UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (~~or cancelled~~) without certification. DMEA No. 2345

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Reports of Review.
✓ Closing Letter
Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

✓ Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

Owner's Consent to Lien.

Subordination Agreement.

✓ Leases and assignments of leases.

✓ Application and attachments.

✓ Schedule of Collections.

✓ Operator's monthly reports and all attachments (latest on top).

Right Side

✓ Project summary.

✓ Work completed analysis.

All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report. (Tab)

✓ Operator's Final Report.

✓ Interim Reports.

On-site Exam Report(s). (Tab)

Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number_____

Operator's Monthly Reports in folder number _____

cw
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

F. C. Phillips, Ernest Crowder & John Phillips

d/b/a Bess Gaston Mica Mipers

Spruce Pine, North Carolina

pertaining to Exploration Project Contract No. Idm-E303, Docket No. DMEA-2345, including Amendments Nos. 1 and 2 for the months of May, 1952 to June, 1953, inclusive, covering a project for the exploration of mica.

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 Executive Officer of the DMEA Field Team, and a determination of the reasonableness and propriety of the costs.

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

> the contract provides for payment by the Government on the basis of agreed estimated costs of units of work actually performed and, due to subsequent modification and amendment of the contract, supersedes a Report of Review in lieu of a final audit, dated April 16, 1953, covering the period of May, 1952, to March, 1953, inclusive.

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

Total cost as billed by Contractor		$7,561.00
Exceptions:		
By DMEA Finance Officer	$ - 0 -	
Herewith	- 0 -	- 0 -
Total Accepted Cost		$7,561.00

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 Six thousand eight hundred four and 90/100 Dollars

$6,804.90

is considered valid and proper.

E. R. Talbert
Auditor

July 14, 1953

Mr. Talbert

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

F. O. Phillips, Ernest Crowder & John Phillips

d/b/a Bass Gaston Mica Mines

Spruce Pine, North Carolina

pertaining to Contract No. Idm-E303, Docket No. DMFA-2345, including Amendment No. 1, for the months of May, 1952 to March, 1953, inclusive, covering a project for the exploration of mica.

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 Executive Officer of the Field Team, and a determination of the reasonableness and propriety of the costs.

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

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		$ 6,900.00
Exceptions:		
By DMFA Finance Officer	$ - 0 -	
Herewith	- 0 -	-0-
Total Accepted Cost		$ 6,900.00

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 Six thousand two hundred ten and no/100 Dollars,

— $ 6,210.00 —

is considered valid and proper.

E. D. Talbert, Auditor

April 16, 1953

FILE COPY
SURNAME: AB

Anderson
Hart
Chrisman

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

DEC 30 1953

Mr. Fletcher O. Phillips, Manager
Bess Gaston Mica Miners
Spruce Pine, North Carolina

Subject: Docket No. DMEA-2345 - Mica
Bess Gaston Mine
Gaston County, North Carolina
Contract No. Idm-E303

Dear Mr. Phillips:

This is with reference to the subject Exploration Contract between your company and the Government.

The final audit of the contract expenditures and the final reports of the Operator and the Field Team have been received and accepted by this Administration. A contract for the total amount of $8,300.00 was approved and the sum of $7,561.00 was expended, 90 percent of which, or $6,804.90, represented the Government's share. There were no unused materials, supplies or equipment to be disposed of for the joint account of the Operator and the Government.

Because the results of the exploration were unfavorable, it is not our intention to make a certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to Article 5 (d) of the Contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract".

Your interest in the Exploration Program of the Defense Minerals Exploration Administration and your willingness to participate therein are appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:ag 12/23/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.G. 12-30-53

Government's Copy

BESS GASTON MICA MINERS
EXPLORATION PROJECT CONTRACT
DOCKET NO. DMEA-2345

AMENDMENT NO. 2

It is agreed this 8th day of June, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Fletcher O. Phillips, Ernest Crowder, and John Phillips - d/b/a Bess Gaston Mica Miners, a partnership, each acting in consideration of the agreement of the other to the terms hereinafter set forth, that Exploration Project Contract Idm-E 303, Docket No. DMEA-2345, dated April 25, 1952, as amended, be further modified and amended as of March 31, 1953, as follows:

1. In lieu of Exhibit "A", as amended, substitute the following:

Exhibit "A"

Description of the Work

The work is to be done in two stages as follows:

Stage I

Sink a timbered shaft 6 feet by 8 feet by 116 feet deep, and drive 113.6 feet of drift, 5 feet by 7 feet in cross section, from the shaft.

The shaft is to consist of a hoisting compartment and a manway boarded off from the hoisting compartment.

The shaft and drift are to be located essentially as indicated on the attached map entitled "DMEA-2345" but the exact location of the shaft, and the extent and direction of drift are to be specified by the Government.

Stage II

Starting at a point mutually agreeable to the Operator and the Government on the 109 foot level near the shaft, drive not more than 50 feet of crosscut due south to intersect the pegmatite, approximately as shown on the attached map

entitled "Geologic Maps and Sections of the Big Bess Mine, Gaston County, North Carolina, DMEA-2345". After 10 feet of crosscut have been completed, long drill holes pointed 45 degrees up and collared near the top of each face, shall be kept not less than 10 feet ahead of the face. If the pegmatite is not intersected with 25 feet of crosscut and cannot be intersected with long holes drilled south, the project is to be terminated automatically.

Agreed Unit Costs

Stage I

Sinking shaft 116 feet @ $35.00/ft.	$4,060.00	
Drifting 113.6 feet @ $25.00/ft.	2,840.00	
Total Stage I		$6,900.00

Stage II

Crosscutting 50 feet @ $25.00/ft.	1,250.00	
Long hole drilling 150 feet @ $1.00/ft.	150.00	
Total Stage II		$1,400.00
Total Agreed Unit Costs		$8,300.00
Government Participation @ 90%		$7,470.00

2. In Article 3 of the contract form, as amended, substitute the words "eighteen (18) months" for the words "twelve (12) months".

3. In Article 4 of the contract form, in lieu of the figures "$6,210.00" and "$6,900.00" substitute the figures "$7,470.00" and "$8,300.00" respectively.

4. Annex II modifying Article 6 of the contract form is attached hereto and made a part hereof.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O O Mattheudorf
Administrator, Defense
Minerals Exploration
Administration

BESS GASTON MICA MINERS

By (G O Phillips) Estelle C Phillips
(Partner)

By Ernest Crawford
(Partner)

By John P Phillips
(Partner)

ANNEX II

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:

AMENDMENT NO. 1

Exploration Project Contract
Fletcher O. Phillips, Ernest Crowder, and John Phillips,
d/b/a Bess Gaston Mica Miners, A partnership
Docket No. DMEA-2345

It is agreed this 3rd day of March 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Fletcher O. Phillips, Ernest Crowder, and John Phillips, doing business as Bess Gaston Mica Miners, a partnership each acting in consideration of the others to the terms hereinafter set forth that Exploration Project contract Idm-E303, Docket No. DMEA-2345, dated April 25, 1952, between the parties hereto be modified and amended as of February 24, 1953, as follows:

(A) In Exhibit "A", under "Description of the Work," change the number of feet of shaft to be sunk from 125 feet to 116 feet, and the number of feet of drift to be driven from 101 feet to 113.6 feet.

(B) In Exhibit "A", under "Estimated Cost of the Project:"

(a) Delete entirely and substitute the following:

116 feet of shaft @ $35 per foot	$4,060.00	
113.6 feet of drift @ $25 per foot	2,840.00	
Total estimated cost		$6,900.00
Government's participation at 90%		$6,210.00

(C) In Article 3 of the contract form, in lieu of the words ten (10) months, substitute therefor the words twelve (12) months.

(D) This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of costs which the Government may be obligated to pay under the provisions of Article 4 of the contract form.

THE UNITED STATES OF AMERICA

By Robert A. Lawrence
Executive Officer, Defense Minerals
Exploration Administration

BESS GASTON MICA MINERS

By F O Phillips
Fletcher O. Phillips, Mgr.

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2345

COMMODITY Mica

Idm-E303

GOVERNMENT'S COPY

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 25th day of April, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Fletcher O. Phillips, Ernest Crowder, and John Phillips - d/b/a Bess Gaston Mica Miners, a partnership.
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

hereinafter called the "Operator," as follows:

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 Gaston, described[3] in Annex I attached to and made a part of this contract

the Operator represents and undertakes:[4]

(*a*) ~~That the Operator is the owner, in possession and entitled to possession, free and clear of all encumbrances, liens, mortgages, and encumbrances as to which the subordination agreement on the back hereof is attached~~

None

(*b*) That the Operator is a lessee, in possession and entitled to possession, ~~and free and clear of all encumbrances~~.
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 thirty (30) 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 ten (10) 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 90 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 $6,210.00, which is 90 percent of $6,900.00, 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:

(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.

BESS GASTON MICA MINERS, a partnership

By C B Collins, atty in fact ~~(Partner)~~

~~(Operator)~~

By _____ (Partner)

By _____ (Partner)

THE UNITED STATES OF AMERICA

By C D Mitteulorf

Acting Administrator, Defense Minerals Exploration Administration

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

_____ [CORPORATE SEAL]

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

NORTH CAROLINA

GASTON COUNTY

POWER OF ATTORNEY

We, Fletcher O. Phillips, Ernest Crowder, and John Phillips, the partners in the joint venture and partnership of BESS GASTON MICA MINERS, do hereby appoint C. B. Collins our attorney and empower him to act in our stead before the Defense Minerals Exploration Administration, DMPA, and other Government agencies having jurisdiction over mining exploration and production incentives; to prosecute our applications and to enter into ~~and consumate~~ contracts in the same manner and effect, with the same force as if any or all of us were to negotiate, ~~consumate~~, or enter into said contracts.

Done this 7 day of April in the County of Mitchell, State of North Carolina.

Fletcher O. Phillips (SEAL)
Fletcher O. Phillips

Ernest Crowder (SEAL)
Ernest Crowder

John Phillips (SEAL)
John Phillips

State of North Carolina

County of Mitchell ss:

I, Kenneth R. McKinney, a Notary Public in and for the State of North Carolina do hereby certify that Fletcher O. Phillips, Ernest Crowder, and John Phillips did this 7 day of April personally appear before me and execute the above set forth power of attorney.

Kenneth R. McKinney
Notary Public

My Commission Expires: 11/21/52

ANNEX I

That plot and parcel of land on the farm of M. S. Bess and Georgia Bess, located alongside the Cherryville and Kings Mountain State Highway, in Gaston County, North Carolina, where they now reside; commencing at a stake located by F. O. Phillips and Mr. Griffith of U.S.G.S., said stake being 69 feet S 25 degrees W of the S.E. corner of the barn and inscribed by a circle 150 feet in radius from that stake.

The Operator agrees that all other interests in the land acquired by any or all of the partners, by lease or otherwise, on the above described farm shall be included under Article 2 of the contract and shall be subject to all other provisions of the contract. Within 10 days from the date of such acquisition, the Operator shall furnish to DMEA a copy of the evidence of the acquisition and a legal description of the acquired land.

EXPLORATION PROJECT CONTRACT
BESS GASTON MICA MINERS
DOCKET NO. DMEA-2345

EXHIBIT "A"

Description of the Work

Sink a timbered shaft 6 feet by 8 feet by 125 feet deep, and drive 101 feet of drift, 5 feet by 7 feet in cross section from the shaft.

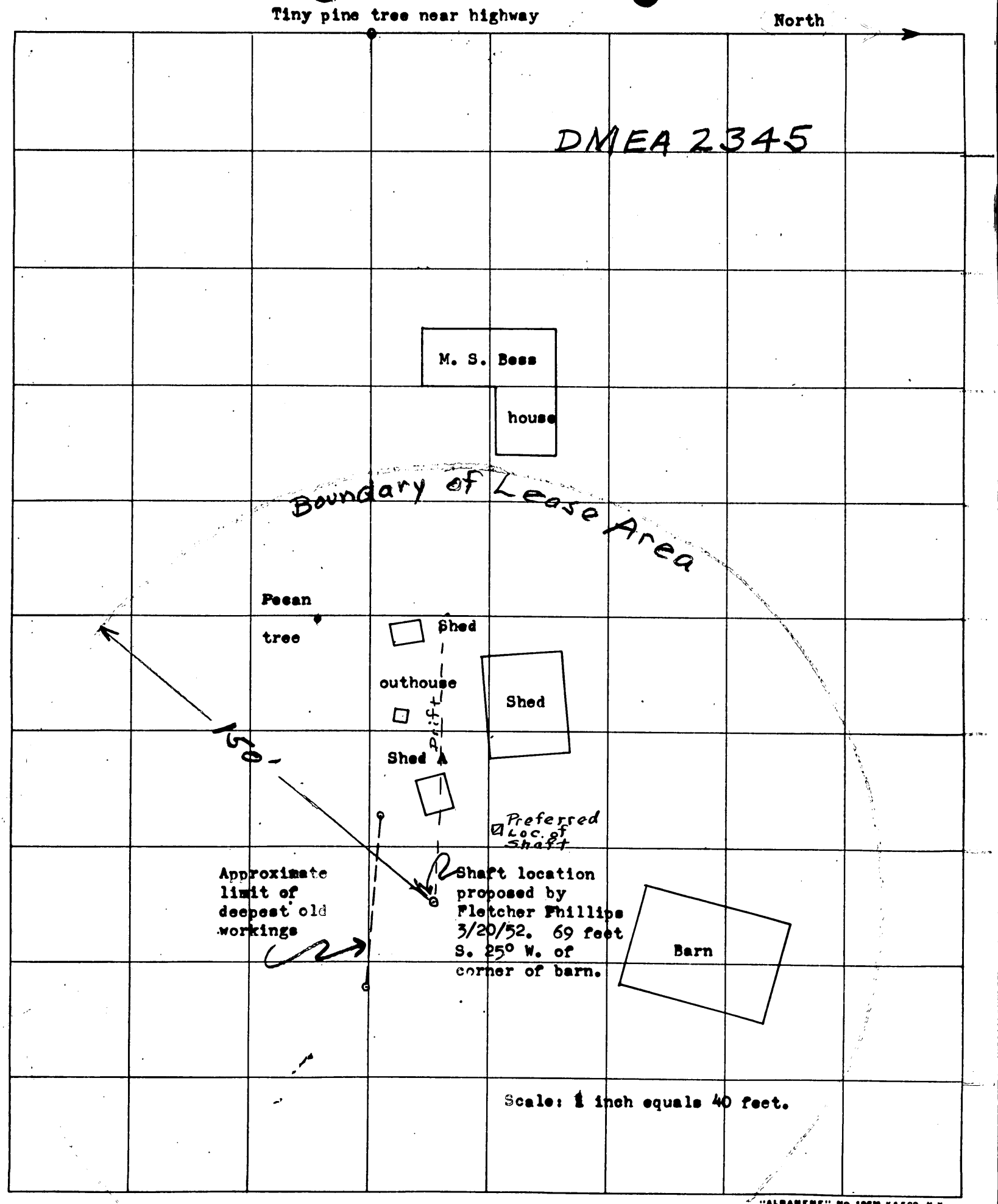
The shaft is to consist of a hoisting compartment and a manway boarded off from the hoisting compartment.

The shaft and drift are to be located essentially as indicated on the attached map, but the exact location of the shaft, and the extent and direction of drift are to be specified by the Government.

Estimated Costs of the Project

125 feet of shaft at $35.00 per foot	$4,375.00
101 feet of drift at $25.00 per foot	2,525.00
Total estimated cost	$6,900.00
Government participation at 90%	$6,210.00

Position of buildings on the M. S. Bess property, Gaston County, N. C.



"ALBANENE" NO. 196M K&E CO., N.Y. REG. U.S. PAT. OFF.

A S S I G M E N T

I, (XXX), Ernest Crowder

the undersigned for and in consideration of One Dollar and other valuable consideration, in hand received and hereby acknowledged, do hereby sell, assign, transfer, quit-claim, and deliver unto the partnership, Bess Gaston Mica Miners all my (xxxx) right title and interest, both legal and quitable, in and to the following described property, chattles, or goods: a certain lease dated May 21, 1951 signed by M. S. Bess and Georgia A. Bess, leasing to me a parcel of their farm known as the "Big Bess Mine"

WITNESS my (xxxx) hand(xx) and seal(xx) this 13th day of May ~~1951.~~ 1952.

Ernest Crowder

This is an extention to the boundary based to Ernest Crowder on the 21st day of May 1951,

Beginning on the corner and S.E. End of the 500 foot line and runs N 112 feet to a sweet gum tree; thence S 80 W 165 ft to the Corner of Barn; thence S 40 W 100 ft back to a stake in the 500 foot line, thence S 85 E 136 feet to the beginning.

Signed this the 7th day of March 1952

Seal M. D. Bess

Witness

Seal Georgia Anna Bess

J O Phillips

MINING LEASE

State of North Carolina Gaston County:

This indenture made this 28th day of March, 1951

between M. S. Bess and Georgia A. Bess

of Gaston County and State of North Carolina, as party of the first part, and known as lessors, and Bess Gaston Mica Miners (a partnership)

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

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

That plot and parcel of land on the farm of M. S. Bess and Georgia A. Bess in Gaston County where they now reside, commencing on a stake located by F. O. Phillips and Mr. Griffith of USGS, said stake being 69 feet S 25 degrees W of the SE corner of the barn and inscribed by a circle 150 feet in radius from that stake.

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

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part ies of the first part, or his or their heirs or assigns, a rental royalty of one-eighth (1/8) of all mica and the usual royalties on all other minerals sold.

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

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

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real eastate described and set forth in this lease for a total purchase price of $ no option , said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

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

Lessees agree to fill shaft when mining is finished.

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

Witness:

Ernest Crowder

M. B. Bess (Seal)

Georgia A Bess (Seal)

Bess Foston Mica Mines

By F O Phillips (Seal)

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMEA-2345
Metal or Mineral
Date Received 1-25-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 25 1952

Name and address of applicant

Bess Gaston Mica Miners
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

Date January 18, 1952

If you have already filed MF-100, give date filed Herewith, type of assistance requested Exploration and Developmental,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

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

Bess Gaston Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

January 18, 1952
(Date)

Manager (a general partner)
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

MF 103

Defense Minerals Administration

Bess Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

1. (a) See copy of lease--Attached as Exhibit A.

   (b) Not owner--Lessee--See copy of lease, attached as Exhibit A.

   (c) All of that area set out by metes and bounds which is described and set forth in the lease.

      (1) Area is the same.

      (2) Landlords subordination agreement previously submitted. See application DMA 1391X.

Bess Gaston Mica Miners
(a general partnership)
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

2. (a) Strategic grade muscovite, classified as ruby (pinkish bluff), having a dielectric constant of 100, all testing E-1.--(See Exhibit "G" of Application DMA 1391X.) (Also see "Big Bess Mine" in Geological paper 229.)

(b) This mine was profitably worked during World War II. Mica from this mine was sold to Colonial Mica Corporation until that corporation ceased buying. More than $150,000 worth of mica was removed before the close of the World War II mica market. The mine was closed at that time, because there was no profitable market then existing. The open cut which was 110 feet deep was filled in accordance with a provision in the lease.

Commercial ore is expected to be found because the abandoned mine face is well known, and has been mapped by the U. S. Bureau of Mines. (See Map Exhibit B.)

It is known that the remainder of the pegmatite contains mica bearing ore. The U.S. Bureau of Mines core drilled this mine, near the end of World War II. The cores from these drillings revealed that mica exists at two levels. One approximately 50 feet below the surface, and another at approximately 90 feet below the surface.

To explore at these two depths as thoroughly as possible, with the minimum amount of financial assistance, it is requested that a contract be entered into which would require a timbered shaft to be lowered to the dyke, then on through the dyke so that the mineralization at these two levels could be determined. If the mineralization is found to be as rich in strategic grade sheet muscovite as the prior workings, the partnership will then develop the mine so as to put it into commercial production. It should be borne in mind that if the mineralization of the remainder of the pegmatite is similar to that which has already been mined, a good quantity of strategic sheet mica will be made available for U. S. stockpile purchase.

(See Exhibit C for published data regarding this mine.)

Bess Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

3. (a) It is proposed to lower a 6X6 shaft at the spot indicated on the map in Exhibit "C", so that the shaft will contact the pegmatite approximately 10 feet on the pegmatite side of the abandoned mine face. The abandoned mine face was an "open cut" approximately 110 feet below the surface.

