of the final Field Team report.

We will appreciate very much receiving the Field Team's final report as soon as possible.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

T. P. Thayer

Member, Geological Survey

WCAnderson:gad 1/8/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

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

C O P Y

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

Dear Mr. Laurence:

Reference is made to your letter of November 12, 1953, advising that you have only four completed or terminated Exploration Project Contracts for which Reports of Review are required and, therefore, and audit trip to Knoxville is unnecessary at the present time.

The recent receipt of the Final Field Team report on DMEA 2861, Idm-E542, Wise, Wise and Phillips, has made it possible for a Report of Review to be prepared. Accordingly, the original and two copies of this Report of Review are enclosed for normal distribution in your Region.

Reports of Review in lieu of final audits also have been prepared, but release is being withheld pending receipt of the final Field Team reports, covering:

DMEA-2677, Idm-E435 Grigg & West
DMEA-2859, Idm-E525 Bennett & Johnson
DMEA-2882, Idm-E535 Bowman Bros.

According to our records it appears that DMEA-2840, Idm-507, Stancil & Jones, also has been completed. The narrative attached to the September MF-104 states, under date of September 25, 1953, "That completes the present contract of 165 ft." This same narrative indicates that the footage of advance, authorized by Amendment No. 1 as "adit or raises", included two 16 foot "shafts"(test pits). Therefore, I have two questions on this project. Has the project been completed? Is approval of the shaft work, apparently authorized informally by the Field Team, being formalized by and amendment?

One other contract, i. e., DMEA-2785, Idm-E518, B&R Mica Company, appears to have been completed in October, although the last MF-104 we have received covers the month of September. An interim report (prepared by Messrs. Shirley and Teague), dated October 19, 1953, indicated 80 feet of shaft sinking and 147 feet

of crosscutting has been completed. The contract authorizes the 80 feet of shaft and maximums of 40 feet of crosscut and 100 feet of drift. Has this contract been completed? Is an amendment being processed to cover the change from drifting to crosscutting? Has the final MF-104 been received?

Your advise on the above questions will be appreciated.

Sincerely yours,

/s/
E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

EDTalbert/wb
November 16, 1953

Copy to: Mail & Files
Admr. Reading File
Mr. Houk
Mr. Chambers

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
DMEA REGION VII
Knoxville, Tenn.

C O P Y

October 15, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee

From: Acting Executive Officer, DMEA - Region 7

Subject: Time Extension Amendments

Your letter of October 13 regarding the above subject:

Idm-E 469, DMEA-2467, Amendment mailed your office 10/14/53

Idm-E 459, DMEA-2579, Amendment mailed your office 10/12/53

Idm-E 535, DMEA-2882, Project completed and Operator's final report has been received in this office but is being held here until the Field Teams final report is prepared. The Field Examiners will examine the property in the near future, after which a report will be written.

/s/
Wm. A. Beck

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
DMEA REGION VII
Knoxville, Tenn.

C O P Y

October 15, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee

From: Acting Executive Officer, DMEA - Region 7

Subject: Time Extension Amendments

Your letter of October 13 regarding the above subject:

Idm-E 469, DMEA-2467, Amendment mailed your office 10/14/53

Idm-E 459, DMEA-2579, Amendment mailed your office 10/14/53

Idm-E 535, DMEA-2882, Project completed and Operator's final report has been received in this office but is being held here until the Field Teams final report is prepared. The Field Examiners will examine the property in the near future, after which a report will be written.

/s/
Wm. A. Beck

OCT 13 1953

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

Dear Mr. Lawrence:

We wish to call your attention to the following dockets the completion dates of which may require extension by amendment. In those cases where this will be necessary and you approve, will you please furnish us copies of such amendments:

Docket	Contract	Completion date
DMEA-2379	Idm-R364	October 1, 1953
DMEA-2467	Idm-R469	September 22, 1953
DMEA-2579	Idm-R459	October 11, 1953
DMEA-2882	Idm-R535	September 29, 1953

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

T. P. Thayer

Member, Geological Survey

LJMcnk:ged 10/8/53

Copy to: Admr. R. File
Docket File
Mr. Henk
Operating Committee
Mr. Dietrich, Rm. 3526
Mr. Larrabee, Rm. G-23, GA

P. S. Amendment No. 1, Docket No. DMEA-2379, Contract No. Idm-R364 was received in this office October 7, 1953.

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

PAYROLL VOUCHER & SCHEDULE

Final Report

90

Month of Sept., 1953 Docket No. DMEA 2882 Contract No. IdM-L535

Operator's Name Bowman Bros Mine Minerals Mich

Address Granite Falls N.C.