Core drillings conducted by the U. S. Bureau of Mines in 1945 revealed that the overburden extends to approximately 40 or 50 feet before hard rock is encountered. Therefore, the shaft will have to be timbered only through the overburden. And since the prior open cut was refilled to surface level, an underground pond or soft receiving basin now exists to receive underground water. Therefore a good size electric water pump will be utilized to remove this water as the shaft is lowered.

For the first 15 to 20 feet of depth, the shaft will be sunk through the refilled material, then solid original dirt will be contacted. (See Figure 10D in Exhibit "C" which is tab labeled "Map".)

After the shaft contacts country rock and the pegmatite, it will be necessary to use a jackhammer and dynamite to aid in lowering the shaft through the dyke which will run out at approximately 110 feet below surface.

Once the pegmatite has been contacted, an accurate record will be kept of the mineralization of the material brought to the surface. These records will show, when the project is completed, if the unmined portion of the pegmatite is rich enough in sheet mica of strategic grade to warrant commercial production by the operator.

If the mineralization does indicate that commercialization is warranted, the operator will place the mine into full production at once, because the core drilling work performed by the U. S. Bureau of Mines indicates that the major portion of this pegmatite has not been mined.

It is expected to take 16 weeks to complete the project, however if the overburden extends to 50 feet, and the pegmatite is soft, the project will be completed quicker. The costs for the project are itemized below.

COST OF PROJECT

		Per Week	16 Week Period
LABOR			
	1 timberman	60	
	1 hoist operator	50	
	2 muckers $50 each	100	
		210	$3,360

Bess Gaston Mica Miners
(A general partnership)
Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

3. (Cont.)

COST OF PROJECT

		Per Week	16 Week Period
SUPERVISOR			
	1 supervisor ½ time	50	800
EQUIPMENT			
(A)	1 Doubledrum hoist (gas) at $70 per mo.		280
(A)	1 2½ ton metal dump truck at $60 per mo.		240
(R)	1 Electric Water pump 5 hpr. at $100 per mo.		400
(R)	1 jackhammer at $20 per mo.		80
	1 65 cu ft air compressor (gas) at $40 per mo.		160
	Pump column		( )
FACILITIES			
	Installation of electric line 150 feet and transformer		240
SUPPLIES			
	Timbering* (to 50 foot depth)		329
	Dynamite		400
	Drill Steel & bits		375
	Gasoline & oil	25	400
	Misc. hand tools		50
	Water & air hose		100
			$7,214

(A) Furnished by applicant (See answer to question 7.)
(R) To be rented (See answer to question 7.)
* Timbering calculations are as follows:

Bess Gaston Mica Miners
(A general partnership)
Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

3. (Concl.)

Using 2X6 boards 7 feet long, a shaft approximately 6X6 will be formed after the ends of the 7 foot boards are notched to permit interlacing. One 2X6X7 board contains 7 board feet. One such board will cover 6 vertical inches on one side of the shaft. Therefore, it will take 100 boards to cover one shaft wall. 400 such boards will be required to cover the 4 shaft walls to a 50 foot depth.

2X6X7--7 board feet
400 boards
2800 bd. ft. (in place)
933 1/3 wastage
3733 bd. ft. required
$90 per M (cost)
$328.97

Bess Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

4. There is no work now being done. The mine was closed at the termination of Colonial Mica Corporation's purchasing. The open cut was filled up, and crops cultivated on the surface. A map showing the extent of the workings as they existed in 1945 is attached at Exhibit C. The site of the proposed exploratory shaft is indicated on the map.

   The shaft will be lowered from the surface so as to contact the pegmatite ten feet inside the dyke in relation to the abandoned mine face.

   (It should be noted that this mine is located less than 200 feet from a good road, in level terrain, and that electric power lines exist at the road from which current can be obtained. This current will make it possible for a pump to run unattended for 24 hours per day and will insure a constant supply of power.)

Bess Gaston Mica Miners
(A general partnership)
c/O Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

5. There are no existing buildings, facilities, etc.

Bess Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

6. No facilities, buildings, etc. are to be purchased. (See answer to question 3.)

BESS Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

7. (a) The following items are to be rented.

1 Electric water pump 5 hpr at $100 per mo.	400
1 jackhammer at $20 per mo.	80
1 65 cu ft air compressor (gas) at $40 per mo.	160
	$640

(b) The following items are to be purchased.

Timbering 3.7 M bd. ft.	329
Dynamite	400
Drill Steel & bits	375
Gasoline & oil	400
Misc. hand tools	50
Water & air hose	100
	$1644

(c) The applicant will furnish the following.

1 Double drum hoist (Replacement value $4200)	280
1 $2\frac{1}{2}$ ton metal dump truck (Replacement value $3600)	240
	520

Bess Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

8. LABOR

	Per Week	16 Week Project
1 Supervisor ½ time	$50	
2 Muckers at $50 ea	100	
1 hoist operator	50	
1 timberman	60	
	$260	$4,160

Bess Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

9. There will be no additional costs. Fletcher O. Phillips, Manager, will make no charge to the partnership nor to the project for accounting work performed or to be performed.

   (See answer to question 3.)

Bess Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

10. (a) Ten percent of the total amount of the contract less the value of depreciation of items (A) in answer to question 3.

(b) Yes.

Bess Gaston Mica Miners
(A general partnership)
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

11. By the terrain being flat in this locality and the mine being located so close to good roads, it will be possible to work all year in this mild North Carolina climate.

This partnership is composed of individuals well known for their business acumen and mining experience. They are, Fletcher O. Phillips, John Phillips, and Ernest Crowder, all of Spruce Pine, North Carolina. A personal history of each is set forth as Exhibit D.

(See former application DMA 1391X for county road map showing location of mine.

This mine produced between $125,000 and $150,000 worth of mica during World War II. It stopped production only because the "bottom" fell out of the market price in 1945. The inferred ore reserves as plotted by the USBM indicates that only a minor portion of this mine has been worked.

(Mine is three miles from Cherryville, North Carolina on the Cherryville-Kings Mountain highway.)

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2345

Date received 1-25-52

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 25 1952

Bess Gaston Mica Miners
c/o Fletcher O. Phillips
(Manager, a general partner)
Spruce Pine, North Carolina

Name and address of applicant

Date _____

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of Sec. 124A of the Amortization Deduction of Internal Revenue Code, 1950~~) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

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

Bess Gaston Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

January 18, 1952
(Date)

Manager (a general partner)
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

MF 100 Defense Minerals Administration

Bess Gaston Mica Miners
c/o Fletcher O. Phillips
(Manager, a general partner)
Spruce Pine, North Carolina

1. (a) Strategic grade sheet mica. (See Geological professional paper 229)
   (b) None--There might be a small quantity of feldspar, but all feldspar grinding plants are far removed from the mine site.

2. The name of the mine is "Big Bess." (a - d) Not now in production. An open cut 110 feet deep existed in 1945, but has since been refilled and crops cultivated on the surface.

3. The mine is located within 200 feet of the Kingsmountain Cherryville Highway, three miles from Cherryville.
   (d) Gaston County, North Carolina.

4. (a) Not now in production.
   (b) Lessee (Lease is in good standing.)

5. Mine was first operated in 1880. Production was spasmotic, it being worked only when the domestic purchase price of mica was sufficiently large.

6. For the experience of the operators, see Exhibit D of MF 103.

7. $125,000 to $150,000 worth of mica was purchased from this mine during World War II.

8. See Exhibit D, Form MF 103.

9. Not applicable.

10. Not now in production.

11. Unanswerable.

12. It is impossible to calculate ore reserve of a mica mine. However, IR 4141 indicates that there is ample mica bearing pegmatite still unmined.

13. Good hard top road to mine.

14. No water needed.

15. See MF 103.

16. See MF 103

17. See MF 103

18. See MF 103

EARTH MOVED & COST

To sink a shaft that will result in a 6X6 timbered opening, a hole roughly 7X7 must be dug.

7X7--49 sq. ft.
110 deep
490
49
5390 cu. ft.

5390 ÷ 27--199.6 or 200 cu. yds.

$7,214 anticipated cost of project

$65.58 per foot of depth.

$36.07 per cu. yd. removed.

Exhibit A

MINING LEASE

State of North Carolina Gaston County:

This indenture made this 21st day of May, 1951

between M. S. Bess

of Gaston County and State of North Carolina, as party of the first part, and known as lessor___, and Ernest Crowder

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

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

Beginning on a stake on Cherryville & Kings Mountain State Highway and edge of M. S. Bess' yard where he now lives and running S 850 E 500 feet to a stake in field thence S 21° W 457 ft to stake, thence S 84° W 268 ft to stake, thence N 52° W 157 ft to concrete tile butment in highway, thence N 6° E 432 ft with highway to the beginning.

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

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part y of the first part, or his or their heirs or assigns, a rental royalty of one-eighth on all mica

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

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

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

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

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

Witness:

/s/ M. S. Bess (Seal)

/s/ Georgia A. Bess (Seal)

(Seal)

NORTH CAROLINA, Gaston COUNTY:

The execution of the foregoing instrument was this day acknowledged before me by M. S. Bess the grantor___ for the purposes therein expressed. Let the same, with this certificate, be registered. This 21st day of May, 1951.

/s/ Kenneth R. McKinney

******

NORTH CAROLINA, Gaston COUNTY:

I, Kenneth R. McKinney, do certify that M. S. Bess and Georgia A. Bess, his wife personally appeared before me this day, and acknowledged the execution of the annexed mining lease and the said Georgia A. Bess being by me privately examined separate and apart from her said husband, touching her voluntary execution of the same; doth state that she signed the same free and voluntarily, without fear or compulsion of her said husband, or of any other person, and that she doth still voluntarily assent thereto. This 21st day of May, 1951.

/s/ Kenneth R. McKinney

******

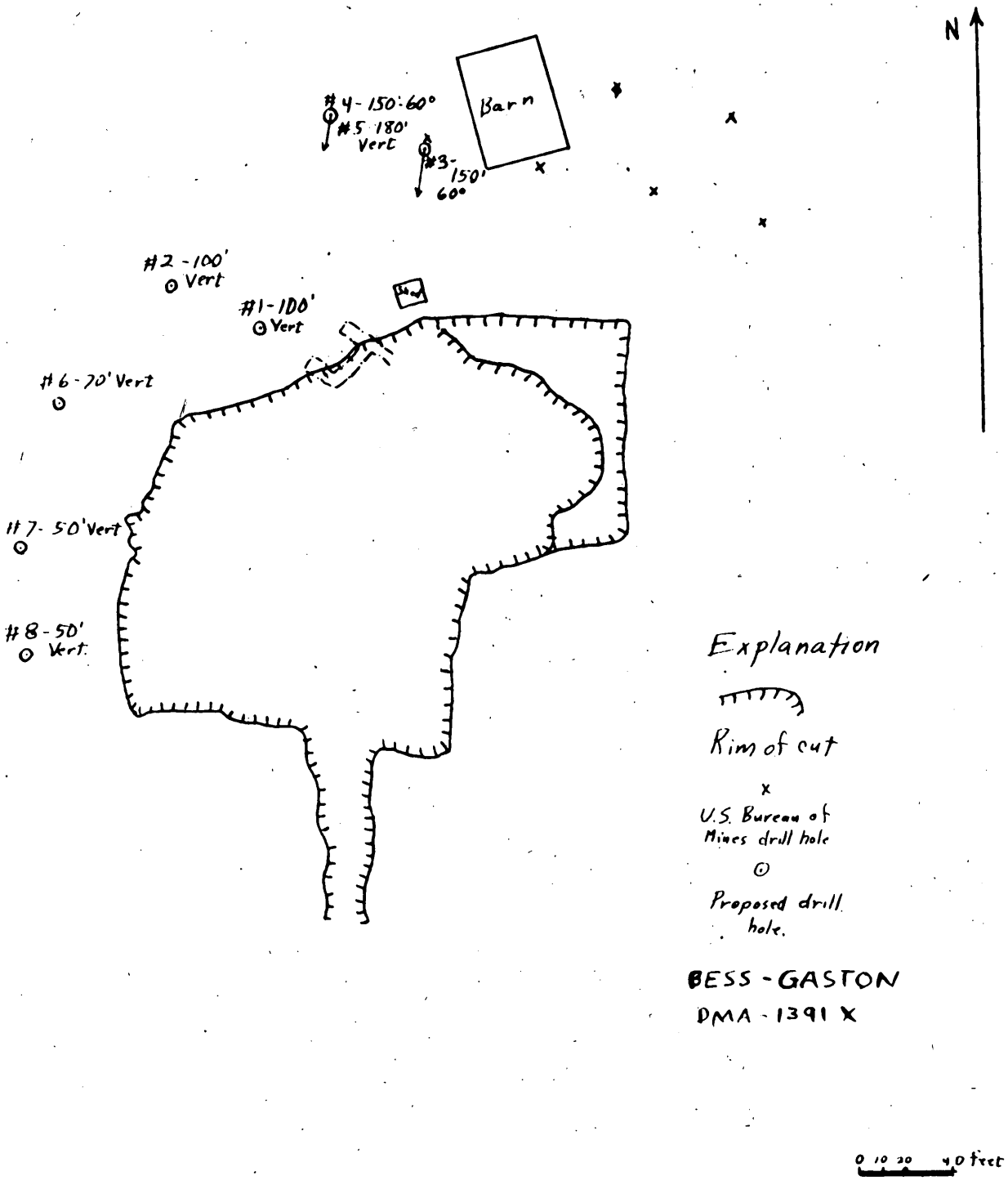
NORTH CAROLINA, _____ COUNTY:

The foregoing certificate of _____ of _____ County is adjudged to be correct and sufficient. Let the instrument, with the certificate be registered.

Witness my hand and official seal, this _____ day of _____, 1951.

_____
Clerk Superior Court

Exhibit B


N
Barn
#4 - 150' 60°
#5 180' Vert
#3 - 150' 60°
#2 - 100' Vert
#1 - 100' Vert
#6 - 70' Vert
#7 - 50' Vert
#8 - 50' Vert.
Explanation
Rim of cut
U.S. Bureau of Mines drill hole
Proposed drill hole.
BESS - GASTON
DMA - 1391 X
0 10 20 40 feet

Martin

Mitchell Bliss.

Special Manuals Department

Branch.

Mr. Thomas, Ma

Mr. Smith, Tenn

N 6000-292-S 1

1965-74

Sept-7-Nov/1957

* 5941 B

~~Lot 1 — 2.21~~

~~B 1.85~~

~~2 — 2.82~~

~~1.92~~

40 x 48

4000

Lattonia, Ga

3 — 2.40

1.95

~~4 — 2.70~~

~~2.25~~

L1 A — 1.75 J Allen Bradford auburn, Ala

B — ~~1.50~~ ~~1.60~~ ~~1.55~~ 1.45

Farris ~~Bedford Co~~ ~~Morton & Shannon, Okla~~

L 2 — ~~A — 2.19~~ J. Bradford

B 1.89

L 3 A

B 2.06 A.A.

A — 2.36

L 4 — B 2.08

Morgan Mfg Co

Dyersville, Iowa

Exhibit "C"

R. I. 4241

APRIL 1948

UNITED STATES
DEPARTMENT OF THE INTERIOR
J. A. KRUG, SECRETARY

BUREAU OF MINES
JAMES BOYD, DIRECTOR

REPORT OF INVESTIGATIONS

NORTH CAROLINA MICA SPOTS

MITCHELL, MACON, GASTON, AND YANCEY COUNTIES

BY

L. A. DAHNERS AND F. K. MCINTOSH

R. I. 4241,
April 1948.

REPORT OF INVESTIGATIONS

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

NORTH CAROLINA MICA SPOTS MITCHELL, MACON, GASTON, AND YANCEY COUNTIES[1]

By L. A. Dahners and F. K. McIntosh[2]

INTRODUCTION

North Carolina has been the leading producer of mica in the United States, accounting for roughly 50 percent of the Nation's output. The producing area is a belt some 100 miles in width lying in the Mountain and Piedmont sections in the western part of the State. Ashe, Watauga, Avery, Mitchell, Yancey, Buncombe, Haywood, Jackson, Macon, Transylvania, Rutherford, Cleveland, and Lincoln Counties supply the bulk of production, while small amounts have been produced in Gaston, Catawba, Burke, Wilkes, Yadkin, Stokes, and Person Counties.

To assist the operators and expedite the production of mica during the recent emergency, the Bureau of Mines drilled four of the more promising mica properties in this State. The results of this exploratory program are recorded in this report.

ACKNOWLEDGMENTS

In its program of investigation of mineral deposits, the Bureau of Mines has as its primary objective the more effective utilization of our mineral resources to the end that they make the greatest possible contribution to national security and economy. It is the policy of the Bureau to publish the facts developed by each project as soon as practicable after its conclusion. The Mining Division, L. B. Moon, chief, conducts preliminary examinations, does the actual investigative work, and prepares the final report. The Metallurgical Division, G. C. Ralston, chief, analyzes samples and makes beneficiation tests.

Acknowledgment is given to the Federal Geological Survey for its assistance in the field and the use of its maps and reports.

PROPERTY AND ACCESS

The J. K. Buchanan mine in Mitchell County is owned by J. K. Buchanan and H. R. McKinney of Clarrisa, N. C. The property comprises 52.5 acres, 23 acres belonging to J. K. Buchanan and 29-1/2 acres to H. R. McKinney.

1/ The Bureau of Mines will welcome reprinting of this paper, provided the following footnote acknowledgment is used: "Reprinted from Bureau of Mines Report of Investigations 4241."

2/ Mining engineers, Bureau of Mines, U. S. Department of the Interior.

To reach the mine, drive east from Bakersville to Clarissa, then take the first turn to the right for 0.9 mile, bearing to the right at the first fork and to the left at the second one. The distance from Bakersville is 3.7 miles (fig. 1).

The Beasley No. 2 mine in Macon County is owned by the Junaluska Masonic Lodge of Franklin, N. C., and is under lease to the Beasley Mining Co., a subsidiary of the Asheville Mica Co.

To reach the mine, drive 6.8 miles north of Franklin on U. S. No. 23 to West's Mill, then east on the Corvee Creek road, bearing to the right at the first fork and to the left at the second, following Caler Creek 4.9 miles from West's Mill; then turn to the left on a dirt road and later to the left on a recently constructed access road to the mine (fig. 2).

The Presnell mine, a tract of 58 acres in Yancey County, is owned by E. L. Briggs of Bromsville, N. C. To reach this mine from Micaville, drive 2 miles east on U. S. 19E to State Highway 104. Follow this road northeast for 1.5 miles to a new access road. This in turn leads in a northwesterly direction for 1.5 miles to the mine (fig. 1).

The Bess mine in Gaston County is owned by M. S. Bess, who lives on the property. The mine is under lease to Hendricks and Kennedy of Charlotte, N. C.

To reach the mine, take North Carolina Highway 274 south from Cherryville for 3.0 miles, then turn southwest on a hard surfaced highway for 0.5 mile. The open pit is less than 100 yards from the highway (fig. 3).

HISTORY AND PRODUCTION

The Buchanan mine was first discovered by J. K. Buchanan between 1936 and 1938. The first large-scale operations were conducted by Will Green and Stokes Young. Other leasors were Zebb Buchanan, Milt Wilson, Lee Wilson, and finally H. R. McKinney. No figures are available on mica production.

The Beasley No. 2 mine is reported to have first been worked in 1890 by the Bowes Brothers of Franklin, N. C., and has been worked intermittently by other operators since then. Sales of 12,188.75 pounds of mica valued at $21,446.73 were reported for the period June 17 to December 11, 1943. Figures on later production have not been collected.

The Presnell mine was first worked for mica about 1872 by Dave Glenn and the Presleys. The early work was mostly shallow surface diggings in the northeast part of the area. Other operators were Gould, Watson, Carl and George Presnell, and Lynn Carpenter. The largest and most continuous operations were carried out by Sam and Ben Blalock between 1917 and 1919. Between 1919 and 1942, there were intermittent operations on a small scale for mica and feldspar. From 1942 to late 1943 the mine was worked by the Meyer & Brown Corp. of New York. E. L. Briggs, the owner, states that the mine has produced $150,000.00 worth of mica.

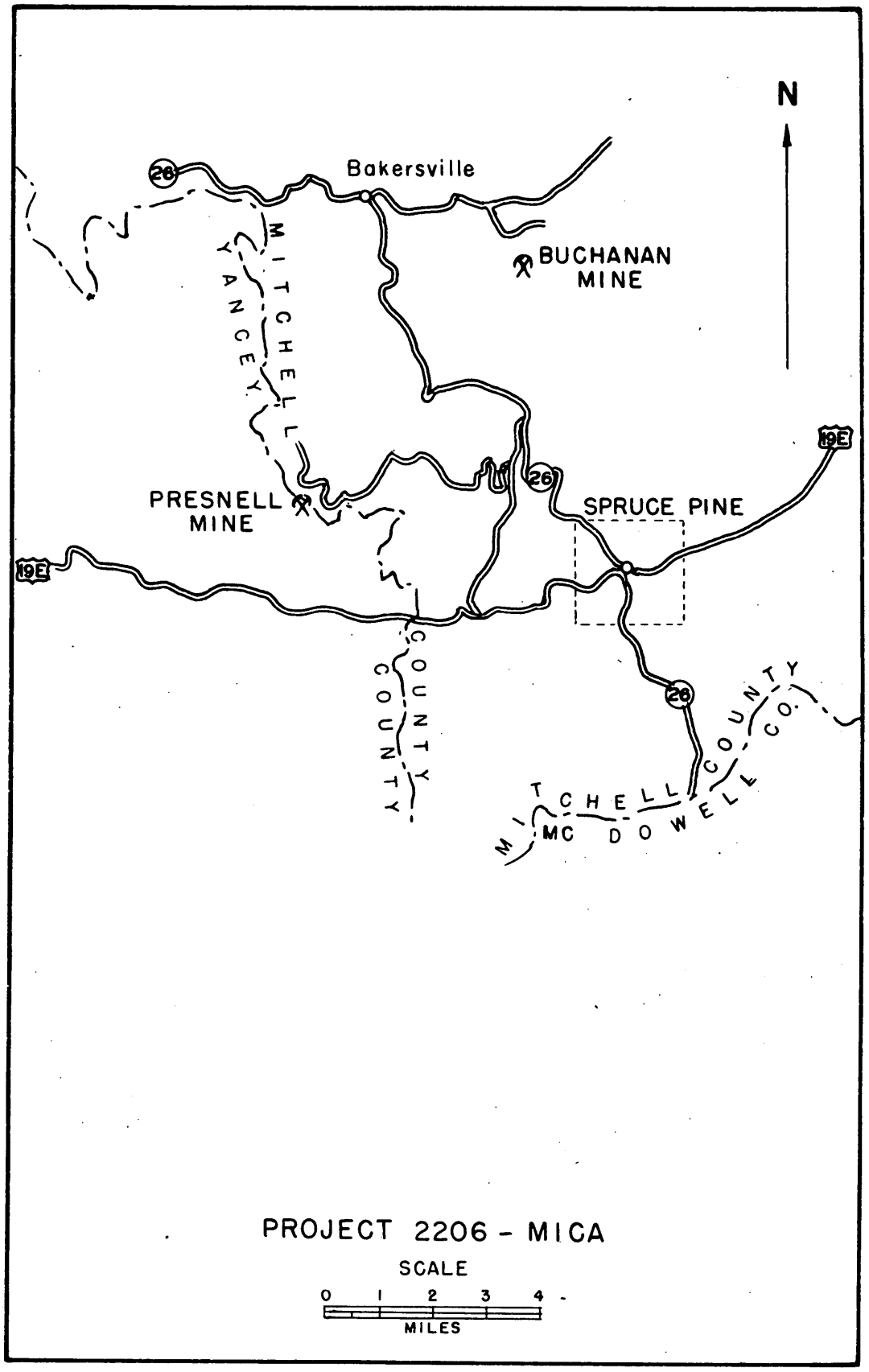


Figure 1. - Location map, Presnell and Buchanan mines, Yancey and Mitchell Counties, N. C.

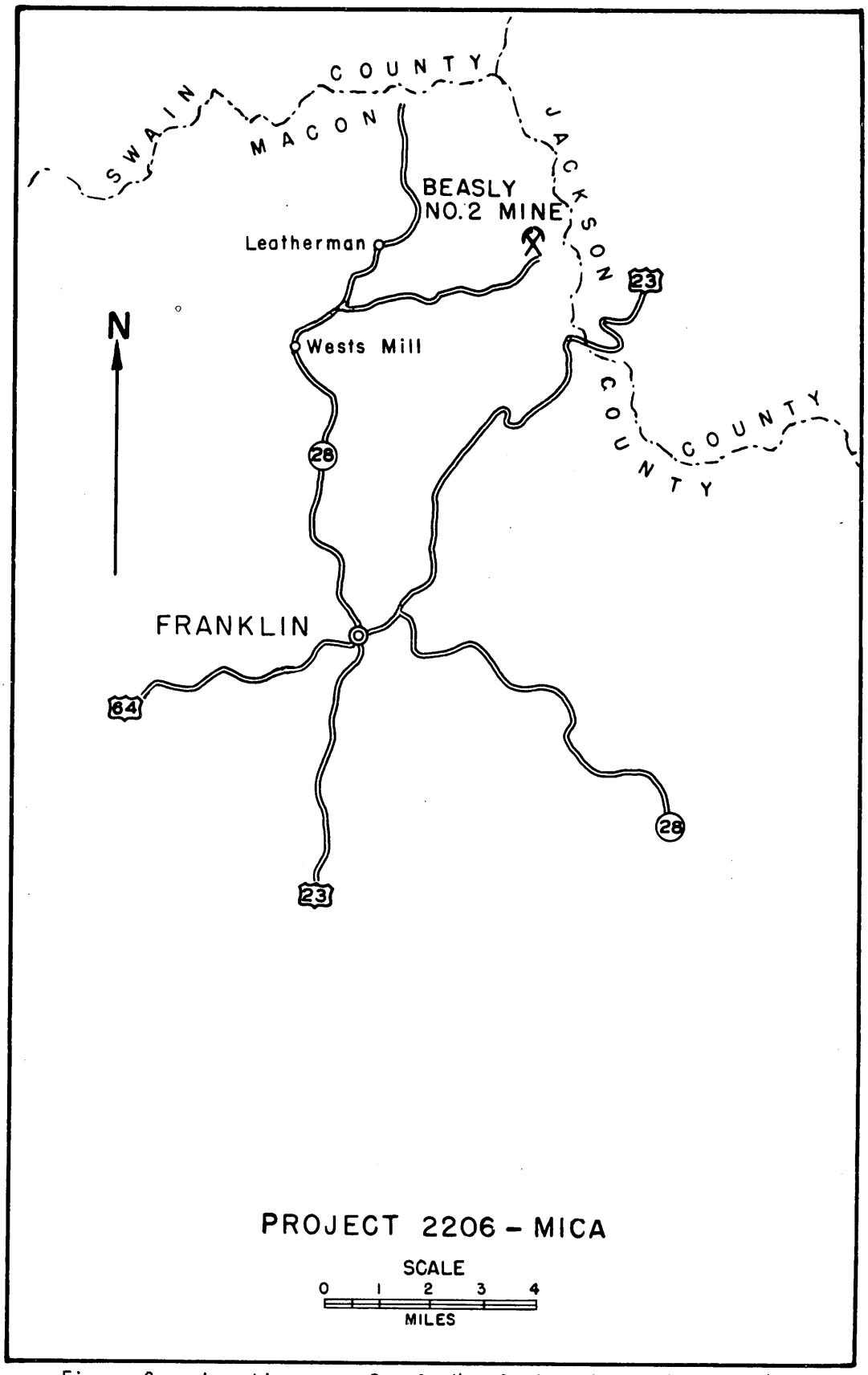


Figure 2. - Location map, Beasly No. 2 mine, Macon County, N. C.

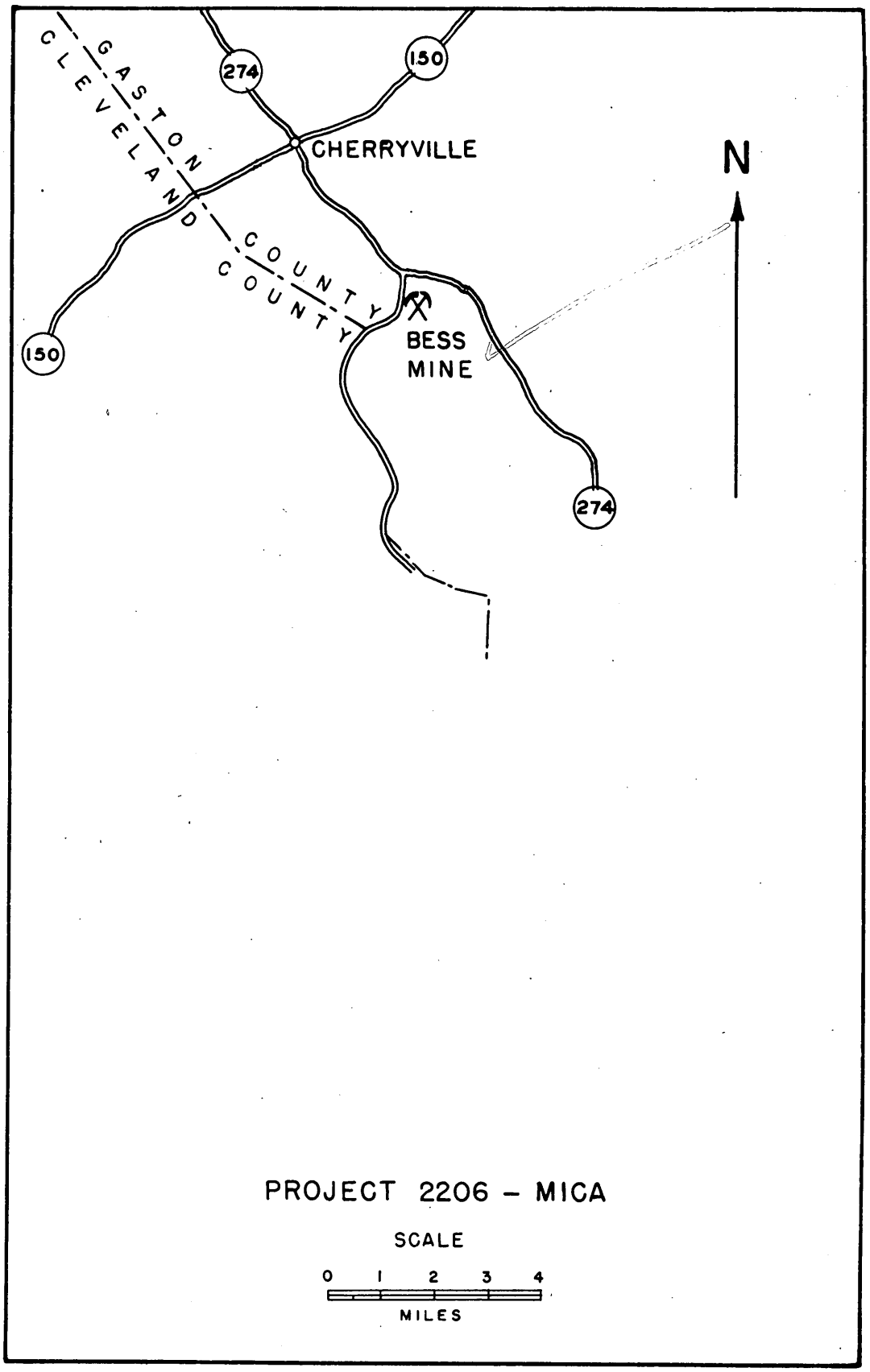


Figure 3. - Location map, Bess mine, Gaston County, N. C.

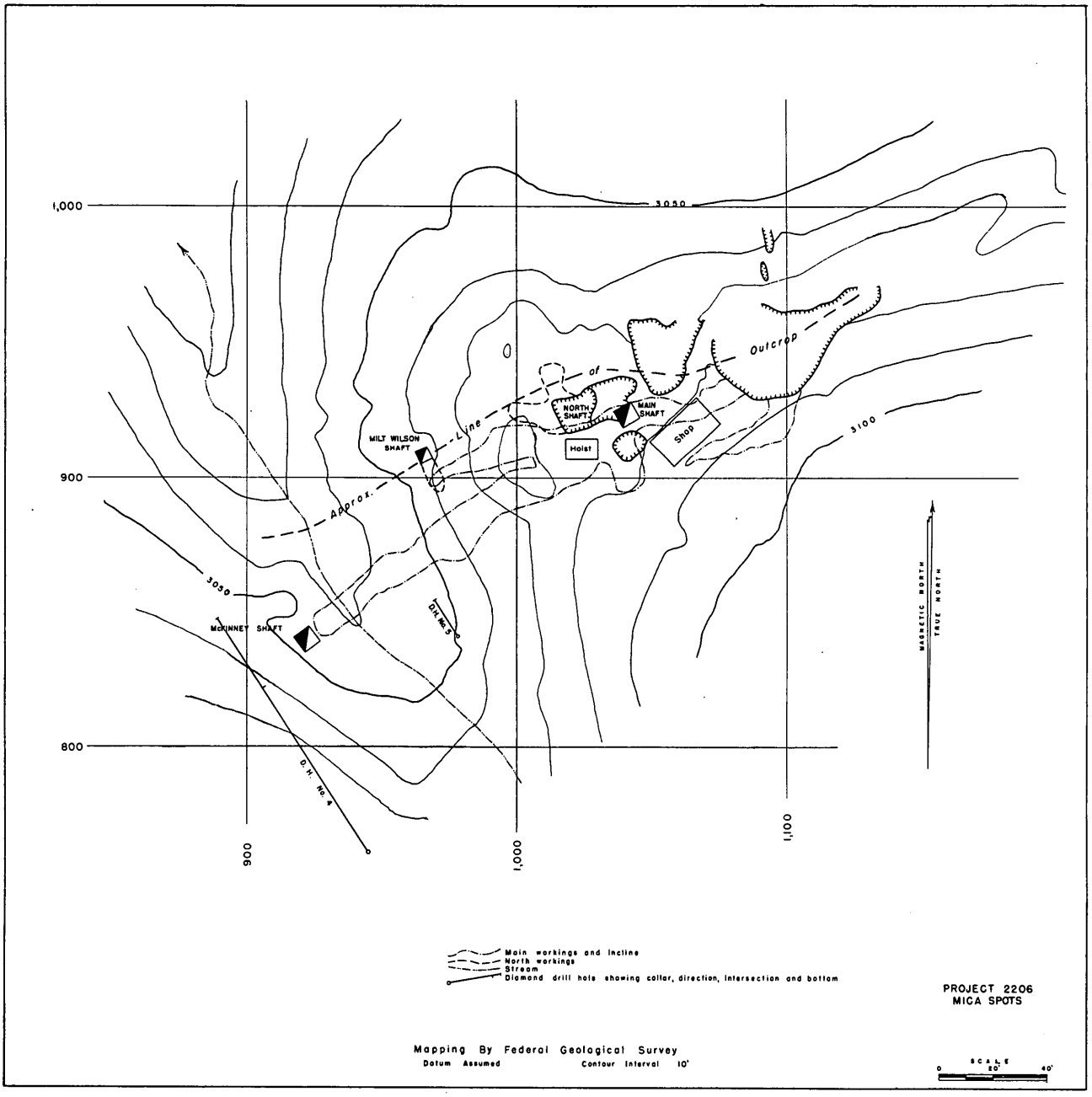


Figure 4. - Plan map, J. K. Buchanan mine, Mitchell County, N. C.

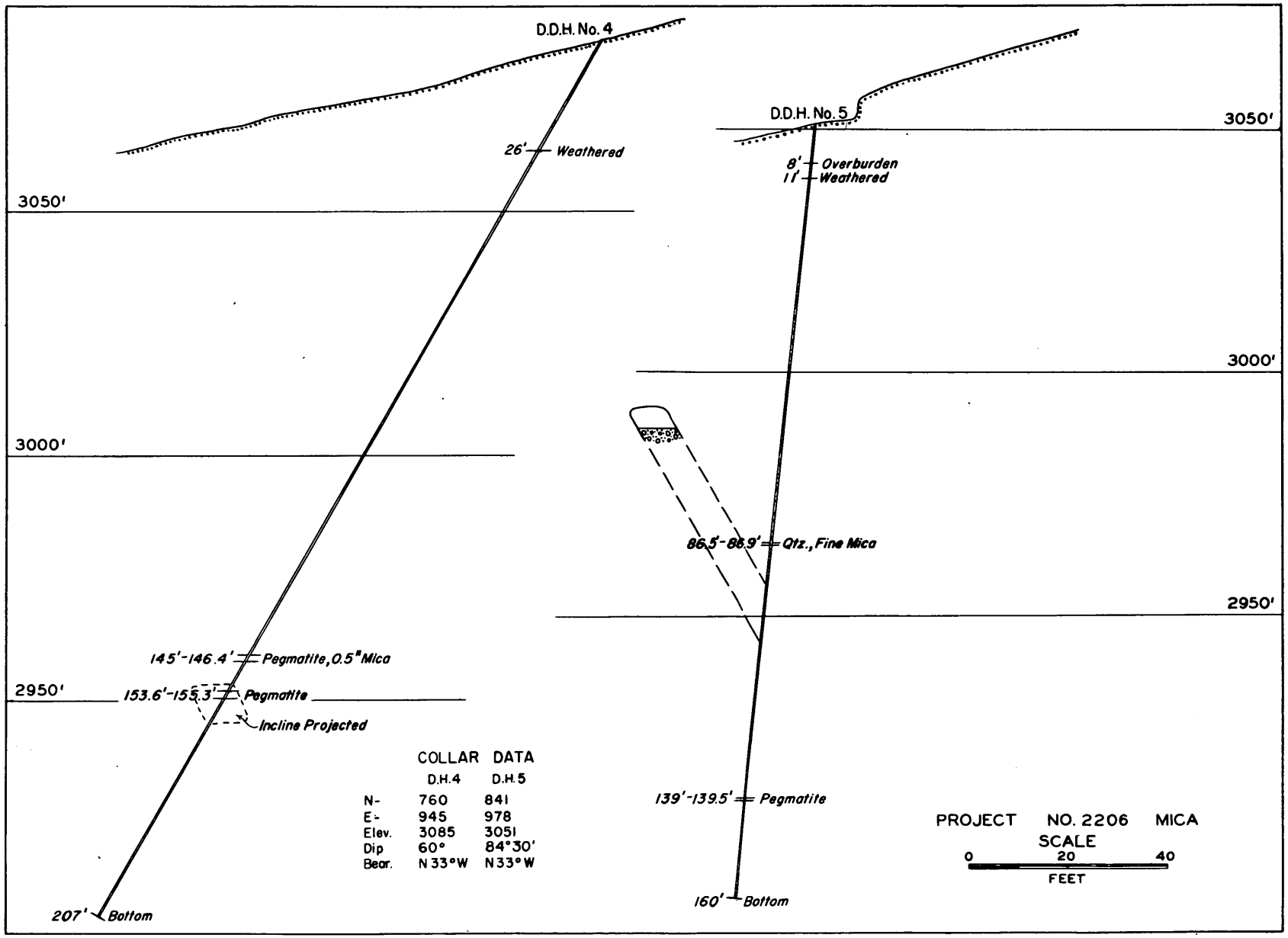


Figure 5. - Sections of drill holes, J. K. Buchanan mine, Mitchell County, N. C.