Contract Amount, $ 2790.00 Government Participation: 90 % Amount, $ 3100.00

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		100.00	100.00			
Crosscutting						
Drifting	600.00	600.00	1200.00			
Incline Shaft		1600.00	1600.00			
(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.		200.00	200.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	600.00	2500.00	3100.00	600.00	2500.00	3100.00

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

Date Sept 28 Payee Bowman Bros Mine

Per Clyde K Bowman Title Partner

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

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

(Instructions on reverse)

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

$ 540.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date SEP 28 1953 Vou. No. 90

(See other side)

3

60.00

C 9/9/53

(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-E535 in accordance with the terms of the contract.

Signature Laurence E. Shurley Title Mining Engr. U.S.B.M. Date Sept. 14, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

EXECUTIVE OFFICER

Signature Robert A. Laurence Title DMEA REGION VII Date SEP 16 1953

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 2 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Sept 1953 Docket No. DMEA 2882 Contract No. IdM-E535
Operator's Name Bowman Bros Mine Minerals Mica
Address Granite Falls 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.	600.00	20	1200.00	40	30.00	40	30.00
Crosscutting								
Raising								
Shafts				1600.00	40	40.00	40	40.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Prep of shaft & yard site				100.00				
TOTAL DISTRIBUTED COSTS		600.00		2900.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				200.00				
TOTAL COSTS		600.00		3100.00				

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

Date Sept 1953 Operator Bowman Bros Mine

Per Clyde Bowman Title Owner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

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 83-38475

MONTHLY PROGRESS REPORT

SEPT. 1953

DEPARTMENT OF THE INTERIOR
Bureau of Land Management
RECEIVED
OCT 2 1953

IMCA 2882
IdM-E 535

WORK ACCOMPLISHED

Drifting 20 ft N.W. Side of Shaft. Field Team Visited, Completed Contract. rec. 200# rough Mica Med. Size.

Aug 31. Arranged Dirt moving Equipt.

Sept. 1. Drilled 3 Rounds moving muck Vein material showing all Sides

Sept 2. Drilled 3 Rounds moved muck small Mica showing. Small Quartz Core

Sept 3. Drilled 2 Rounds moved muck. Quartz Core larger Books Mica rec 100#

Sept 4. Drilled 3 Rounds moved muck Arranged track for Dirt moving Equipt.

Sept 5. Drilled 3 Rounds moved muck Cross Cutting Quartz Core. 100# rough Mica

Sept. 7. Drilled 3 Rounds moved muck small mica showing. rec 50# rough Mica

Sept 8. Completed 20 ft Drifting Shaft.

Sept 9. Drilled test holes, Field Team visited Discussed Possibilities of further Work. Contract Completed.

Mr. Anderson
Geol

FINAL REPORT

RMA-2882 Adm-2535 (mica) BOWMAN BROS.

OPERATOR: Bowman Brothers, Granite Falls, North Carolina.

LOCATION: Near the crest of a low ridge about 4.5 miles northeast of Dudley Shoals and 9.5 miles northeast of Granite Falls, Caldwell County, North Carolina.

This contract has been completed, and consisted of sinking an inclined shaft to 40 feet and two 20 ft. laterals to the north and south respectively from the shaft. The "north" drift was principally in sillimanitic schist with an occasional pegmatite stringer containing mica. The south drift intercepted a 5 ft. quartz-feldspar-mica zone, which produced some mica of excellent quality, but only in small sizes. It was suggested that any additional work by the operators be accomplished from this part of the mine. Kaolinized feldspar and scattered mica was observed at intervals along the left wall and in the present face. The sillimanitic schist is highly weathered and iron stained.

Overall progress on this contract was very good and the operators were cooperative at all times.

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

A. L. Teague, Geologist
U. S. Geological Survey

September 9, 1953

Mr. Anderson

Form MF-904 (Rev.) (April 1-52)

Budget Bureau No. 42-R1036.3. Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of AUG, 1953 Docket No. DMEA 2882 Contract No. 14-E535

Operator's Name BOWMAN & POS Minerals MICA

Address GRANITE FALLS N.C.

Contract Amount, $ 3100.00 Government Participation: 90% Amount, $ 2790.00

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		100.00	100.00			
~~Clearing~~	600.00		600.00			
Drifting						
INCLINE SHAFT	480.00	1120.00	1600.00			
(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.		200.00	200.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1080.00	1420.00	2500.00	1080.00	1420.00	2,500.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-14

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

Date Aug 29 1953 *Payee Bowman Bros Mining

Per Chas. H. Bowman Title Partner.