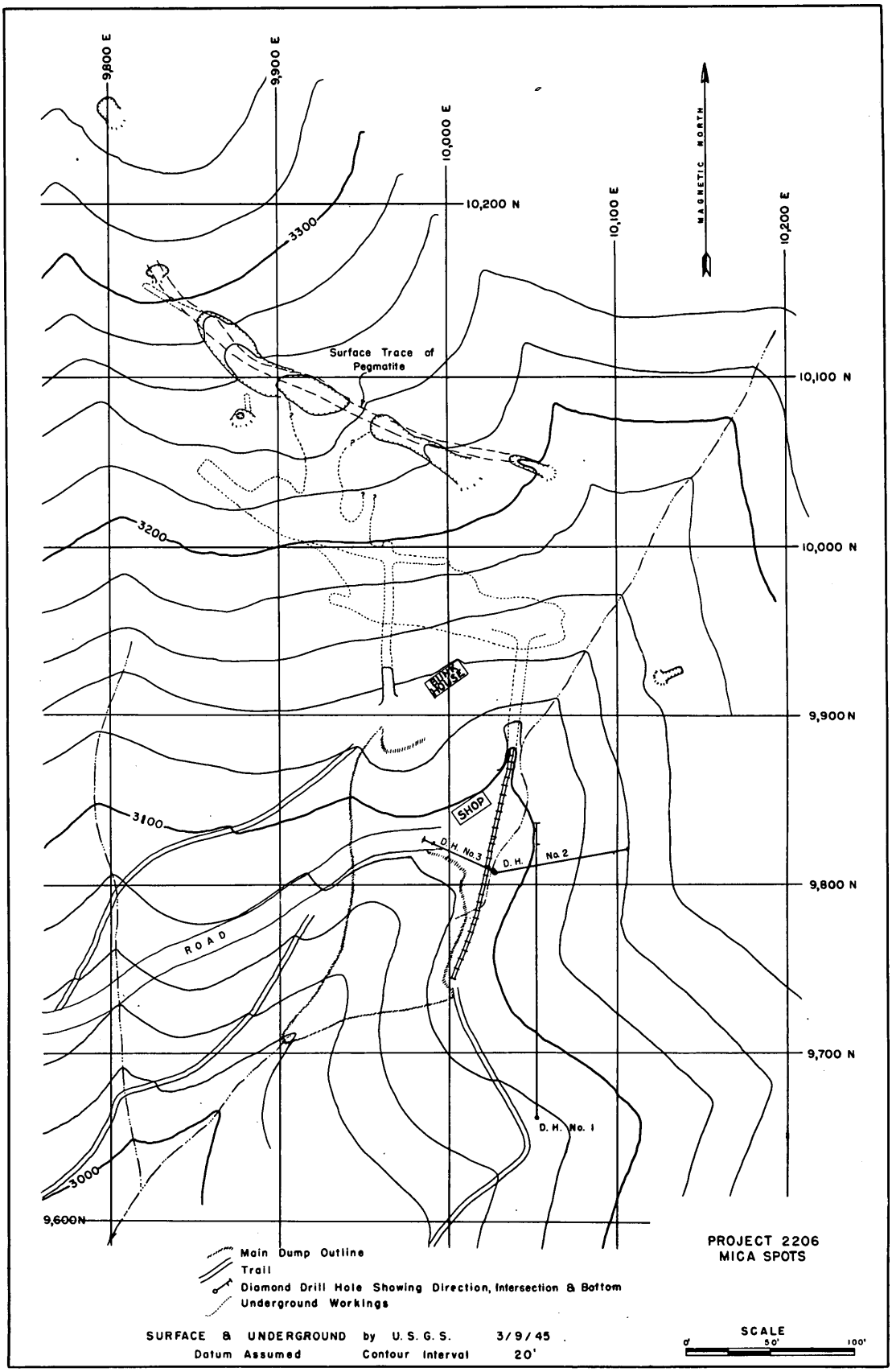


Figure 6. - Plan map, Beasley No. 2 mine, Macon County, N. C.

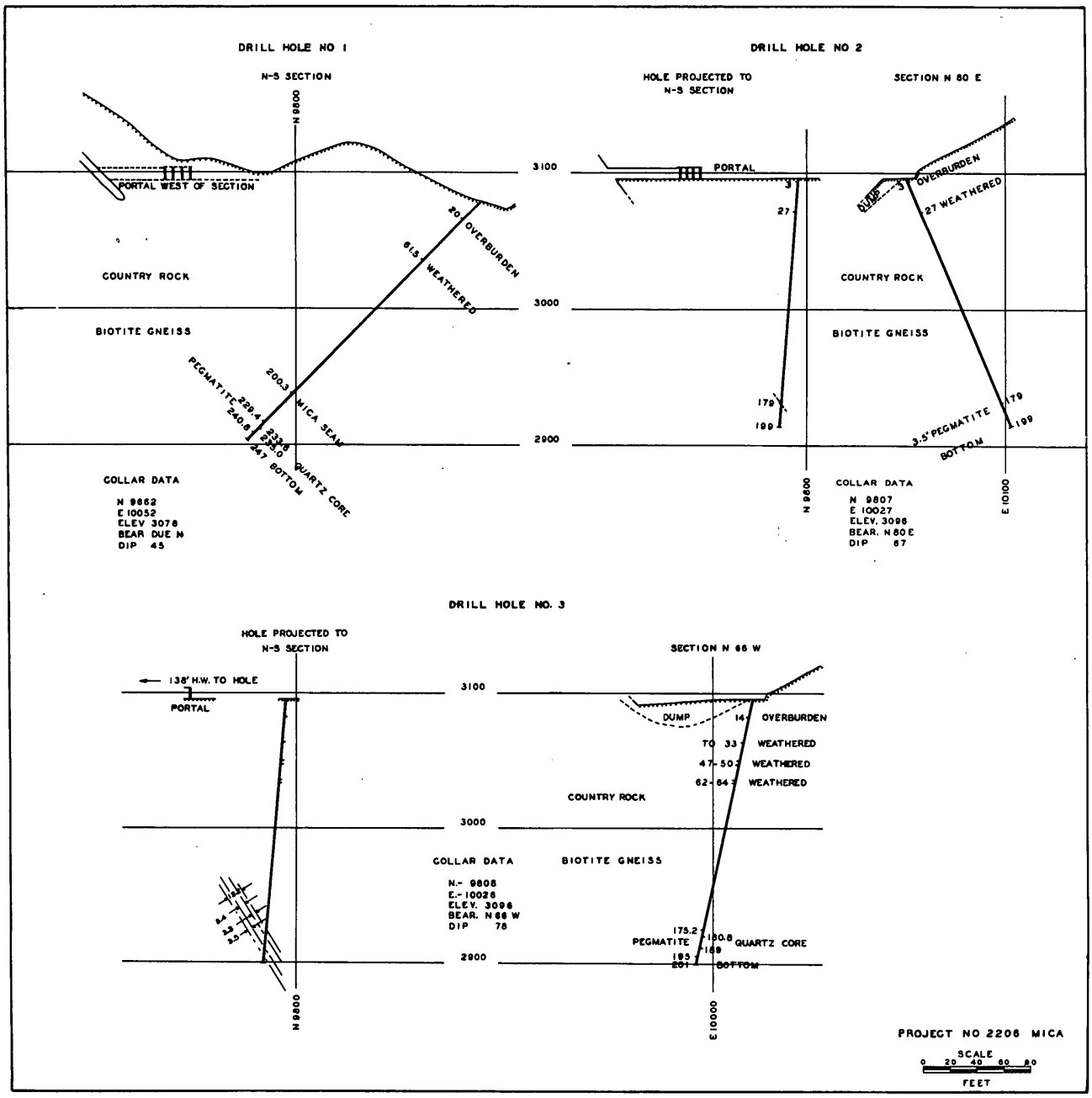


Figure 7. - Drill hole sections, Beasley No. 2 mine, Macon County, N. C.

The Bess mine was first worked about 1880. Underground methods were used down to water level. The maximum depth seldom exceeded 30 feet. No information is available regarding the quantity or value of the mica extracted by the early operators.

The present lessors, Hendricks and Kennedy, began operations in November 1943. They have mined by open-pit methods and have produced between $125,000.00 and $150,000.00 worth of mica. This production during the war years has been accomplished under widely varying prices and specifications.

PHYSICAL FEATURES

The Buchanan mine is at an elevation of 3,100 feet. The terrain is rough but not exceedingly steep. The area is covered with bush and timber, and a small creek crosses the property.

The Beasley No. 2 mine is at an elevation of 3,150 feet, on a steep hillside covered with bush and small timber.

The Presnell mine is at an elevation of 2,600 feet on a steep valley slope south of the South Toe River. The area is covered with brush and small timber.

The Bess mine is at an elevation of 900 feet, and the entire area is one of very low relief. About half of the countryside is under cultivation, the balance being given over to timber.

DESCRIPTION OF DEPOSIT

Buchanan Mine

The country rock is a garnetiferous mica gneiss. The schistosity has an average strike of N. 60° W. and a dip of about 60° to the southeast. The general trend of the pegmatites parallels the schistosity. The pegmatite presents a lens- to pipe-like cross section, which plunges to the west at about 30°. A section of the pipe or lens varies from 7 by 7 feet to 10 by 13 feet.

Beasley No. 2 Mine

The country rock is a banded gneiss with alternating quartz and biotite-rich bands. The average strike is slightly north of east. In the northern part of the property, it dips steeply to the north, but this changes to a steep southern dip as one travels to the south. The pegmatite has much the same general strike as the gneiss but the dip averages somewhat flatter from 45° to 57°. A typical section of the pegmatite from the hanging wall to the foot wall shows 6 to 12 inches of oligoclase, a 3- to 4-foot zone containing strategic mica, a quartz core 3 to 4 feet thick, and a foot-wall zone of oligoclase 1 to 3 feet thick, containing small books of mica.

Presnell Mine

The country rock is a biotite-muscovite gneiss with garnet crystals as much as one-half inch in diameter. Considerable amounts of sulfides are found in both the country rock and in the pegmatite. The gneiss shows quartz schistosity in the vicinity of the dikes. The strike and dip of the country rock varies, but averages about N. 55° E. and 60° to the southeast.

Several parallel pegmatites are exposed in the mine, and at least two new dikes were cut in the drill holes. One of these may be of value. In general, the pegmatites conform with the country rock in strike and dip. The thickness of pegmatites varies abruptly, and the mica shoots are reported to extend directly down dip. Results of drilling indicate that the dikes formerly mined have been worked out.

Bess Mine

The country rock is the Carolina gneiss which in this vicinity has an exceptionally high mica content, mostly ruby muscovite. The gneiss has garnetiferous and pyritic phases, the pyrite concentrations generally occurring in the vicinity of the pegmatites. The pegmatite that has been mined has a general dip of 10° to 31° to the north and northwest and at the pit face takes the form of a gentle trough plunging to the north. The thickness of the dike varies from 1 to 25 feet. The dip and strike of the gneiss are not easily apparent but probably are about the same as that of the pegmatite. Several short drifts, driven north and westward from the pit face, have encountered a disturbed zone with small displacements along minor faults and slips.

THE ORE

Buchanan Mine3/

The following minerals of the pegmatite are listed in decreasing order of their abundance: Plagioclase, microcline, quartz, muscovite, sericite, garnet, apatite, and kyanite. The microcline is white and is difficult to distinguish from the plagioclase. The quartz is gray and occurs throughout the pegmatite, generally as small particles but with a maximum size of about 1 foot. Sericite occurs in light-green and white varieties and is so abundant that locally it imparts to the pegmatite a streaked appearance. ..... The sericite scales lie in thin layers which are oriented parallel to the pegmatite contacts. Garnet is found in small crystals with a maximum size of about 1/2 inch. ..... Apatite is subhedral, occurs in small masses and is intensely cracked. Blue kyanite was found only on the dump.

The mica is clear red rum in color, contains almost no staining, and only average amounts of ruling and cracks. Some books contain quartz intergrowths or "A" structure with slight color zoning. Blocks as much as 10 inches across were seen, but not much mica was exposed in any of the workings.

3/ Wolfe, James R., Jr., geologist, Federal Geological Survey.

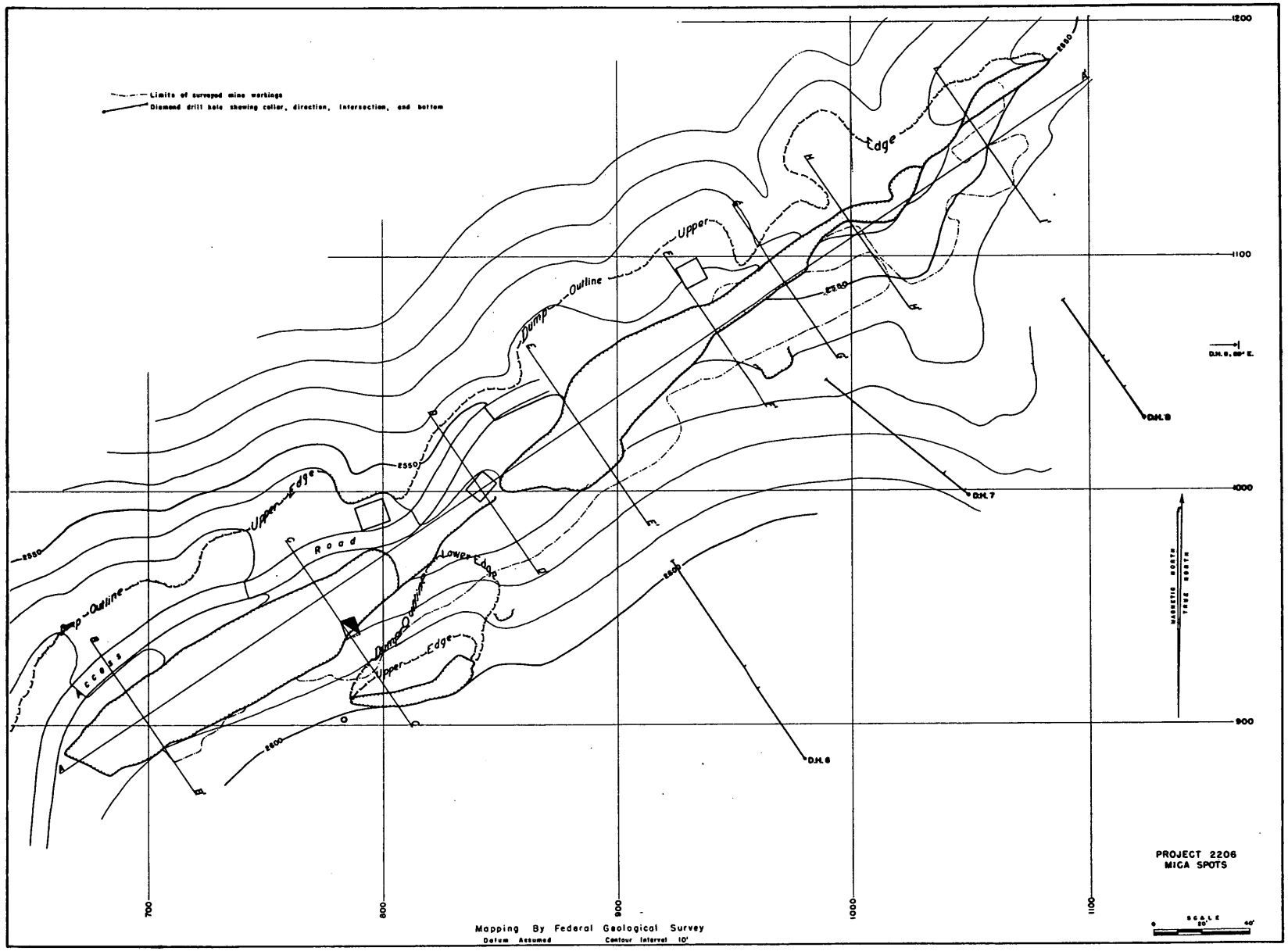


Figure 8. - Plan map, Presnell mine, Yancey County, N. C.

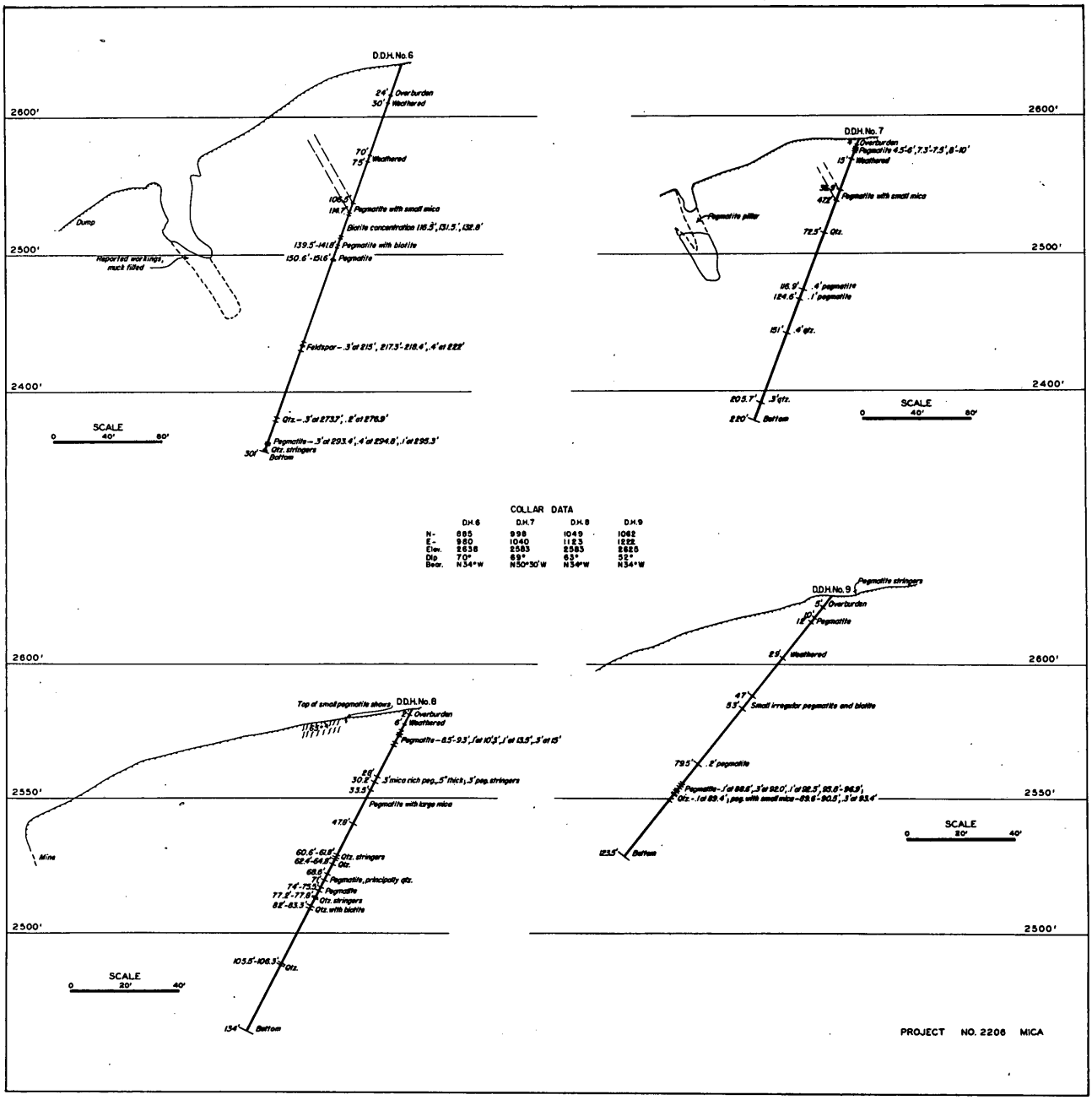


Figure 9. - Sections of drill holes, Presnell mine, Yancey County, N. C.

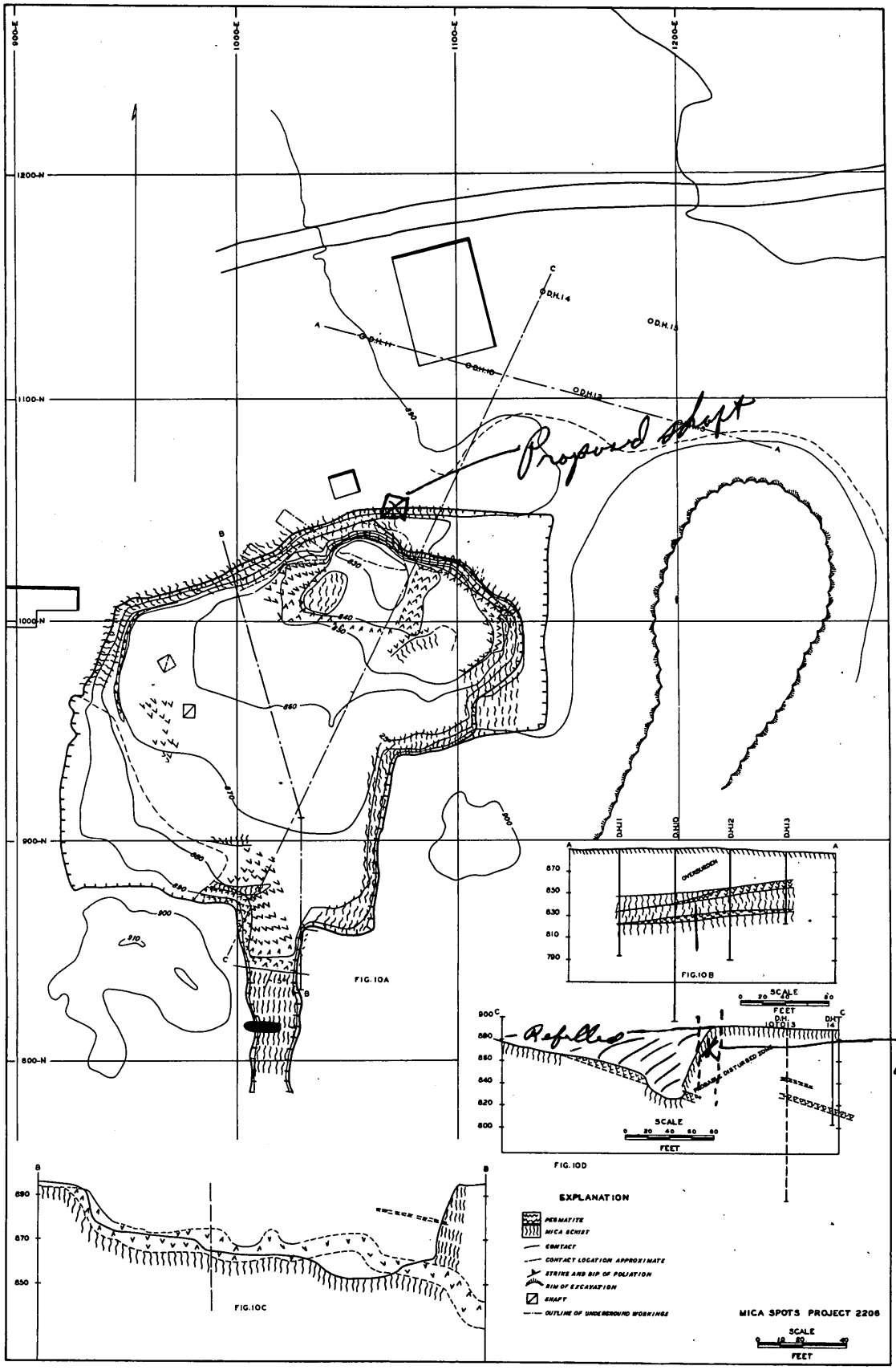


Figure 10. - Plan and sections, Bess mica mine, Gaston County, N. C.

The mica is reported to be concentrated in shoots which plunge southwest about 30 degrees. It is also scattered sparingly throughout the entire pegmatite body.

Beasley No. 2 Mine

The pegmatite dike varies in thickness from 5 to 12 feet. In the ore shoot it has a quartz core with other minerals as described in the typical section under Description of Deposit. Most of the mica mined to date has come from a zone 3 to 4 feet in thickness, or the hanging wall. Books of mica 2 feet in diameter and 3 inches thick have been found. The mica has a ruby color, and the books are firm. Ruling, warping, and cracks are the principal defects. "A" structure and mineral inclusions are subordinate. There may be spots in the mine where good mica is to be found in the foot-wall portion of the dike.

Presnell Mine

The ore occurs in three interconnecting pegmatites called Main, Foot-Wall, and Hanging Wall. Muscovite has been obtained throughout the Main and Foot-Wall dikes. Very little mica has been mined from the Hanging-Wall pegmatite. It has, however, been mined for potash feldspar in recent years. Besides muscovite and feldspar, other minerals occurring in the pegmatites are pyrite, apatite, biotite, and quartz.

Bess Mine

The pegmatite is made up of mica, quartz, and feldspar, with minor quantities of pyrite, the proportions of quartz and feldspar varying between wide limits. The mica content of the dike has been exceptionally high at all points where it has been observed, but the larger commercial mica is largely concentrated along the contacts. The pegmatite as a whole has shown an exceptionally high and consistent mica content. The mica is of unusually good grade; very little green or black mica is to be noted. In the shallower portions of the mine considerable mica was discarded owing to mud stains, but this decreases with depth.

MINE WORKINGS AND PRESENT PLANT INSTALLATION

Buchanan Mine

The mine workings consist of four open-cuts and four shafts, now caved and flooded. The surface plant is made up of a shop and a hoisting shed. As to machinery, there is a compressor and two small hoists powered with automobile motors, together with some hand tools.

Beasley No. 2 Mine

There are two shafts, now caved, three adits, and eight surface cuts. The lower adit was driven in 1943, and an underhand stope is now being worked below it. With the exception of the lower adit, the works are thought to have

been completed about 1906. Little mining has been done on the foot-wall portion of the pegmatite, but the hanging-wall mica bearing zone has been mined over a strike length of 250 feet and an inclined depth of about the same.

The surface plant included a tool shed, mica house, and two cabins. Machinery included two K-105 Ingersoll-Rand compressors, jack hammers, air pumps, cars, track, and small tools.

Presnell Mine

The mine has been worked by two open-cuts. The north pit is 500 feet long and is said to reach a maximum depth of 100 feet. The southern pit is much smaller. There are two small sheds in bad repair on the property and no machinery.

Bess Mine

The mine workings consist of an open pit representing some 28,000 cubic yards of excavation and less than 100 feet of adits. The equipment consists of a power shovel, a Diesel-driven air compressor, a small gasoline-driven compressor, a gasoline-driven generator, a small electric pump, a jack hammer, small tools, trucks, etc. The surface plant is made up of five small frame buildings - a mica-drying house, an office, a rifting house, and two sheds.

EXPLORATION BY BUREAU OF MINES

Buchanan Mine

Two holes were drilled on this property. Hole No. 4 was drilled 206 feet deep, bearing N. 33° W., with a 60° dip, to prospect for a western extension of the pegmatite. A stringer made up of quartz, plagioclase, muscovite, and sericite, containing mica books about 1 inch in diameter, was cut from 145.0 to 146.3 feet. Another stringer with similar minerals was cut from 153.4 to 153.5 feet.

Hole 5 was drilled to a depth of 160 feet, bearing N. 33° W. and dipping 84° 30, to prospect for an extension of the dike down dip. A 6-inch stringer was cut between 139 and 139.5 feet.

Beasley No. 2 Mine

Three holes with a total length of 647 feet were drilled on this property. Core recovery in the dikes averaged approximately 98 percent. Hole 1, 247 feet deep, cored several mica books, two of good ruby grade.

Hole 2, 199 feet deep, cut a body of mixed pegmatite and gneiss in a ratio of 1:1 between 140.4 to 157.5 feet. No mica books of interest were cut.

Hole 3, 201 feet deep, cut pegmatite between 175.1 and 194.3 feet. Some muscovite, up to 1-1/2 inches in size, was cored. All holes drilled proved that the pegmatite continues below the present working level.

Presnell Mine

Four holes - Nos. 6, 7, 8, and 9 - were drilled on the property for a total of 785.5 feet. Holes 6 and 7 were drilled to cut under the old workings. Neither cut pegmatite of commercial width or value at the expected location. They did cut a previously unmined pegmatite just under the overburden and parallel to those in the old workings. Holes 8 and 9 were then drilled to prospect the newly discovered pegmatite to the east of holes 6 and 7. No. 8 cut about 14 feet of pegmatite having a zone of 7 feet which cored five books of strategic mica as much as 3 inches in diameter. Hole 9 cut about 6 feet of pegmatite which contained no books of mica larger than one inch. While the Bureau's work on the Presnell did not discover any workable pegmatite under the old workings, it did discover strategic mica in an unmined pegmatite parallel to the main one.

Bess Mine

Six holes - Nos. 10 to 15 - for a depth of 583.5 feet were drilled on the Bess mine. Drilling showed that the dip of the pegmatite changes near the bottom of the open-cut but persists to the north and northeast. Hole 11, the one farthest to the northwest, failed to cut pegmatite of workable thickness. The other holes cut pegmatites that, though considerably thinner than the dike worked in the pit, may still prove workable. No books of sheet mica were cut in any of the holes, although the small mica content was consistently high.

APPENDIX

Drill-Hole Log[4]

Core-drill hole: No. 1 Collar elevation: 3,078 ft.

Location: N. 9662, E. 10,052 Beasley mine Angle of hole: 45°

Depth, feet	Description
0-20	No core, decomposed mica gneiss.
20-61.6	Weathered biotite gneiss.
61.6-66	Unweathered biotite gneiss composed of biotite, garnet, quartz, and feldspar. Highly injected by stringers of pegmatite as much as 5 inches thick. Pegmatite composed of quartz, feldspar, small muscovite, and pyrite. Gneiss also contains metacrysts of feldspar.
66-86.9	Biotite gneiss, well-foliated, foliation dips 45°, relatively little injected material. Pegmatite stringer, 78.8-79.1.
86.9-87.3	Quartzose pegmatite, quartz, biotite, pyrite.
87.3-111.1	Biotite gneiss, foliation somewhat contorted, foliation dips about 55°, relatively little injected material.
111.1-111.4	Quartzose, pegmatite, quartz, biotite.
111.4-112.5	Biotite gneiss.
112.5-117.5	Injection zone of small pegmatite stringers, medium-grained intergrowth of quartz, feldspar, biotite, and light-green sericite. One thin crosscutting veinlet of sericite parallel to core length.

4/ Logged by E. Wm. Heinrich, Federal Geological Survey.

Core-drill hole: No. 1 (Continued)

Depth, feet	Description
117.5-127.3	Biotite gneiss; foliation dips about 50°.
127.3-131.7	Biotite gneiss, highly injected, pegmatite stringers as much as 2 inches thick.
131.7-143	Biotite gneiss, serpentine veinlets, 133-136.
143-144.8	Biotite gneiss, strongly injected.
144.8-152	Biotite gneiss, foliation dips as much as 45°.
152-152.7	Pegmatite, fine-grained, quartz, sericite, feldspar aggregate.
152.7-162.5	Biotite gneiss, foliation dips as much as 45°.
162.5-166.5	Biotite gneiss, strongly injected.
166.5-166.7	Quartzose pegmatite, quartz, biotite, pyrite.
166.7-174.5	Biotite gneiss, several thin pegmatite stringers.
174.5-174.8	Quartzose pegmatite, quartz, biotite, pyrite.
174.8-188.2	Biotite gneiss.
188.2-188.4	Quartzose pegmatite, quartz, biotite, pyrite.
188.4-221.3	Biotite gneiss, foliation contorted, dips 0°-65°, relatively minor amounts of injected pegmatite.
221.3-229.0	Biotite gneiss, very highly injected and granitized, foliation indistinct, some shear planes with pyrite.
229.0-240.7	Pegmatite.
229.0-229.1	Fine-grained border zone, composed of biotite, quartz, feldspar.
229.1-232.0	Medium-grained quartz, feldspar, muscovite; mica as much as 1 inch in diameter.
232.0-233.7	Medium-grained plagioclase, much of it stained green with pyrite; abundant 1/4-inch mica flakes.
233.7-235.2	Core of massive white quartz.
235.2-236.6	Green-stained plagioclase, with abundant pyrrhotite and some 1/2-inch mica flakes.
236.6-237.9	Medium-grained plagioclase-quartz rock.
237.9-238.7	Zone rich in coarsely crystalline mica, books as large as 6-1/2 x 2 inches.
238.7-239.0	Granitized gneiss inclusion.
239.0-239.8	Medium-grained plagioclase-quartz rock.
239.8-240.6	Zone rich in coarse biotite, rest plagioclase and a little muscovite.
240.6-240.7	Fine-grained border zone composed of quartz, feldspar, and little muscovite.
240.7-247.0	Biotite gneiss, injected by pegmatitic material.

Drill-Hole Log[5]

Core-drill hole: No. 2 Collar elevation: 3,096 ft.

Location: N. 9807, E. 10,027 Beasley mine Angle of hole: 67°

Depth, feet	Description
0-15	No core, decomposed mica gneiss.
15-19.5	Weathered mica gneiss.
19.5-27.8	Biotite-garnet gneiss, foliation parallel to hole.

5/ Logged by E. Wm. Heinrich, Federal Geological Survey.

Core-drill hole: No. 2 (Continued)

Depth, feet	Description
27.8-28.8	Quartzose pegmatite, a little feldspar, pyrrhotite, and sericite.
28.8-34.3	Biotite-garnet gneiss, foliation nearly parallel to hole.
34.3-35.1	Pegmatite, medium- to fine-grained; plagioclase (some green) - quartz-biotite, with pyrite and sericite; many small wisps of reworked gneiss.
35.1-36.4	Biotite gneiss, foliation dips 75°.
36.4-39.0	Fine-grained, granitic gneiss, foliation poorly defined; contains more quartz and feldspar and less biotite than the other phase.
39.0-46.5	Biotite gneiss, foliation dips 60°.
46.5-47.5	Fine-grained granitic gneiss.
47.5-59.0	Biotite-gneiss, foliation dips 50°-60°; a few thin bands of fine-grained granitic gneiss.
59.0-61	Fine-grained granitic gneiss.
61-98.5	Biotite gneiss, foliation dips 45°-60°, seams with flattened, radial pyrite disks; a few thin bands of fine-grained granitic gneiss.
98.5-106.5	Biotite gneiss, much injected pegmatitic material; at 106.5 is a 0.2-ft. band very rich in coarse biotite.
106.5-109.8	Biotite gneiss.
109.8-110.3	Pegmatite, chiefly green plagioclase, with quartz, pyrite, and biotite.
110.3-112.7	Biotite gneiss, foliation dips 50°.
112.7-115.7	Coarse biotite gneiss, contains 40-75% coarse biotite, foliation crinkly.
115.7-118.8	Biotite gneiss, contains much fine-grained granitic gneiss in thin bands.
118.8-124.7	Biotite gneiss.
124.7-127.1	Biotite gneiss, much injected pegmatitic material in stringers as thick as 0.5 foot.
127.1-128.8	Pegmatite, fine-grained quartz and feldspar.
128.8-140.4	Fine-grained granitic gneiss, contains disseminated pyrite and shear planes coated by serpentine and pyrite.
140.4-157.5	Mixed gneiss and pegmatite, about 1:1 ratio.
157.5-176.2	Biotite gneiss, well-foliated, some injected material from 171.2-174.2; pyrite seams at 163.0
176.2-177.0	Pegmatite, medium-grained plagioclase, quartz, garnet, pyrite, and sericite.
177.0-199	Biotite gneiss; 2-inch pegmatite at 185.6.

Drill-Hole Log[6/]

Core-drill hole: No. 3 Collar elevation: 3,096 ft.

Location: N. 9808, E. 10,026 Beasley mine Angle of hole: 78°

Depth, feet	Description
0-14	No core, decomposed mica gneiss.
14-26	Weathered mica gneiss.
26-42	Biotite gneiss, coarsely foliated, foliation dips 75°, much injected pegmatitic material.

6/ Logged by E. Wm. Heinrich, Federal Geological Survey.

Core-drill hole: No. 3 (Continued)

Depth, feet	Description
42-43	Fine-grained granitic gneiss.
43-45.8	Biotite gneiss, foliation dips 50°.
45.8-46.1	Pegmatite, feldspar, quartz, pyrite, and sericite.
46.1-69.7	Biotite gneiss, coarsely banded, much injected pegmatite in stringers as thick as 1 inch.
69.7-80.0	Biotite gneiss, foliation dips 50°.
80.0-86.5	Coarse biotite gneiss, crinkly foliation, biotite coarse and abundant.
86.5-89.0	Biotite gneiss, foliation dips 70°.
89.0-98.0	Biotite gneiss, much injected pegmatite.
98.0-109.5	Fine-grained granitic gneiss and biotite gneiss.
109.5-120.2	Biotite gneiss, much injected pegmatite.
120.2-125.4	Fine-grained granitic gneiss bands in biotite gneiss.
125.4-130.2	Biotite gneiss.
130.2-148.5	Biotite gneiss with much fine-grained granitic gneiss bands.
148.5-160	Chiefly fine-grained granitic gneiss.
160-163.7	Biotite gneiss; coarse, crinkly, biotite-rich bands.
163.7-165.5	Granitic, fine-grained gneiss.
165.5-168.5	Biotite-rich gneiss; coarse, crinkly biotite bands.
168.5-175.1	Biotite gneiss.
175.1-194.3	Pegmatite.
175.1-175.3	Border zone of fine-grained quartz, feldspar, and muscovite.
175.3-180.7	Medium-grained quartz-plagioclase-muscovite. Much less than 1-1/2 inches. Some green sericite.
180.7-189.3	Core of massive white quartz.
189.3-189.7	Medium-grained quartz-feldspar-small muscovite, some pyrite.
189.7-192.7	Chiefly coarse-grained white plagioclase.
192.7-194.1	Medium-grained quartz-plagioclase-muscovite; mica as large as 1 inch.
194.1-194.3	Fine-grained border zone of quartz, feldspar, muscovite.
194.3-201.0	Biotite gneiss, much pegmatitic material injected.

Drill-Hole Log[7]

Core-drill hole: No. 4 Collar elevation: 3,085 ft.

Location: N. 761, E. 945 Buchanan mine Angle of hole: 60°

Depth, feet	Description
0-9.0	No core.
9.0-26.0	Weathered mica gneiss.
26.0-145.0	Mica gneiss, containing more muscovite than biotite in general but part high in greenish biotite or chlorite. Garnet in crystals up to 0.3 inch fairly common. Pyrite stringers common. Mostly coarse-grained but some fairly fine. Foliation mostly irregular and wavy but part even; in most places dips 45°-60° to hole. Pegmatite stringers common.

7/ Logged by John M. Parker III, Federal Geological Survey.

Core-drill hole: No 4 (Continued)

Depth, feet	Description
145.0-146.3	Pegmatite, composed of quartz, plagioclase, muscovite, and sericite and containing mica books nearly 1 inch in diameter. Contact fairly sharp but irregular.
146.3-153.5	Mica gneiss.
153.5-155.4	Pegmatite, same as above except containing much garnet and less muscovite. Contacts sharp.
155.4-207.0	Mica gneiss.

Drill-Hole Log

Core-drill hole: No. 5 Collar elevation: 3,051 ft.

Location: N. 841, E. 978 Buchanan mine Angle of hole: 84-1/2°

Depth, feet	Description
0-8	Overburden.
8-20	Weathered.
20-76	Mica gneiss.
76-87	Pegmatite and quartz from 86.5 to 86.9.
87-133	Mica gneiss.
133-143	Pegmatite 133.0 to 139.5
143-160	Mica gneiss.

Drill-Hole Log[8]

Core-drill hole: No. 6 Collar elevation: 2,638 ft.

Location: N. 885, E. 980 Presnell mine Angle of hole: 70°

Depth, feet	Description
0.0-24.0	No core.
24.0-30.0	Weathered gneiss.
30.0-40.0	Hornblende gneiss, with a little biotite and sulfides. Few granite stringers. Several slickensides. Foliation dips 5°-50° to hole.
40.0-44.5	Biotite gneiss.
44.5-47.3	Injection gneiss, with much garnet. Foliation contorted.
47.3-50.7	Biotite gneiss.
50.7-51.1	Fine-grained pegmatite stringer.
51.1-51.8	Mica gneiss.
51.8-52.0	Fine-grained pegmatite stringer.
52.0-55.8	Mica gneiss.
55.8-57.1	Injection gneiss, with garnet.
57.1-59.8	Mica gneiss.
59.8-60.0	Pegmatite stringer.
60.0-72.3	Mica gneiss.
72.3-72.5	Pegmatite stringer.

8/ Logged by John M. Parker III, Federal Geological Survey.