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

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

(Instructions on reverse)

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

$ 972.00

Signature Cora A. Piper (Authorized Certifying Officer)

Date SEP 11 1953 Vou. No. 72

(See other side)

3

10800

(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-E535 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Sept. 1, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Beck ACTING EXECUTIVE OFFICER Title DMEA REGION VII Date SEP 3 1953

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).

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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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

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

Month of AUG 29 1953 Docket No. DMEA 2882 Contract No. IGM-E535
Operator's Name BOWMAN BROS Minerals MICA
Address GRANITE FALLS NC.

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	600.00	20	600.00	20	30.00	40	30.00
Crosscutting								
Raising								
Shafts INCLINE	FT	480.00	12	1600.00	40	40.00	40	40.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
PER OF SHAFT & SUB	yds			100.00	600	1/6	600	1/6
TOTAL DISTRIBUTED COSTS		1080.00						TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				20.00				
TOTAL COSTS		1080.00		2500.00				

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 Aug 29 1953 Operator Bowman Bros Mining
Per Clyde K Bowman Title partner

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)

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 83-38475

Monthly Progress Report
Month of August 1953 IMeA-2882
IdM-E235

Work accomplished
Completed 40 ft shaft and 20 ft
Drifting side shaft, field team visited
twice, discussed completion of contract
hand cobbed, timed and shoveled 3386#
Mica

Aug
3 Drilled 3 rounds moved muck
4 Drilled 2 rounds, moved muck
Placed more track.
5 Drilled 3 rounds moved muck
Mostly country rock showing
6 Drilled 3 rounds moved muck
7 Drilled 2 rounds moved muck, small
enclusions mica bottom of shaft
10 Drilled 3 rounds moved muck
Shaft worked on tracking.
11 Drilled 3 rounds moved muck
Shaft 40 ft average 5x7. No mica showing
12 sealed walls, Drilled 25 test holes 3 ft
field team visited, checked all test holes
Marked drifting shaft 12 ft from entrance
N.E. side.
13 arranged dirt moving equipment, tracking
set, for drifting shaft.
14 Started drifting shaft vein
Material showing all sides.

Aug

15 Drilled 2 rounds, moved muck

17 Drilled 3 rounds, moved muck some Country Rock inclusions, very hard to move

18 Drilled 3 rounds, moved muck

19 Drilled 2 rounds, moved muck, vein material dark burned color.

20 Drilled 2 rounds arranged track & extra Pulley block

21 Drilled 3 rounds moved muck shaft 5x7, no large mica.

24 Completed 20 ft shaft

26 sealed walls Drilled 10 test holes field team visited, arranged to start shaft on N.W. side 14 ft from intersect.

28 arranged equipment to start next shaft.

ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.
EXECUTIVE OFFICER
DMEA REGION VII

September 9, 1953

Memorandum

To: Acting Finance Officer - Regional Office - Region 7

From: Executive Officer D M E A - Region 7

Subject: Royalty check on DMEA-2882, Idm-8535 (mica) Bowman Mine.

Transmitted herewith is a check in the amount of $18.82 for the sale of mica on the subject mine. Also attached is the invoice for the sale. This check represents 5% of $376.44.

Robert A. Laurence

RAL
cc:
Beck
Lynch
Mittendorf
Files

ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.
EXECUTIVE OFFICER
DMEA REGION VII

GENERAL SERVICES ADMINISTRATION

Mica Purchase Depot - _____

WARRANTY, ACCEPTANCE AND INVOICE

DATE 8-20-53

ACCEPTANCE NUMBER

ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER	LOT NUMBER	RECEIPT AND WEIGHT TICKET NUMBER

WARRANTY

The undersigned, a participant in the Mica Program, warrants that the mica included in this lot of mica is of domestic origin, is not material owned previously by the Government, was not purchased from others prior to December 14, 1951, and is owned by the person or firm whose name appears below (herein referred to as "Seller").