Core-drill hole: No. 6 (Continued)

Depth, feet	Description
72.5-74.9	Decomposed mica gneiss.
74.9-78.4	Mica gneiss.
78.4-78.5	Quartz vein.
78.5-80.4	Mica gneiss.
80.4-80.9	Quartz vein.
80.9-95.2	Mica gneiss with garnet.
95.2-106.5	Mica gneiss.
106.5-114.6	Pegmatite, composed of plagioclase, quartz, garnet, and abundant small brown and green muscovite. Hanging wall dips 55° and foot wall 50°. Inclusions 3 inches thick at 113 feet.
114.6-115.2	Mica gneiss.
115.2-115.5	Pegmatite stringer.
115.5-116.1	Mica gneiss.
116.1-117.0	Biotite schist.
117.0-126.2	Mica gneiss.
126.2-126.7	Pegmatite, with fine biotite.
126.7-127.2	Mica gneiss.
127.2-128.4	Biotite schist.
128.4-129.2	Mica gneiss.
129.2-129.8	Biotite schist.
129.8-132.8	Mica gneiss.
132.8-134.0	Biotite schist.
134.0-139.0	Mica gneiss.
139.0-141.6	Pegmatite with biotite schist wisps.
141.6-142.6	Mica gneiss.
142.6-143.0	Pegmatite stringer.
143.0-149.2	Mica gneiss.
149.2-151.6	Pegmatite.
151.6-178.4	Mica gneiss with few thin biotite streaks.
178.4-180.0	Biotite schist.
180.0-182.2	Mica gneiss.
182.2-182.7	Biotite schist.
182.7-194.0	Mica gneiss.
194.0-194.6	Biotite schist.
194.6-200.4	Mica gneiss.
200.4-201.4	Biotite schist.
201.4-214.8	Mica gneiss.
214.8-215.3	Pegmatite stringer.
215.3-217.4	Mica gneiss.
217.4-218.7	Pegmatite stringer.
218.7-222.2	Mica gneiss.
222.2-222.7	Pegmatite stringer.
222.7-273.6	Mica gneiss.
273.6-273.8	Pegmatite stringer.
273.8-293.2	Mica gneiss.
293.2-293.6	Pegmatite stringer.
293.6-295.6	Mica gneiss.

Core-drill hole: No. 6 (Continued)

Depth, feet	Description
295.6-296.1	Pegmatite stringer.
296.1-299.4	Mica gneiss.
299.4-299.7	Pegmatite stringer.
299.7-301.0	Mica gneiss.

Drill-Hole Log[9]

Core-drill hole: No. 7 Collar elevation: 2,583 ft.

Location: N. 998, E. 1049 Presnell mine Angle of hole: 69°

Depth, feet	Description
0.0-4.5	No core.
4.5-6.6	Pegmatite, fairly fine-grained, containing scrap mica.
6.6-7.4	Mica gneiss.
7.4-7.7	Pegmatite.
7.7-8.0	Mica gneiss.
8.0-10.1	Pegmatite.
10.1-39.7	Mica gneiss; somewhat weathered to about 15 feet.
39.7-47.2	Pegmatite, fairly fine-grained and quartzose. Muscovite moderately abundant but small.
47.2-60.0	Mica gneiss.
60.0-65.5	Hornblende gneiss.
65.5-70.5	Mica gneiss.
70.5-73.1	Hornblende gneiss.
73.1-75.1	Mica gneiss.
75.1-92.0	Hornblende gneiss.
92.0-97.4	Mica gneiss.
97.4-98.0	Pegmatite stringer.
98.0-116.7	Mica gneiss.
116.7-117.1	Pegmatite stringer.
117.1-124.7	Mica gneiss.
124.7-126.6	Hornblende gneiss.
126.6-128.0	Mica gneiss.
128.0-128.8	Hornblende gneiss.
128.8-150.8	Mica gneiss.
150.8-151.2	Quartz vein.
151.2-202.5	Mica gneiss.
202.5-208.5	Interlayered hornblende gneiss and mica gneiss.
208.5-208.8	Pegmatite stringer.
208.8-214.5	Hornblende gneiss and mica gneiss.
214.5-220.0	Mica gneiss.

9/ Logged by John M. Parker III, Federal Geological Survey.

Drill-Hole Log[10]

Core-drill hole: No. 8 Collar elevation: 2,583 ft.

Location: N. 1031, E. 1123 Presnell mine Angle of hole: 63°

Depth, feet	Description
0.0-2.0	No core.
2.0-8.5	Muscovite-biotite-garnet gneiss, with many thin (1/2-1 inch) pegmatite stringers.
8.5-9.3	Pegmatite, fairly fine-grained. No muscovite.
9.3-22.3	Mica gneiss (mainly biotite). Few hornblende gneiss layers.
22.3-23.7	Hornblende gneiss.
23.7-34.3	Fine-grained mica gneiss. Few pegmatite stringers between 28 and 30 feet.
34.3-47.8	Pegmatite; fairly quartzose. Fine mica flakes and books as much as 3 inches in diameter. Garnet.
47.8-62.4	Fine-grained mica gneiss.
62.4-64.8	Pegmatite, fine-grained. Contains sulphides and schist wisps. No muscovite except little flakes.
64.8-68.6	Mica gneiss.
68.6-71.0	Pegmatite, fine-grained. Green muscovite and biotite.
71.0-74.1	Mica gneiss.
74.1-75.6	Pegmatite, fine-grained. Much sulphide. No mica.
75.6-82.0	Mica gneiss with a few pegmatite stringers.
82.0-83.3	Pegmatite, fine-grained. Biotite; no muscovite.
83.3-105.6	Mica gneiss with a few layers of coarser mica schist.
105.6-106.4	Pegmatite, fine-grained. Quartzose; no muscovite.
106.4-134.0	Mica gneiss, some a little schistose. Few pegmatite stringers.

Drill-Hole Log[11]

Core-drill hole: No. 9 Collar elevation: 2,625 ft.

Location: N. 1062, E. 1222 Presnell mine Angle of hole: 63°

Depth, feet	Description
0.0-10.0	No core.
10.0-12.0	Pegmatite with scrap mica. Weathered.
12.0-52.8	Mica gneiss with a few thin hornblende gneiss layers.
52.8-53.5	Hornblende gneiss.
53.5-55.0	Mica gneiss.
55.0-70.0	Hornblende gneiss.
70.0-73.1	Mica gneiss.
73.1-75.5	Hornblende gneiss, with pegmatite stringers.
75.5-89.9	Mica gneiss, with pegmatite stringers.
89.9-90.6	Pegmatite, with scrap mica.
90.6-93.8	Mica gneiss, with pegmatite stringers up to 3 inches thick.
93.8-96.9	Pegmatite, fine-grained, quartzose; no mica.

10/ Logged by John M. Parker III, Federal Geological Survey.
11/ Logged by John M. Parker III, Federal Geological Survey.

Core-drill hole: No. 9 (Continued)

Depth, feet	Description
96.9-110.0	Mica gneiss.
110.0-117.0	Hornblende gneiss and mica gneiss in alternating thin layers.
117.0-118.0	Hornblende gneiss.
118.0-123.5	Mica gneiss, with a few hornblende gneiss layers.

Drill-Hole Log

Core-drill hole: No. 10 Collar elevation: 890 ft.

Location: N. 1115, E. 1105 Angle of hole: Vertical

Depth, feet	Description
0-42	Overburden and weathered country rock.
42-61	Somewhat weathered 0.9 foot pegmatite at 50 feet.
61-67	Pegmatite (small mica), 62 to 66.5.
67-156.5	Mica gneiss (country rock).

Drill-Hole Log

Core-drill hole: No. 11 Collar elevation: 890 ft.

Location: N. 1128, E. 1057 Angle of hole: Vertical

Depth, feet	Description
0-43	Overburden and weathered country rock.
43-66.5	Mica gneiss (0.5 foot pegmatite at 57.9).
66.5-70.5	Pegmatite, 68.4 to 69.4.
70.5-96.0	Mica gneiss (trace pegmatite at 86 feet).

Drill-Hole Log

Core-drill hole: No. 12 Collar elevation: 889 ft.

Location: N. 1103, E. 1154 Bess mine Angle of hole: 90°

Depth, feet	Description
0-33	Overburden.
33-41.5	Pegmatite.
41.5-55.5	Mica gneiss.
55.5-60.5	Pegmatite.
60.5-100	Mica gneiss.

Drill-Hole Log

Core-drill hole: No. 13 Collar elevation: 888 ft.

Location: N. 1089, E. 1201 Bess mine Angle of hole: 90°

Depth, feet	Description
0-24	Overburden.
24-26	No core.
26-32.75	Pegmatite, good mica content, small.
32.75-53	Mica gneiss.
53-54	Pegmatite, heavy mica content, small.
54-54.4	Massive quartz, little mica and pyrite.
54.4-62	Mica gneiss.

Drill-Hole Log

Core-drill hole: No. 14 Collar elevation: 888 ft.

Location: N. 1147, E. 1139 Bess mine Angle of hole: 90°

Depth, feet	Description
0-33	Overburden.
33-37	Quartz, pegmatite, gneiss (only 4 inches core recovered).
37-70.5	Mica gneiss, less mica than usual.
70.5-75.75	Pegmatite, good mica, coarser than usual.
75.75-86	Mica gneiss, less mica than usual. Hole completed.

Drill-Hole Log

Core-drill hole: No. 15 Collar elevation: 887 ft.

Location: N. 1135, E. 1188 Bess mine Angle of hole: 90°

Depth, feet	Description
0-35	Overburden.
35-62	Mica gneiss.
62-64	Pegmatite, good mica content, small.
64-83	Mica gneiss, pyritic.

Exhibit D

FLETCHER O. PHILLIPS

Fletcher O. Phillips is 46 years old, a native of the Spruce Pine area, and has lived in that mining district most of his life.

He has 26 years of mining experience, and at present is mining mica and feldspar on a commercially profitable basis in the Dogwood Flat near Yellow Mountain in the Spruce Pine area. This mine is presently producing one thousand pounds of mica of punch or better quality per week and approximately seventy-five tons of feldspar.

During World War II, Mr. Phillips was one of three partners in the mica fabricating plant of "Carpenter and Phillips Mica Company" which employed from 90 to 180 persons. One of his duties was to purchase mica for fabricating. That experience has thoroughly schooled Mr. Phillips in appraising and grading blocks and sheets of mica.

His two years mining education at North Carolina State College is one of his greatest assets in that it helps him to evaluate out croppings and to follow "leads" once mining operations have commenced.

His past employment record is as follows:

Bennidict Coal Co.	St. Charles, Va.	1927 - 1928
Mining School	State College, N. C.	1928 - 1930
Bennidict Coal Co.	St. Charles, Va.	1930 - 1932
Hoot Owl Mine	Spruce Pine, N. C.	1934 - 1936
Mining for self	Spruce Pine, N. C.	1936 - 1941
Carpenter & Phillips Mica Co. (partner)	Spruce Pine, N. C.	1941 - 1945

* * * * * *

References:

Mr. Ernest Poteat, Cashier,
Northwestern Bank, Bakersville, N. C.
Mr. Roy Welds, Manager,
Harris Clay Co., Spruce Pine, N. C.
Mr. J. P. McKinney, Mine Manager,
United Feldspar & Minerals, Spruce Pine, N. C.

ERNEST CROWDER

Ernest Crowder is forty-four years old and has lived all his life in Mitchell County, North Carolina. His first employment was in local mines as a mucker at the age of sixteen.

For the past twenty years he has been a mining supervisor having from five to fifteen men under his supervision including drillers, muckers, drag line operators, and truckers. As a result of his many years of experience, he is thoroughly familiar with the location of and mining of mica and feldspar.

Due to his knowledge of blasting and his penchant for safety preparations in pillowing, timbering and supporting shafts and caves, miners are not afraid to work under him. In fact, his reputation for safety is well known, and the insurance underwriters usually insure "his" mines at low rates.

His past employment record is as follows:

Ewrin Feldspar	"C" Mine	1927 - 1929
Carolina Minerals	"Pink Mine"	1929 - 1936
Tennessee Minerals	"Deerpark"	1936 - 1937

For self and in partnership with others since 1937.

* * * * * *

References:

Mr. Ed. Fortner
Insurance Agent, Spruce Pine, North Carolina
Mr. "Bill" McKinney, General Manager
Spruce Pine Store Co., Spruce Pine, North Carolina
Mr. Carroll Rogers,
Blue Ridge Mining Co., Spruce Pine, North Carolina

JOHN PHILLIPS

John Phillips is thirty-four years old and a native of the Spruce Pine area where he has lived most of his life.

He operated the Bouy Mine in Spruce Pine during the years 1941 to 1943 from which he produced a large quantity of book mica of punch and better grade.

In 1941 at the same time he was operating the Bouy Mine, he became a member of the partnership "Carpenter and Phillips Mica Company." This firm fabricates punch grade mica for the electric and electronic industry.

Mr. Phillips' business acumen is evidenced by his rapid expansion in conservative business interests. He is one of two partners in the partnership of "Phillips and Coulter." This partnership is engaged in the following businesses:

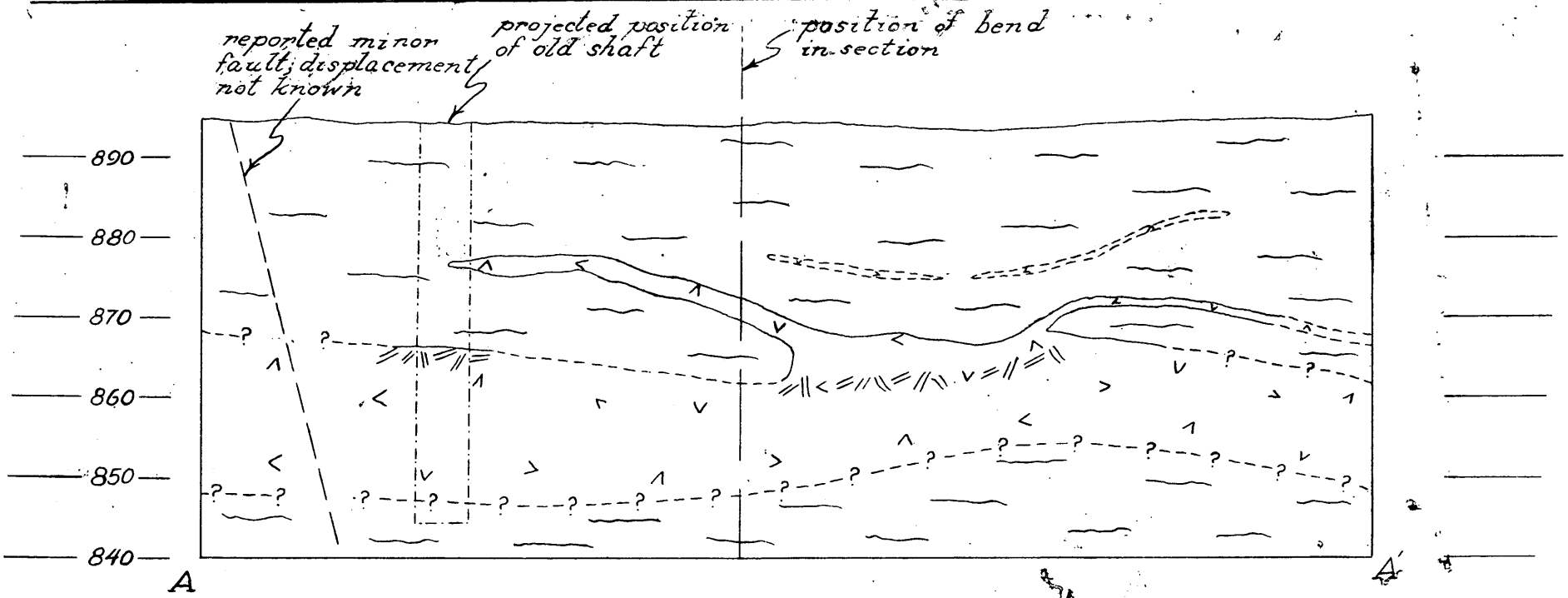
1. The Texas Company Distributorship for Avery, Mitchell and Yancey Counties.
2. Studebaker automobile and truck dealer for Avery, Mitchell and Yancey Counties, North Carolina.
3. Firestone Retail Store
4. Texaco Service Station, Spruce Pine,

* * * * * *

References:

Mr. Robert Guy, Cashier
Avery County Bank, Newland, N. C.
Mr. Baxter Johnson, Owner,
Johnson Electric Co., Spruce Pine, N. C.
Mr. L. L. McMurry, Supervising Engineer,
Feldspar Flotation Co., Spruce Pine, N. C.

Sketch of North Face of Open Cut



Section along line A-A'

Bess Gaston Mine
Gaston Co., N. C.
DMEA ~~2971~~

Bess Gaston Mine

DMEA ~~2971~~

EXPLANATION

Dump material and other waste (left-hand pattern in plan, right-hand pattern in section)

~~Dump (pattern at right used on map only)~~

Coarse-grained Plagioclase-quartz-~~microcline~~ perthite-muscovite pegmatite, ~~coarse to medium grained~~ undivided

Sheet mica concentration

Quartz-~~biotite~~ mica schist (pattern shown in section only)

970 Generalized contour on hanging wall of main pegmatite body

60 Dip and strike of foliation

60 Contact, showing dip; dashed where ~~Contact, location~~ approximate

Edge of pit or cut
Collar of diamond-drill hole

D General direction of dip of pegmatite

P General direction of plunge of minor structures in pegmatite

970 Structure contour on hanging wall of pegmatite body

insert here

Scale in feet

20 0 20 40 60 ~~feet~~

Contour interval 5 feet; local datum assumed

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

SCHEDULE OF COLLECTIONS

Schedule No. [illegible] 20

Sheet No. .....

Defense Minerals Exploration Administration — (Department or Establishment)

[illegible]-23-37) — (Bureau or Office)

Received by [illegible] Hudson, Regional Disbursing Officer (Name) (Title) at [illegible] Ridge, Tenn. (Station)

Period January 1954 (Month or quarter ended)

D. O. Symbol No. 1[illegible]20

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
Check dated 1/5/54	189	Check - The Northwestern Bank, Spruce Pine, N.C.	5% royalty on mica sold under contract IOM-[illegible]-333, [illegible]A - 2345 ([illegible] Phillips of [illegible] Gaston Mica Mines)	119.35	1[illegible]1 Revolving Fund Defense Production Act, Interior
			Total,	119.35	

[illegible] OF THE [illegible]
[illegible]
RECEIVED
[illegible] 1 1954

Received ....., subject to collection.

Forwarded January 8, 1954

(Disbursing clerk or accountable officer)

By .....

By .....

William [illegible] (Name) Lair

Title Authorized Certifying Officer

Certificate of Deposit No. ..... dated .....

U. S. GOVERNMENT PRINTING OFFICE 10—1790

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
SOUTHEASTERN REGION
REGION VII
HAMILTON BANK BUILDING

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

Defense Minerals Administration
RECEIVED
JUL 23 1953

July 21, 1953

Memorandum

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

From: Administrative Officer, Region VII, Knoxville, Tennessee

Subject: Monthly reports and vouchers

We are enclosing two copies each of the following monthly reports and vouchers:

Idm-E-303 — Ross Gaston Mica Miners
Docket No. DMEA-2345
12th and Final payment, month of June
Amount $594.90
Completion Date: 6/26/53

Idm-E-524 — Hooper Brothers
Docket No. DMEA-2909
1st payment, month of June
Amount $891.00
Starting Date: 6/1/53

Helen R. Miller

Enclosures
HBM:JRT:hbm
CC: W. A. Beck
R. A. Laurence
Region Files
Day Files

[redacted] Defense Minerals Administration
RECEIVED
JUL 23 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

PAID OF VOUCHER AND SCHEDULE OF PAYMENTS, NO. -K-4

Final 19

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1953 Docket No. DMEA 2345 Contract No. idm-E 303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, North Carolina
Contract Amount, $ 8,300.00 Government Participation: 90 % Amount, $ 7,470.00

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	$36.00	None	$36.00			
Bulldozing						
~~Crosscuts~~ Drifting	$625.00	$2,840.00	$3,465.00			
Drifting						
Shafting	None	$4,060.00	$4,060.00			
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$661.00	$6,900.00	$7,561.00	661.00	6,900.00	7,561.00

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

Date 7/7/53 *Payee Bess Gaston Mica Miners

Per J O Phillips Title Manager

*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:

$ 594.90

Signature Cora A. Piper
(Authorized Certifying Officer)

Date JUL 17 1953 Vou. No. 19
(See other side)

Ck 7 C-6/26/53

66.10

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Dm-E 303 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date July 8, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date JUL 10 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 [illegible]F-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 23 1953

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

Month of June 1953 Docket No. DMEA 2345 Contract No. dm E 303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, North Carolina

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	$625.00	25	$3,465.00	1386	$25.00	138.6	$25.00
Crosscutting								
Raising								
Shafts								
Winzes	Ft	None	None	$4,060.00	116	$35.00	125	$35.00
Drilling: ~~xxx~~	Ft	$ 36.00	36	$ 36.00	36	$36.00	150	~~$100.00~~ 1.00 LES
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		$661.00		$7,561.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$661.00		$7,561.00				

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

Date 7/7/53 Operator Bess Gaston Mica Miners

Per [signature] Title Manager

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

DMEA No. E-303

OPERATORS MONTHLY PROGRESS REPORT

FOR MONTH OF

JUNE 1953

WORK ACCOMPLISHED

We started our drift fifteen feet from the shaft in the 113.6 foot drift and drove South forty-four feet. We drilled three twelve-foot test holes - one each at ten, twenty, and twenty-five feet, but found no pegmatite anywhere.

DAILY NOTES

June 8 to 10 - sat pump and pumped water.

June 11 to 12 - Drilled and built platform in 116 foot shaft.

June 15 to 20 - Advanced drift.

June 22 to 26 - Advanced shaft to 44 feet.

RECEIVED
JUL 10 1953
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

Form [redacted]4 (Rev.)
([redacted]52)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 29 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1953 Docket No. DMEA 2345 Contract No. Idm E 303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.
Contract Amount, $ 6900.00 Government Participation: 90 % Amount, $ 6210.00

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	690.00	2150.00	2840.00	690.00	2150.00	2840.00
Shafting	None	4060.00	4060.00		4060.00	4060.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	~~$690.00~~	6210.00	$ 6900.00	690.00	6210.00	6900.00

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

Date 4-7-53 *Payee Bess Gaston Mica Miners

Per J O Phillips Title Manager

*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:

$ 621.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date APR 17 1953 Vou. No. 147

(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-E303 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date April 8, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date APR 10 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 [illegible]04A
(Ap[illegible])

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 27 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1953 Docket No. DMEA 2345 Contract No. Idm E 303

Operator's Name Bess Gaston Mica Miners Minerals Mica

Address P. O. Box 776, Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	690.00	27.6	2840.00	113.6	2500	113.6	25.00
Crosscutting								
Raising								
Shafts	Ft.	None	None	4060.00	116	35.00	125	35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$690.00		$6900.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$690.00		6900.00				

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

Date 4-7-53 Operator Bess Gaston Mica Miners

Per J O Phillips Title Manager

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

DMEA No. E-303

Operators Monthly Progress Report For The Month Of
March 1953

Work Accomplished

We have advanced the drift from 86 feet to 113.6 but this month we have drilled one test hole 16 feet streight ahead and others on either side and have found no pegamite anywhere.

Daily Notes

March 2 to 7 Advanced drift.
March 9 to 14 Advanced drift.
March 16 to 21 Advanced drift and drilled Test holes.
March 23 to 24 Drilled test holes.
March 24 to 28 Pump stopped and had to be replaced.
March 30 to 31 Drilled test holes.

122

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

AND SCHEDULE 47

Month of February, 1953 Docket No. DMEA 2345 Contract No. IDM E 303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, North Carolina
Contract Amount, $6,900.00 Government Participation: 90 % Amount, $6,210.00

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	$250.00	$1,900.00	$2,150.00	250.00	1,900.00	2,150.00
Shafting	None	$4,060.00	$4,060.00		4,060.00	4,060.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$250.00	$5,960.00	$6,210.00	250.00	5,960.00	6,210.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-3-53 *Payee Bess Gaston Mica Miners
Per J O Phillips Title Manager

*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:

$225.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date MAR 10 1953 Vou. No. 122
(See other side)

10 ck

25.00

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E303 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date March 6, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER ~~DMEA REGION VII~~ Date MAR 9 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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 18 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 2345 Contract No. IDM E 303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, North Carolina

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	$250.00	10	$2,150.00	86	$25.00	101	$25.00
Crosscutting								
Raising								
Shafts	Ft.	None	None	$4,060.00	116	$35.00	125	$35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$250.00		$6,210.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$250.00		$6,210.00				

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

Date 3-5-53 Operator Bess Gaston Mica Miners

Per J O Phillips Title Manager

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

DMEA No. E-303

OPERATORS MONTHLY PROGRESS REPORT

FOR THE MONTH OF

FEBRUARY 1953

WORK ACCOMPLISHED

We have worked in drift this month and have advanced to eighty-six (86) feet. We have also drilled several test holes in all directions and have found no pegmatite so far.

DAILY NOTES

February 2 - 14 — Drilled test holes in roof, bottom, and sides.

February 16 - 28 — Advanced drift.

RECEIVED
MAR 9 1953
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

107

ORIGINAL VOUCHER AND SCHEDULE OF PAYMENTS NOR - 44

FEB 10 1953

Month of January, 1953 Docket No. DMEA 2345 Contract No. IDM-E-303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address Box 776, Spruce Pine, North Carolina
Contract Amount, $ 6,900.00 Government Participation: 90 % Amount, $ 6,210.00

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	$750.00	$1,150.00	$1,900.00	750.00	1,150.00	1,900.00
Shafting	None	4,060.00	4,060.00		4,060.00	4,060.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$750.00	$5,210.00	$5,960.00	750.00	5,210.00	5,960.00

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

Date 2-6-53 *Payee Bess Gaston Mica Miners

Per J. O. Phillips Title Manager

*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:

$ 675.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date FEB 12 1953 Vou. No. 107

(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. Tm-5303 in accordance with the terms of the contract.

Signature Laurence E. Shirley Title Mining Engr. U.S.B.M. Date Feb. 9, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Beck ACTING EXECUTIVE OFFICER Title DMEA REGION VII Date FEB 11 1953

MONTHLY REPORT OF OPERATOR

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(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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

FEB 10 1953

Month of January 195 3 Docket No. DMEA 2345 Contract No. IDM-E-303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address Box 776, Spruce Pine, North Carolina

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	$750.00	30	$1,900.00	76	$25.00	101	$ 25.00
Crosscutting								
Raising								
Shafts	Ft.	None	None	$4,060.00	116	$35.00	125	$ 35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$750.00		$5,960.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$750.00		$5,960.00				

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 2-6-53 Operator Bess Gaston Mica Miners

Per J O Phillips Title Manager

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

FOR THE MONTH OF

JANUARY 1953

WORK ACCOMPLISHED

We have worked in drift this month and have advanced to seventy-six (76) feet. We have not found anything other than hard, blue slate, and the water has been getting some stronger all along.

DAILY NOTES

January 4 - 10 - Worked on drift.

January 12 to 17 - Drilled test holes in bottom ten (10) feet deep at fifty (50) feet from shaft but found no pegmatite.

January 19 to 24 - Advanced the drift to seventy-six (76) feet.

January 26 to 31 - Drilled test hole in roof of drift eighteen (18) feet but found nothing.

IF-104 (Rev.)
April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 8 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1952 Docket No. DMEA 2345 Contract No. IDM-E-303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.
Contract Amount, $ 6,900.00 Government Participation: 90% Amount, $ 6,210.00

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) ~~[illegible]~~ Short Form } Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting	$600.00	$ 550.00	$1,150.00	600.00	550.00	1,150.00
Shafting	None	$4,060.00	$4,060.00		4,060.00	4,060.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$600.00	$4,610.00	$5,210.00	600.00	4,610.00	5,210.00

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

Date 1-1-53 *Payee Bess Gaston Mica Miners

Per J O Phillips Title Manager

*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
(Authorized Certifying Officer)

Date 1/6 Vou. No.
(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. Tdm-E303 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Jan. 2, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title Executive Officer Date Jan 5 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

IF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 8 1953

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

Month of December 1952 Docket No. DMEA 2345 Contract No. IDM-E-303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	$600.00	24	$1,150.00	46	$25.00	101	$25.00
Crosscutting								
Raising								
Shafts	Ft.	None	None	$4,060.00	116	$35.00	125	$35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$600.00		$5,210.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$600.00		$5,210.00				$6,900.00

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 1-1-53 Operator Bess Gaston Mica Miners

Per J. P. Phillips Title Manager

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

OPERATORS MONTHLY PROGRESS REPORT

FOR THE MONTH OF

DECEMBER 1952

WORK ACCOMPLISHED

We have worked in drift all this month and have advanced to forty-six (46) feet. We are still in hard blue slate, but at approximately thirty-five (35) feet we found some small quartz and some feldspar signs, and this has continued to the present penetration.

DAILY NOTES

December 1 to 6 - Worked on drift.

December 7 to 13 - Worked on drift.

December 14 to 20 - Built and installed ladder to bottom of shaft.

December 22 - We had compressor trouble and had to move in another compressor.

December 23 and 24 - Worked on drift.

December 29 to 31 - Worked on drift.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
SOUTHEASTERN REGION
REGION VII

OFFICE OF
REGIONAL DIRECTOR

P. O. BOX 217
NORRIS, TENNESSEE

December 19, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

Memorandum

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

From: Administrative Officer, Region VII, Norris, Tennessee

Subject: Monthly Reports and Vouchers

We are enclosing two copies each of the following monthly reports and vouchers:

Idm-E-303 Bess Gaston Mica Miners
Docket No. DMEA-2345
7th payment - month of November
Amount: $396.00

~~Idm-E-407 Fred Wilson & John Van Werry~~
~~Docket No. DMEA-2533~~
1st payment - months of October and November
~~Amount~~ $828.00

~~Idm-E-412 Burke-John Mica Miners~~
~~Docket No. DMEA-2277~~
~~1st payment - months of October and November~~
~~Amount $2196.67~~

Helen R. Miller
Helen R. Miller

Enclosures
CC: W. A. Beck
R. A. Laurence

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1038.3
Approval Expires Aug. 31, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
DEC 22 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 2345 Contract No. IDM-E 303
Operator's Name Bess Gaston Mica Miners Minerals
Address P. O. Box 776, Spruce Pine, North Carolina
Contract Amount, $ 6,900.00 Government Participation: 90 % Amount, $ 6,210.00

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	$ 300.00	$ 250.00	$ 550.00	300.00	250.00	550.00
Shafting	$ 140.00	$3,920.00	$4,060.00	140.00	3,920.00	4,060.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$440.00	$4,170.00	$4,610.00	440.00	4,170.00	4610.00

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

Date 12-10-52 *Payee Bess Gaston Mica Miners

Per [signature] Title Manager

*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:

$ 396.00

Signature
(Authorized Certifying Officer)

Date Vou. No.
(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. Tdm. E303 in accordance with the terms of the contract.

Signature Lawrence E. Shurley Title U.S.B.M. Mining Engr. Date Dec. 15, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title Executive Offic Date DEC 17 1952

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.

U. S. GOVERNMENT PRINTING OFFICE 205675

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

Month of November 195 2 Docket No. DMEA 2345 Contract No. DMA-E 303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, North Carolina

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	$ 300.00	12	$ 550.00	22	$25.00	101	$ 25.00
Crosscutting								
Raising								
Shafts	Ft.	$ 140.00	4	$4,060.00	116	$35.00	125	$ 35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$ 440.00		$4,610.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 440.00		$4,610.00				

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 Dec. 10, 1952 Operator Bess Gaston Mica Miners

Per G O Phillips Title Manager

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

DMEA NO. 303 2345

OPERATOR'S MONTHLY PROGRESS REPORT

FOR THE MONTH OF

NOVEMBER 1952

WORK ACCOMPLISHED

Continued sinking shaft to a depth of 116 feet. We are having a lot of water to contend with.

Advanced drift to 22 feet and have been in hard blue slate all the way.

DAILY NOTES

November 3 to 4 - Set up another hoist.

November 5 to 14 - Worked on drift.

November 17 to 22 - Worked on sinking shaft.

November 24 to 29 - Built landing for muck bucket in bottom, and fixed so we could dump wheelbarrow in bucket. Also installed automatic switch on electric pump.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Budget Bureau No. 42-R1036.3.
Approval Expires 6-30-53
RECEIVED
NOV 13 1952

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

Month of October, 1952 Docket No. DMEA 2345 Contract No. IDM-E 303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.
Contract Amount, $ 6,900.00 Government Participation: 90 % Amount, $ 6,210.00

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~~ DRIFTING	$ 250.00	None	$ 250.00	250.00		250.00
Bulldozing						
Crosscutting						
Drifting						
Shafting	$ 245.00	$3,675.00	$ 3,920.00	245.00	3,675.00	3920.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 495.00	$3,675.00	$4,170.00	495.00	3,675.00	4,170.00

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

Date 11-7-52 *Payee Bess Gaston Mica Miners

Per J V Phillips Title Manager

*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)

Noted 8-H 11/17/52

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

$ 445.50

Signature
(Authorized Certifying Officer)

Date Vou. No.
(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-E303 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Nov. 8, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title Executive Officer Region VII Date 11-10-52

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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 13 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 2345 Contract No. IDM-E 303
Operator's Name Bess Gaston Mica Miners Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft	$ 250.00	10	$ 250.00	10	$ 25.00	101	$ 25.00
Crosscutting								
Raising								
Shafts	Ft	$ 245.00	7	$3,920.00	112	$ 35.00	125	$ 35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$ 495.00		$4,170.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 495.00		$4,170.00				

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

Date 11-7-52 Operator Bess Gaston Mica Miners

Per J. O. Phillips Title Manager

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

DMEA No. E 303

OPERATORS MONTHLY PROGRESS REPORT

For The Month Of

OCTOBER 1952

WORK ACCOMPLISHED

Continued sinking shaft to a depth of 112 feet. Have had lots of water and have been going very slow.

Started drifting and have advanced 10 feet with drift. Started drift at a depth of 110 feet.

DAILY NOTES

October 1 to 10 - Continued with sinking shaft.

October 14 - Started drift at 105 to 110 feet deep. Pulled one round of holes.

October 15 to 18 - Pulled two round of holes in drift and mucked out.

October 20 to 29 - Pulled one round of holes and mucked out.

October 29 - Had hoist trouble and had to stop work. Waiting for another hoist.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Budget Bureau No. 42-R1036.3.
Defense Minerals Exploration Administration
RECEIVED
OCT 15 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 2345 Contract No. Idm-R-303
Operator's Name Bess Gaston Mica Miners, Ptnrship Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.
Contract Amount, $6,900.00 Government Participation: 90 % Amount, $6,210.00

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 Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shafting	$350.00	$3325.00	$3,675.00	350.00	3325.00	3675.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$350.00	$3,325.00	$3,675.00	350.00	3325.00	3675.00

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

Date Oct. 3, 1952 *Payee Bess Gaston Mica Miners

Per J. O. Phillips Title Manager

*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)

Noted SF 11-17-52

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

$315.00

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

Noted SF 10/17/52

(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.E-303 in accordance with the terms of the contract.

Signature W. T. Beck Title Mining Engr. U.S.B.M. Date 10-10-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lemmerman Title Executive Officer Region VII Date 10-10-52

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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 15 1952

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

Month of September 195 2 Docket No. DMEA 2345 Contract No. Idm-E-303
Operator's Name Beas Gaston Mica Miners, Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	$350.00	10	$3,675.00	105	$35.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$350.00		$3,675.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$350.00		$3,675.00				

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 Oct. 3, 1952 Operator Beas Gaston Mica Miners

Per J. W. Phillips Title Manager

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

Narrative On Bess Mica Mine

For Month Of September

Sank shaft ten (10) feet this month, making a total depth of one hundred five (105) feet to date.

We have difficulty lowering this shaft on account of very much water and the hardness of the material. We have'nt hit any pegmatite yet.

Signed: J O Riley

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON, D.C.~~
Room 13, Post Office Building
Knoxville, Tennessee

September 12, 1952

Mr. F. O. Phillips
Bess Gaston Mica Miners
P.O. Box 776
Spruce Pine, North Carolina

Re: DMEA-2345, Idm-E303 (mica)

Dear Mr. Phillips:

We find that your August Operator's Monthly Report and Voucher is in error. Your made a mistake in calculating. Thirteen feet of advance in your shaft at $35.00 per foot amounts to $455.00 and not $235.00 as you had charged. We have sent your report in for payment with that correction.

Your totals will now be $445.00, $2870.00 and $3325.00. Please correct your copies of Form MF-104 and MF-104A.

Hope the shaft sinking is going better this month.

Very truly yours,

Wm. A. Beck, for R. A. Laurence
Executive Officer, DMEA Field Team
Region 7.

WAB/mm
cc:
Morris-3
Lynch
Files

Form MF-124 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP 17 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August 5, 1952 195____ Docket No. DMEA 2345 Contract No. Idm-B-303
Operator's Name Bess Gaston Mica Miners, Ptnrship Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.
Contract Amount, $ 6,900.00 Government Participation: 90 % Amount, $ 6,210.00

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	$235.00	$2,870.00	$3,105.00	455.00	2870.00	3325.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$235.00	$2,870.00	$3,105.00	455.00	2870.00	3325.00

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

Date Sept. 5, 1952 Payee Bess Gaston Mica Miners

Per J O Phillips Title Manager

*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:

$ 409.50

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
(See other side)

9/22/52

(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 E 303 in accordance with the terms of the contract.

Signature W. A. Beck Title Mining Engr. U.S.B.M. Date 9-12-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Laurence Title Executive Officer U.S.B.M. Date 9-12-52

MONTHLY REPORT OF OPERATOR

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(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.

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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".

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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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 17 1952

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

Month of August 1952 Docket No. DMEA 2345 Contract No. Idm-E-303
Operator's Name Bess Gaston Mica Miners, Ptnrship Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising		455.00		3325.00				
Shafts	Ft.	~~$235.00~~	13	~~$3,105.00~~	95	$35.00	125	$35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		455.00 ~~$235.00~~		3325.00 ~~$3,105.00~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
		455.0.		3325.00				
TOTAL COSTS		~~$235.00~~		~~$3,105.00~~				

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. 5, 1952 Operator Bess Gaston Mica Miners

Per G D Phillips Title Manager

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

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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.

U. S. GOVERNMENT PRINTING OFFICE 205676

Narrative On Bess Mica Mine

For Month Of August

Sank shaft thirteen (13) ft. this month making a total depth of ninety-five feet to date.

We have found no mica so far. This shaft has been very difficult to lower because of the abundance of water and the hardness of the material we have encountered.

Signed: G P Phillips

Form M[illegible]-104 (Rev.)
(A[illegible]l 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

Month of July, 195 2 Docket No. DMEA 2345 Contract No. Idm -E303
Operator's Name Bess Gaston Mica Miners, Ptnrship Minerals Mica
Address P. O. Box 776, Spruce Pine, N. C.
Contract Amount, $6,900.00 Government Participation: 90 % Amount, $6,210.00

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	$595.00	$2,275.00	$2,870.00	$595.00	$2,275.00	$2,870.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$595.00	$2,275.00	$2,870.00	$595.00	$2,275.00	$2,870.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Aug. 5, 1952 Payee Bess Gaston Mica Miners
Per G O Phillips Title Manager

*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:

$535.50

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

INTERIOR
Defense Minerals Administration
AUG 25 1952

(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. IAm-E303 in accordance with the terms of the contract.

Signature Benjamin Gildersleeve Title Geologist, U.S.G.S. Date 8/11/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. A. Beck Title Acting Exec. Officer Date 8-11-52

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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form M[illegible]-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 July 195 2 Docket No. DMEA 2345 Contract No. Idm-E303

Operator's Name Bess Gaston Mica Miners, Ptnrship Minerals Mica

Address P. O. Box 776, Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	$595.00	17	$2870.00	82	$35.00	125	$35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$595.00		$2,870.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

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

Date Aug. 5, 1952 Operator Bess Gaston Mica Miners

Per J. P. Phillips Title Manager

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

NARRATIVE ON BESS MINE FOR MONTH OF

JULY 1952

Sank shaft seventeen (17) feet this month making a total depth of 82 feet to date. We have been getting some quartz but have found no mica so far.

We are having quite a lot of water to contend with and the deeper we go the harder the material is getting.