NAME AND ADDRESS OF SELLER *(Type or print)*	SELLER OR PERSON AUTHORIZED TO SIGN THIS WARRANTY FOR SELLER
NAME Bowman Brothers	SIGNATURE
STREET ADDRESS	NAME *(Type or print)*
CITY, ZONE AND STATE Granite Falls, N. C.	TITLE *(Type or print)*

EVALUATION AND SETTLEMENT DATA

PROGRAM A - BLOCK OR FILM MICA

QUALITY	HALF TRIM			FULL TRIM		
	POUNDS	PRICE PER LB.	AMOUNT	POUNDS	PRICE PER LB.	AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER				.25	$70.00	17.50
GRADES NO. 4 AND 5				2.88	$40.00	115.20
GRADES NO. 5½ AND 6				10.58	$15.00	158.70
STAINED						
GRADES NO. 3 AND LARGER		$12.00			$18.00	
GRADES NO. 4 AND 5		$ 5.00		.89	$ 8.00	7.12
GRADES NO. 5½ AND 6		$ 3.00		9.41	$ 5.00	47.05
HEAVY STAINED						
GRADES NO. 3 AND LARGER		$ 8.00			$13.00	
GRADES NO. 4 AND 5		$ 4.00		.44	$ 6.00	2.64
GRADES NO. 5½ AND 6		$ 2.00		9.41	$ 3.00	28.23
TOTALS						
LOT TOTALS						

PROGRAM B - HAND-COBBED MICA

TOTALS	33.86	$ 0.30	376.44

ACCEPTANCE

Subject to the terms and conditions of the Mica Regulation dated March 12, 1952 (17 F.R. 2279), establishing the Government's Purchase Programs for Domestic Mica, the Government accepts the number of pounds of mica (as hereinabove identified), delivered by the Seller to the Government for which payment in the total amount set forth hereinabove will be made by the Government.

GENERAL SERVICES ADMINISTRATION

BY *(Type name)*	SIGNATURE	TITLE
Carl Buchanan	s/	Head Buyer

INVOICE

TO

General Services Administration, Region IV

FOR

Mica delivered as indicated above — $ 376.44

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

SELLER *(Type name)*	DATE
Bowman Bros. (Bowman Mine [redacted])	8-20-53
BY *(Signature)*	NAME AND TITLE *(Type)*

GSA-WASH DC 53-3094 COPY

GSA FORM 1013
September 1952

DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
AUG 2 - 1963

[illegible] 1

[illegible]-2132 [illegible]-[illegible] (Mica) [illegible]

[illegible]: Bowman Brothers, Granite Falls, North Carolina

[illegible]: Near the crest of a low ridge at [illegible] miles northeast of [illegible] Roads and [illegible] miles northeast of Granite Falls, Caldwell County, North Carolina

Incline shaft sinking has been completed on this contract for a depth of 40 feet on a 20° incline, ~~up-in~~ to the west. The last 21 ft. was driven in country rock, a silt[illegible] schist, [illegible] pegmatite stringers. Most of the mica recovered from sinking came from the first 19 feet of work and it is [illegible] this section that additional work will be concentrated. Drifting will begin shortly to the north at a point 15 feet from the portal, in an effort to place up a mica-bearing zone. Progress on this contract has been good.

L. [illegible] Shirley, Mining Engineer
U. S. Bureau of Mines

[illegible] League, Geologist
U. S. Geological Survey

August 12, 1963

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE ... MENTS K- 8 RECEIVED AUG 20 1953 40

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of JULY, 1953 Docket No. DMEA 2882 Contract No. IDME535
Operator's Name BOWMAN BROS MINE Minerals MICA
Address GRANITE FALLS, INC.
Contract Amount, $ 3100.00 Government Participation 90 % Amount, $ 2790.00

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		$100.00	100.00			
Crosscutting						
Drifting INCLINE SHAFT	$1120.00		$1120.00			
(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.		$200.00	200.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1120.00	300.00	$1420.00	1,120.00	300.00	1,420.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date JULY 30 1953 Payee BOWMAN BROS MINE
Per CHB Title PARTNER

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

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

(Instructions on reverse) 112.00

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

$ 1,008.00

Signature Cora A. Piper
(Authorized Certifying Officer)
Date AUG 13 1953 Vou. No. 40
(See other side)

2

(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. Tdm-535 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.Bm Date Aug. 5, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date AUG 6 1953

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED AUG 20 1953

Month of JULY 1953 Docket No. DMEA 2882 Contract No. IDMES35

Operator's Name BOWMAN BROS MINE Minerals MICA

Address GRANITE FALLS N.C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts INCLINE	Ft.	$1120.00	28	$1120.00	28	$40.00	40	40.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
PREPARATION OF SHAFT SITE	Cu. yds.			$100.00	600	.166	600	.166 yds
Total Distributed Costs		1120.00						Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1120.00		1420.00				

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 JULY 30 1953 Operator BOWMAN BROS

Per CHB Title PARTNER

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)

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 83-38475

MONTHLY PROGRESS REPORT
MONTH OF JULY - 1953

IDMEA-2882
IDM-F535

WORK ACCOMPLISHED

Started shaft sinking following pegmatite 25° incline. Hired 4 workers. Drilled 34 rounds using 300 stifs hand coffed 75% mica full kin 32#

JULY

6 Moved muck from shaft site
7 Worked on dirt moving equipment
8 Drilled 12 rounds moved muck from shaft entrance.
9 Moved muck from shaft entrance placed outside track for dirt moving equipt.
10 Worked on dirt moving equipt. arranged A frame & dumping area
11 Completed dirt moving equipt & tracking dumping area set. built cribbing at shaft entrance, ready to start shaft
13 Hired 4 workers, drilled 2 rounds moved muck. some small mica.
14 Drilled 3 rounds moved muck, shaft 8 ft, some mica 3 to 4 in Book
15 Drilled 3 rounds moved muck small mica showing, cross cut of quartz.
16 Field team visited, shaft 11 ft on 25° decline. Vein material showing all sides, receiving most of mica from bottom 5 feet.

CONTINUED

DAILY REPORT. DMCA-2882

MONTH JULY IDM-E535

Received AUG 1 1933

JULY

17 Drilled 3 rounds, moved muck starting hand cobbing mica out 45 ft

18 Timbered shaft and placed more track.

20 Drilled 3 rounds moved muck, another crop vein quartz core some mica 3 + 4 in 200/w

21 Drilled 4 rounds, moved muck roof of shaft country rock

22 Drilled 3 rounds moved muck ordered 3rd case of dynamite

23 Put in another set of timbers laid more track

24 Drilled 3 rounds moved muck no large mica showing shaft 5 x 7 20 ft.

26 Drilled 3 rounds moved muck another quartz core crop cuts vein material showing in bottom of shaft 3 + 4 in mica

27 Drilled 3 rounds, set timber. quantity quartz.

28. moved muck, rec. some mica

29 Held team meeting. shaft 25½ ft in Pegmatite. following this superstrum

30 Drilled 3 rounds moved muck.

Detailed Inspection Report
AUG 12 1953

TRIMBLE REPORT

MSHA-2882 Id.-2535 (mica) Bowman Mine

OPERATOR: Bowman Brothers, Granite Falls, North Carolina

LOCATION: Near the crest of a low ridge about 4.5 miles northeast of Dudley Shoals and 9.5 miles northeast of Granite Falls, Caldwell County, North Carolina.

Inclined shaft sinking continues on this contract and is now at 25½ feet. A lofting has been erected at the portal and loaded sufficiently with fill to prevent overhang material from falling on the workers. Supporting stulls have been set on 5-8' centers and appears to be satisfactory for supporting the roof adequately.

Material encountered recently is the same as discussed in last report. Mica recovered from this entire operation is reported to be 250 lbs., which sheeted out 10%. Progress on this contract is satisfactory.

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

R. M. Teague, Geologist
U. S. Geological Survey

July 29, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 27 1953

[illegible]

[illegible] Corundum Producers, Graniteville, North Carolina

[illegible] near the crest of a low ridge about [illegible] miles northeast of Ruby Chuck and 3.[illegible] miles northwest of Graniteville, Caldwell County, North Carolina.

Inclined shaft mining has begun and is now down to 16 feet. Material encountered consists of a mixture of sillimanite schist and granitoidal pegmatite material, the latter consisting of quartz, feldspar and small, hard, flat pieces of red ruby color.

Equipment on the job consists of a 106 c.f.m. air compressor and hoisting equipment; a hoisting frame and inclined bucket slides have been constructed. Suggestions made during this visit included the need for construction of powder and detonator magazines. Progress on this project has been good.

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

K. H. Teague, Geologist
U. S. Geological Survey

July 16, 1953

INTERIM REPORT

Case-2832 Idn-5535 (mica) Bowman Mine

OPERATOR: Bowman Brothers, Granite Falls, North Carolina

LOCATION: Near the crest of a low ridge about 4.0 miles northeast of Hudley Shoals and 9.5 miles northeast of Granite Falls, Caldwell County, North Carolina.

This project was started on June 22, 1953 and work accomplished consists of preparing the shaft site with bulldozer and construction of a tool house. It was necessary to drill and shoot dangerous over hang material, from the hanging wall, at the shaft site and recent work consists of moving muck from the open cut.

Shaft sinking will begin shortly.

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

E. B. Teague, Geologist
U. S. Geological Survey

June 30, 1953

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ON VOUCHER AND SCHEDULE
PAYMENTS NOR - K-1

4

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of JUNE, 1953 Docket No. DMEA 2882 Contract No. MME535
Operator's Name BOWMAN BROS MINE Minerals MICA
Address GRANITE FALLS N.C.
Contract Amount, $ 3100.00 Government Participation: 90 % Amount, $ 2790.00

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	100.00		100.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	200.00		200.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	300.00		300.00	300.00		300.00

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

Date JUNE 1953 *Payee BOWMAN BROS MINE

Per C H Bowman Title Sec.

*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:

$270.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date JUL 7 1953 Vou. No. 4
(See other side)

30.00

1st 6/22/53

(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-E535 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. Date July 3, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date JUL 6 1953

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 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of JUNE 1953 Docket No. DMEA 2882 Contract No. 10M-E535
Operator's Name BOWMAN BROS MINE Minerals MICA
Address GRANITE FALLS N C

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails	600		600					
Preparation of Shaft Site	Cu yds	1/100 ¢	Cu yds	1/100 ¢	600	.166	600	.166
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		300.00		300.00				

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 1953 Operator BOWMAN BROS MINE

Per C H Bowman Title Sec.

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)

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 83-38475

OPERATORS MONTHLY PROGRESS REPORT
MONTH OF JUNE 1953

IMEA-NA 2882
IDM NO E535

✓ WORK ACCOMPLISHED.—
Preparation of Shaft ~~Sit~~ finished
used Bulldozer 10 hr.
Completed new 10x15' tool house.
Set up Compressor. have on hand
Powder, fuse, Caps, etc. Arranged to
start Shaft.

JUNE 22. Assembled and hauled material for
Tool house.
23 hauled more material and layed
off foundation. Started Tool house.
24 worked on tool house.
25 hauled tin Roofing, finished tool house
26 Drilled & Blasted 15' hole Contractor
Bulldozer man, moved some muck
29 Bulldozer work completed,
ready to start Shaft

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER AND SCHEDULE OF PAYMENTS NOR

2

K-1

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of JUNE 1953 Docket No. DMEA ~~2647~~ 2467 Contract No. Idm-E 469
Operator's Name MACON MICA MINERS Minerals MICA
Address (N. E. Mashburn) Franklin, N. C.
Contract Amount, $ 5,200.00 Government Participation: 90% Amount, $ 4,680.00

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						
Shafting	1200.-	640.-	1840.-			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Timbering	240.-	-	240.-			
(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	1440.-	640.-	2080.-	1446.00	640.00	2080.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 6/26/53 *Payee Macon Mica Miners
Per N. E. Mashburn Title Partner

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

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

(Instructions on reverse)

144.00

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

$ 1296.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date JUL 7 1953 Vou. No. 2
(See other side)

(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-E469 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date July 3, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

EXECUTIVE OFFICER JUL 3 1953

Signature Robert A. Lamson Title DMEA REGION VII Date JUL 3 1953

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

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

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GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of JUNE 1953 Docket No. DMEA ~~2647~~ 2467 Contract No. Idm-E 469
Operator's Name MACON MICA MINERS Minerals MICA
Address (N. E. Mashburn) Franklin, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising							40	@16.
Shafts	ft.	1200.-	30	1840.-	70	1840.-	40	@40.
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	ft.	240.-	30	240.-	30	240.-	40	@8.-
Total Distributed Costs		1440.-		2080.-				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
Total Costs		1440.-		2080.-				

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 26, 1953 Operator Macon Mica Miners

Per N. E. Mashburn Title Partner

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)

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.

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GPO 83-38475

2467

MASON MINA MINERS
(W. K. MASONHUM)
FRANKLIN, N. C.

DOCKET NO. INRA 2067
CONTRACT NO. Ian-2 168
- NICA -

NARRATIVE - PROGRESS REPORT FOR JUNE 1953.

June 1 to 5	Completed 9 ft. of shafting & Timbering
8 to 12	" 8 " " " " "
15 to 19	" 8 " " " " "
22 to 26	" 5 " " " " "

TOTAL IN JUNE - - - 30 ft. of shafting & timbering

WORK STOPPED ON JUNE 26th; WAITING FOR EQUIPMENT.

WORK WILL BE RESUMED JULY 6th.

6/26/53.

600

MAY 29 1953

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

Subject: Docket No. DMEA-2882 - Mica
Bowman Brothers
Bowman Mine
Caldwell County, North Carolina

Dear Mr. Laurence:

Please find herewith the original and five copies of a contract covering the subject exploration project which have been signed by the Government with register number and effective date as shown.

If the contract meets with your approval, insert the time for starting and completing the work in Article 3 of the contract and present it to the Operator for its approval and signature. Please explain to the Operator that the contract, when executed, is a firm commitment under the terms of which it is obligated to complete the work outlined at the agreed unit cost. If any part of this contract does not have either your approval or that of the Operator and cannot be amended within your delegated authority, then the original and all copies of the contract are to be returned to this office, together with the proposed changes for consideration.

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

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

Enclosures 6

SAFeitler:gad 5/29/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

C C
O O
P P
Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Room 13, P ost Office Building
Knoxville 2, Tennessee

C C
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April 1, 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Field Team, D M E A - Region 7

Subject: Field Team Examination Reports.

Transmitted herewith are four copies of the reports, and six extra copies of the map, for the following examination reports:

DMEA-2882, Bowman Mine (Mica)

DMEA-2892, Barn-Gay Mining Co. (Mica)

DMEA-2909, Old Sheep Mountain Mine, (Mica)

DMEA-2910, Davis Property, (Mica)

DMEA-2917, Allman Cove, (Mica)

The Field Team is in agreement with the recommendations set forth in the above reports.

/s/ Robert A. Laurence
Robert A. Laurence, Executive Officer
DMEA Field Team, Region 7

/s/ Wm. A. Beck,
Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

4-10-53

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2882, BOWMAN MINE (mica)
Caldwell County, N.C.

By

Kefton H. Teague, Geologist
U. S. Geological Survey

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

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

March 31, 1953

Received by
DMEA C... INTELLIGENCE
4-10-53

Field Examination Report on -

DMEA-2882, BOWMAN MINE, (Mica)

Applicant: Bowman Brothers, c/o Clyde H. Bowman
Route 1, Granite Falls, N. C.

The Bowman Brothers have sold 104 lbs. of mica to the Spruce Pine Mica Depot in recent months. This production has been from a surface pit about 40 feet long and 8 feet deep. Very good quality mica has been obtained. With the proper approach the deposit appears to have excellent possibilities for the production of considerable amounts of strategic mica. It appears to justify exploration assistance.

This deposit was examined on March 26, 1953. Both Clyde H. Bowman and Fred G. Bowman were present on the examination which required two hours.

The Bowman Mine is near the crest of a low ridge about 4.5 miles northeast of Dudley Shoals and 9.5 miles northeast of Granite Falls, Caldwell County, N. C. Access to the mine is good.

Both applicants are competent to conduct the proposed exploration.

There are no surface facilities on the property. To date work has been carried on entirely by hand, supplimented by a pan attached to a farm tractor used in moving muck. The applicants have had part of the surface stripped and two shallow bulldozer trenches cut normal to the trend of the pegmatite. Openings now consist of an open cut about 30 feet long and 8 feet deep inclined slightly to the west. The hanging wall has a slight overhang.

The pegmatite has been exposed along the strike over a length of 50 feet. It ranges between 3 and 5 feet in thickness, strikes N-S and dips 25-40° W. The foliation of the sillimanite schist wall rock strike N. 65° W., dipping 65° SW. It appears that the pegmatite is emplaced in a joint. The pegmatite is well zoned, with a narrow central quartz rib bounded on each side by a mica rich zone up to one foot thick. The feldspathic portion is completely weathered.

The mica is deep ruby in color, hard, flat, and splits well. Some of the books contain a few small scattered biotite spots. In general the books are rather small in size, but books up to 6" across are common and one book 12" across has been recovered. The applicants estimate that they have obtained about 1500 pounds of book mica, resulting in 104 pounds of pattern (7%). Most of that sold to date has ranged in size between No. 3 1/2 to 6.

This deposit was prospected slightly by F. L. German in 1942. His production is not known. The applicants began work in the fall of 1952.

The examiners believe that to best explore this deposit an incline should be sunk following the pegmatite down the dip. After the incline is bottomed, drifts should be driven on the pegmatite.

Estimated Costs:

Preparation of incline site—

Bulldozer, 10 hours @ $10.00 per hour	$ 100.00	
40-foot 5' x 7' incline @ $40/ft.	1600.00	
40 feet of drifts @ $30/ft.	1200.00	
10' x 15' Tool House	200.00	
Estimated Total cost.....		$3,100.00

Estimated time required - 50 shifts

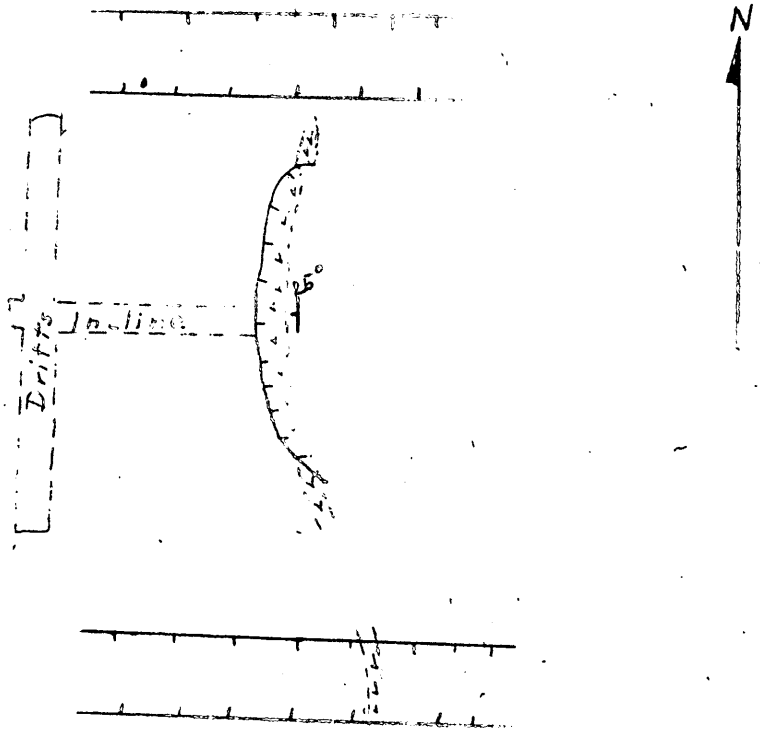
March 31, 1953

K. H. Teague, USGS

L. E. Shirley, USBM

Wm. A. Beck, USBM

xx



Sketch of
Bowman Mine
Caldwell Co., N.C.

0 20' 40'
Scale

DMEA-2882 (mica)

G.O

MAR 6 1953

Mr. Clyde E. Bowman
Bowman Brothers
Route 1
Granite Falls, North Carolina

Re: Docket No. [illegible] - Mica
Bowman Mine
Caldwell County, North Carolina

Dear Mr. Bowman:

Your application for assistance in exploring the subject mine has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert L. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for a field examination.

The regional office will contact you at an early date in regard to the examination of your property. Any assistance that you may give the members of the field team in the examination will be appreciated.

Enclosed herewith is the executed copy of the deed submitted with the application. The metes and bounds description of the land is apparently incorrectly stated as it does not describe a closed traverse. Please have this defect corrected and submit a copy of the corrected deed. It is not necessary to send the original.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

LAFeitler:gal 3/5/53
Copy to: Admin. File
Docket File
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

600

MAR 6 1953

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

Subject: Docket No. [illegible] - Mica
Bowman Brothers
Bowman Mine
Caldwell County, North Carolina

Dear Mr. Laurence:

Please arrange for a field examination of the subject property and submit a report with your recommendations for the disposition of this application.

Two copies each of memoranda from the Geological Survey and the Bureau of Mines are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

C. N. Johnson

Member, Bureau of Mines

D. M. Lemmon

Member, Geological Survey

Enclosures 4

SAFeitler:gad 3/5/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

IN REPLY REFER TO:

G-MD-CHM

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

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB 17 1953

February 16, 1953

Memorandum

REVIEW OF APPLICATION DMEA-2882 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: Bowman Brothers, Route 1, Granite Falls, North Carolina.
Name of property: Bowman Mine.
Location of property: 8 miles east of Granite Falls in the Dudley Shoals section of Caldwell County, North Carolina.
Estimated cost of project: $3,936.00.
Summary of applicant's proposal:
Extend tunnel along the direction of the strike and/or sink inclined shaft, depending upon advice of field team.
Sources of information on applicant's property:
No information on this property; general geologic information on area is found in:
Hash, L. J., and Van Horn, E. C., 1951, Sillimanite deposits in North Carolina: North Carolina Dept. of Conservation and Development, Bull. 61, pp. 12-16.
Comments: Applicant claims that this prospect produced 75 pounds of full-trimmed strategic mica, of which 58.74 pounds was sold to Emergency Procurement Service. The invoice is said to be attached but is not present with copy of application reviewed.
RECOMMENDATION: Locate invoice and verify sale of strategic mica from this property; if favorable, then field examination.

R. E. Van Alstine

Van Alstine:jeh
G-2/16/53
cc: Director's reading 4212
Branch "
DMEA ✓
Norton G-230
Van Alstine G-230

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

February 20, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2882, Bowman Brothers' Project, Caldwell County, North Carolina

No data are available in this office on subject property. It is suggested that the field team visit this property when they are in that vicinity to ascertain if an exploration program is justified.

Signed

W. F. Dietrich