Signed: F O Rhuyer

July 10, 1952

Memorandum

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

From: Administrative Officer, Region VII, Morris, Tennessee

Subject: Monthly Progress Reports

We are enclosing two copies each of the following progress reports:

Ida-E-303 Dens Coston Mica Mines -mw Little
Docket No. DMEA 2345
2nd payment - month of June 1952
Amount - $913.90

Ida-E-311 Flockout Minerals, Inc. mw Little
Docket No. DMEA 2347
2nd payment - month of June 1952
Amount - $2660.85

Helen R. Miller

Enclosures
C : H. A. Lawrence
U. A. Book
Region Files
Day Files

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAIL
JUL 14 1952

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
JUL 14 1952

Month of June, 1952 Docket No. DMEA 2345 Contract No. Idm-E303
Operator's Name Bess Gaston Mica Miners, A Partnership Minerals Mica
Address P.O. Box 776 Spruce Pine, N. C.
Contract Amount, $ 6,900.00 Government Participation: 90 % Amount, $ 6,210.00

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	$1015.00	$1260.00	$2275.00	1015.00	1260.00	2275.00
(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.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1015.00	$1260.00	$2275.00	1015.00	1260.00	2275.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 7-2-52 *Payee Bess Gaston Mica Miners
Per Theldon O. Phillips Title Manager

*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:

$ 913.50

Signature
(Authorized Certifying Officer)

Date Vou. No.
(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 E-303 in accordance with the terms of the contract.

Signature W. A. Beck Title Mining Engr. U.S.B.M. Date 7-9-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title Executive Officer Date 7-9-52

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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 14 1952

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

Month of June 1952 Docket No. DMEA 2346 Contract No. Idm-5303
Operator's Name Bess Gaston Mica Mines, A Partnership Minerals Mica
Address P. O. Box 776 Spruce Pine, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	F.J.	$1015.00	29	$2275.00	65	$35.00	125	$35.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		$1015.00		$2275.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$1015.00		$2275.00				

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

Date 7-2-52 Operator Bess Gaston Mica Mines

Per Hitchcock Phillips Title Manager

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

Remarks:

(Instructions on reverse)

(For Government use only)

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

"Narrative On Bess Mica Mine"

For Month Of June

Sand shaft twenty nine (29) feet this month, making a total depth to date of sixty five (65) feet.

At fifty seven (57) feet, we hit a quartz vain that was approximately four (4) feet thick.

We have been in hard material all the way and it is getting harder as we get deeper.

We have also had a lot of water to contend with.

Signed Fletcher O Phillips

IMEA-2345, Idm-E303 (mica)

Bess Gaston Mica Miners, A partnership

This property was visited on July 2. The shaft has been sunk to a depth of 65 feet. The rock is very hard and progress slow. All work is being performed in an efficient manner.

Wm. A. Beck, Mining Engineer

FILE COPY
SURNAME:

Clerk
Lynch
Mr. Lom.
Miles

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
~~XXXXXXXXXXXXXXXX~~
WASHINGTON 25, D. C.
Room 13, Post Office Building
Knoxville, Tennessee

June 16, 1952

Memorandum

To: Helen Miller, Administrative Officer, Harris, Tenn.

From: Field Team DMA, Region VII

Subject: DMA-2345, Idm-5303,(mica) Bess Gaston Mica Mines.
Monthly Report May 1952.

Attached are 3 copies of the above subject monthly programs report, with narrative and certified vouchers attached.

Mr. A. Beck, for M. A. Lawrence
Executive Officer, DMA Field Team
Region VII

not rec'd non-metal min.
6-20-52

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 18 1952

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E E-303

Name of Operator Bess Gaston Mica Miners, Partnership.
Docket No. DMA 2345
Total Contract Amount $ 6,900.00
Government Participation: 90 % Amount, $ 6,210.00
Distribution of Expenditures for Month of May

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 23 1952

CERTIFICATION

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.

Bess Gaston Mica Miners, Partnership By Whitehead Phillips
(Name of Company) (Signature of Authorized Official)

May 5, 1952 Manager
(Date) (Title)

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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]						
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

May, 1960

"REPORT FOR BLUE BIRD MINE"

Sunk shaft a depth of thirty six (36) feet. Hit water at Eighteen (18) feet. Have been in medium hard quartz rock all the way.

BLUE BIRD MINE

Fletcher O. Phillips

Fletcher O. Phillips,
Manager.

RECEIVED
JUN 1 6 1952
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

RECEIVED
JUN 1 6 1952
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

COPY

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Wm.A. Beck

DATE: June 16, 1952

FROM : L. G. Marshall

SUBJECT: IMFA-#2345. Bess Gaston Mica Miners, Partnership

This property was visited May 29th. The shaft has been sunk to a depth of 36 feet. Timbering was to have started on the 30th.

All work is being performed in an efficient manner.

s/s L. G. Marshall

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]						
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total	1260.00	None	1260.00	1260.00		1260.00
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	1260.00	None	1260.00			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by K. J. Lynch
Entered by L. S. Marshall
Approved by W. M. Bell
Amount approved for payment $1134.00
Remarks 36 feet of shaft sinking @ $35.00/ft.

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF May 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts					1260.00	Ft.	36	NONE	36	125
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										~~125~~
Totals					1260.00	FT.	36	NONE	36	125

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

FILE COPY
SURNAME:

Anderson
Hunt
Chandler

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

600

Project Summary Report

By: Walter C. Anderson December 23, 1953

1. DMEA Docket No. 2345 - Mica
Contract No. Idm-E303
Bess Gaston Mine
Gaston County, North Carolina

Operator: Fletcher O. Phillips, Ernest Crowder, and John Phillips, d.b.a.
Bess Gaston Mica Miners, a partnership
c/o Fletcher O. Phillips, Manager
Spruce Pine, North Carolina

Operator's Property Rights:
Lease and option - dated March 28, 1951
Owner's Consent to Lien - no copy in docket file - probably waived

2. Contract - dated April 25, 1952

Work authorized:

125 feet of shaft @ $35/ft.	$4,375.00
101 feet of drift @ $25/ft.	2,525.00
Total estimated cost	$6,900.00
Government participation 90%	$6,210.00

Amendments:

No. 1 dated 3/3/53 - Changes work to allow:

116 feet of shaft @ $35/ft.	$4,060.00
113.6 feet of drift @ $25/ft.	2,840.00
Total estimated cost	$6,900.00

(no increase in total cost of project)

No. 2 dated 6/8/53 - Extends completion date from 12 months to 18 months and changes contract to allow work to be done in 2 stages as follows:

Stage I

116 feet of shaft @ $35/ft.	$4,060.00
113.6 feet of drift @ $25/ft.	2,840.00
Total Stage I	$6,900.00

R.C.G. 12-30-53

Stage II

50 feet of crosscut @ $25/ft.	$1,250.00
150 feet of long hole drilling @ $1/ft.	150.00
Total Stage II	$1,400.00
Total Agreed Unit Cost (Stage I - II)	$8,300.00
Government participation @ 90%	$7,470.00

(Total cost of project increased by cost of Stage II)

Work completed:

116 feet of shaft @ $35/ft.	$4,060.00
113.6 feet of drift @ $25/ft.	2,840.00
25 feet of crosscut @ $25/ft.	625.00
36 feet of drilling @ $1/ft.	36.00
Total cost of work completed	$7,561.00
Government's participation @ 90%	$6,804.90

The work began on May 9, 1952 and was completed on June 30, 1953. The Operator has done some additional exploration on his own account.

3. Audit Certification issued July 14, 1953 (no exceptions)

4. Certification of Discovery - None issued.

5. Comments:

The operation was conducted in a satisfactory manner. Operator furnished acceptable engineering and geological reports. Work conducted under the Contract failed to locate any pegmatite or mica. Little information was added to that known when the project started. It is apparent that almost all of the pegmatite was removed by the mining operation during World War II, and that the remaining pegmatite contains non-commercial mica. The Nonmetallic Minerals Division concurs in the field team's recommendation, that no Certification of Discovery should be issued.

WCAnderson:ag 12/23/53
Copy to: Admr. R. File
Docket File
Mr. Houk

☑ Audited PR 7-14-53 WORK ANALYSIS SHEET - DMEA PROJECT ☐ Actual Cost

☐ Certified Analysis as of 12-6-54 ☑ Agreed Unit Costs
Incl. Voucher for June 1953

Name Bess Gaston Mica Mines Docket No. V345

State N. C. Commodity Mica Idn-E No. 303

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	113.6 (101) 50	4090.00	113.6 25	3465.00	3465.00
Raising					
Shafts	(125) 116	4,060.00	116	4060.00	4060.00
Winzes					
Drilling (Specify) Longhole	150	150.00	36	36.00	36.00
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)					
Totals		8300.00		7561.00	7561.00

Prepared by [signature]

FILE COPY
SURNAME:

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

JAN 29 1954

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

Subject: Docket No. DMEA-2345 - Mica
Bess Gaston Mica Miners
Bess Gaston Mine
Gaston County, North Carolina
Contract No. Idm-E303

Dear Mr. Laurence:

Reference is made to your memorandum of January 4, 1954, to the Operating Committee on the closing letter on the subject contract.

Despite the closing letter to the Operator, dated December 30, 1953, the Operator is required to pay royalty on all production 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. You are correct, it was premature to close the books and records prior to January 15, 1954.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

T. H. Hedges
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey

LGHouk:gad 1/13/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.L. 1-19-54

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

January 7, 1954

Memorandum

To: Acting Chief, Finance Office - Region 7, Knoxville, Tenn.

From: Acting Executive Officer, D M E A

Subject: Royalty Check on DMEA-2345, Idm-E 303. Bess Gaston Mica Miners

Transmitted are the vouchers for sale of mica and a check in the amount of $119.35 for royalty on the sales.

Wm. A. Beck

zm.
cc:
Beck
Lynch
Mittendorf
Laurence

GENERAL SERVICES ADMINISTRATION
Mica Purchase Depot - Spruce Pine, N. C.

WARRANTY, ACCEPTANCE AND INVOICE

DATE: 11-19-53
ACCEPTANCE NUMBER: 4-550

ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER: EPS-4-155A
LOT NUMBER: SP-550
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: F. O. Phillips	SIGNATURE: s/
STREET ADDRESS:	NAME *(Type or print)*: F. O. Phillips
CITY, ZONE AND STATE: Spruce Pine, N. C.	TITLE *(Type or print)*: Owner

EVALUATION AND SETTLEMENT DATA

PROGRAM A - BLOCK OR FILM MICA

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER					$70.00	
GRADES NO. 4 AND 5				.68	$40.00	27.20
GRADES NO. 5½ AND 6				7.75	$15.00	116.25
STAINED						
GRADES NO. 3 AND LARGER		$12.00			$18.00	
GRADES NO. 4 AND 5		$ 5.00		1.11	$ 8.00	8.88
GRADES NO. 5½ AND 6		$ 3.00		16.60	$ 5.00	83.00
HEAVY STAINED						
GRADES NO. 3 AND LARGER		$ 8.00			$13.00	
GRADES NO. 4 AND 5		$ 4.00		.34	$ 6.00	2.04
GRADES NO. 5½ AND 6		$ 2.00		3.32	$ 3.00	9.96
TOTALS						
LOT TOTALS				29.80		247.33

PROGRAM B - HAND-COBBED MICA

TOTALS					$ 0.30	

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
Brack Buchanan	s/	Buyer

INVOICE

TO: General Services Administration, Region IV

FOR: Mica delivered as indicated above — $ 247.33

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

SELLER *(Type name)*	DATE
F. O. Phillips (Bess Mine)	11-19-53
BY *(Signature)*: s/ F. O. Phillips	NAME AND TITLE *(Type)*: owner

GSA-WASH DC 53-3094

COPY

GSA FORM 1013
September 1952

COPY

GENERAL SERVICES ADMINISTRATION
Mica Purchase Depot - Spruce Pine, N. C.

WARRANTY, ACCEPTANCE AND INVOICE

DATE 11-16-53
ACCEPTANCE NUMBER 4-538

ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER: EBS- 4-155A
LOT NUMBER: SP-538
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: F. O. Phillips	SIGNATURE:
STREET ADDRESS: Box 776	NAME *(Type or print)*: F. O. Phillips
CITY, ZONE AND STATE: Spruce Pine, N. C.	TITLE *(Type or print)*: Owner

EVALUATION AND SETTLEMENT DATA

PROGRAM A - BLOCK OR FILM MICA

QUALITY	HALF TRIM POUNDS	HALF TRIM PRICE PER LB.	HALF TRIM AMOUNT	FULL TRIM POUNDS	FULL TRIM PRICE PER LB.	FULL TRIM AMOUNT
GOOD STAINED AND BETTER						
GRADES NO. 3 AND LARGER						
GRADES NO. 4 AND 5				1.76	$70.00	70.40
GRADES NO. 5½ AND 6				15.40	$40.00	231.00
STAINED					$15.00	
GRADES NO. 3 AND LARGER		$12.00			$18.00	
GRADES NO. 4 AND 5		$ 5.00		3.16	$ 8.00	25.28
GRADES NO. 5½ AND 6		$ 3.00		19.25	$ 5.00	96.25
HEAVY STAINED						
GRADES NO. 3 AND LARGER		$ 8.00			$13.00	
GRADES NO. 4 AND 5		$ 4.00		.94	$ 6.00	5.64
GRADES NO. 5½ AND 6		$ 2.00		3.85	$ 3.00	11.55
TOTALS						
LOT TOTALS				44.36		440.12

PROGRAM B - HAND-COBBED MICA

TOTALS					$ 0.30	

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
Brack Buchanan	s/	Buyer

INVOICE

TO: General Services Administration, Region IV

FOR: Mica delivered as indicated above — $ 440.12

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

SELLER *(Type name)*	DATE
F. O. Phillips (Bess Mine)	11-16-53
BY *(Signature)*: F. O. Phillips	NAME AND TITLE *(Type)*: Owner

GSA-WASH DC 53-3094

COPY

GSA FORM 1013
September 1952

COPY

GENERAL SERVICES ADMINISTRATION
Mica Purchase Depot - ~~Spruce Pine, N. C.~~

WARRANTY, ACCEPTANCE AND INVOICE

DATE 11-6-53

ACCEPTANCE NUMBER 4-495

ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER: EPS-4-228A

LOT NUMBER: SP-495

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: Bess Mica Miners	SIGNATURE: F. O. Phillips
STREET ADDRESS: Box 776	NAME *(Type or print)*:
CITY, ZONE AND STATE: Spruce Pine, N. C.	TITLE *(Type or print)*: Partner

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				.19	$70.00	13.30
GRADES NO. 4 AND 5				2.15	$40.00	86.00
GRADES NO. 5½ AND 6				16.47	$15.00	247.05
STAINED						
GRADES NO. 3 AND LARGER		$12.00		.62	$18.00	11.16
GRADES NO. 4 AND 5		$ 5.00		3.38	$ 8.00	27.04
GRADES NO. 5½ AND 6		$ 3.00		17.20	$ 5.00	86.00
HEAVY STAINED						
GRADES NO. 3 AND LARGER		$ 8.00		1.00	$13.00	13.00
GRADES NO. 4 AND 5		$ 4.00		1.54	$ 6.00	9.24
GRADES NO. 5½ AND 6		$ 2.00		3.67	$ 3.00	11.01
TOTALS						
LOT TOTALS				46.22		503.80

PROGRAM B - HAND-COBBED MICA

TOTALS		$ 0.30	

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
Brack Buchanan	s/	Buyer

INVOICE

TO: General Services Administration, Region IV

FOR: Mica delivered as indicated above — $ 503.80

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

SELLER *(Type name)*: Bess Mica Miners (Bess Mine) — DATE 11-6-53

BY *(Signature)*: F. O. Phillips — NAME AND TITLE *(Type)*: F. O. Phillips, Partner

GSA-WASH DC 53-3094

COPY

GSA FORM 1013
September 1952

COPY

GENERAL SERVICES ADMINISTRATION
Mica Purchase Depot - Spruce Pine, N. C.

WARRANTY, ACCEPTANCE AND INVOICE

DATE 10-29-53

ACCEPTANCE NUMBER 4-311 471

ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER	LOT NUMBER	RECEIPT AND WEIGHT TICKET NUMBER
EPS-4-228A	SP-471	

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: Bess Mica Miners	SIGNATURE:
STREET ADDRESS: Box 776	NAME *(Type or print)*: F. O. Phillips
CITY, ZONE AND STATE: Spruce Pine, North Carolina	TITLE *(Type or print)*: partner

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					$70.00	
GRADES NO. 4 AND 5				2.48	$40.00	99.20
GRADES NO. 5½ AND 6				19.72	$15.00	295.80
STAINED						
GRADES NO. 3 AND LARGER		$12.00		.12	$18.00	2.16
GRADES NO. 4 AND 5		$ 5.00		3.72	$ 8.00	29.76
GRADES NO. 5½ AND 6		$ 3.00		19.72	$ 5.00	98.60
HEAVY STAINED						
GRADES NO. 3 AND LARGER		$ 8.00			$13.00	
GRADES NO. 4 AND 5		$ 4.00		.93	$ 6.00	5.58
GRADES NO. 5½ AND 6		$ 2.00		3.43	$ 3.00	10.29
TOTALS						
LOT TOTALS				50.12		541.39

PROGRAM B - HAND-COBBED MICA

TOTALS					$ 0.30	

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 — $ 541.39

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

SELLER *(Type name)*	DATE
Bess Mica Miners (Bess Mine)	10-29-53
BY *(Signature)*: F. O. Phillips	NAME AND TITLE *(Type)*: Partner

GSA-WASH DC 53-3094

GSA FORM 1013
September 1952

COPY

COPY

GENERAL SERVICES ADMINISTRATION
Mica Purchase Depot - Spruce Pine, N. C.

WARRANTY, ACCEPTANCE AND INVOICE

DATE: 10-21-53
ACCEPTANCE NUMBER: 4-439

ISSUED UNDER CERTIFICATE OF AUTHORIZATION NUMBER	LOT NUMBER	RECEIPT AND WEIGHT TICKET NUMBER
KPS-4-228A	SP-439	

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: Bess Mica Miners	SIGNATURE: F. O. Phillips
STREET ADDRESS: Box 776	NAME *(Type or print)*: F. O. Phillips
CITY, ZONE AND STATE: Spruce Pine, N. C.	TITLE *(Type or print)*: Partner

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					$70.00	
GRADES NO. 4 AND 5				1.92	$40.00	76.80
GRADES NO. 5½ AND 6				18.20	$15.00	273.00
STAINED						
GRADES NO. 3 AND LARGER		$12.00			$18.00	
GRADES NO. 4 AND 5		$ 5.00		2.64	$ 8.00	21.12
GRADES NO. 5½ AND 6		$ 3.00		18.20	$ 5.00	91.00
HEAVY STAINED						
GRADES NO. 3 AND LARGER		$ 8.00			$13.00	
GRADES NO. 4 AND 5		$ 4.00		.96	$ 6.00	5.76
GRADES NO. 5½ AND 6		$ 2.00		5.44	$ 3.00	16.32
TOTALS						
LOT TOTALS				47.36		484.00
PROGRAM B - HAND-COBBED MICA						
TOTALS					$ 0.30	

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
Brack Buchanan	s/	Buyer

INVOICE

TO: General Services Administration, Region IV

FOR: Mica delivered as indicated above — $ 484.00

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

SELLER *(Type name)*	DATE
Bess Mica Miners (Bess Mine)	10-21-53
BY *(Signature)*: F. O. Phillips	NAME AND TITLE *(Type)*: Partner

GSA-WASH DC 53-3094

GSA FORM 1013
September 1952

COPY

Mica sold by the Bess Mica Miners
(Bess Mine)

12-30-53

Bought of Bess Gaston Mica Miners--
8500 lbs. scrap mica @ $25/ton $106.25

10-21-53

Spruce Pine Mica Co.

435 lbs scrap mica @ .12¢ 52.20

10-22-53

Spruce Pine Mica Co.

100 lbs. punch @ 12¢ 12.00

$ 170.45

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 6 1954

January 4, 1954

Memorandum

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

From: Executive Officer, DMEA - Region 7

Subject: DMEA-2345, Idm-E 303 (mica), Bess Gaston Mica Miners

I have received the copy of Mr. Mittendorf's letter of December 30 to Mr. Fletcher Phillips, notifying him that certification of discovery will not be issued in connection with the subject exploration contract. This agrees with the Field Team's recommendation.

However, I wonder if it is not premature to close the books and records with respect to this project. Annex II to the contract requires payment of royalty " 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." The Operator recovered about three tons of mica during this period (but after completion of the contract work), as noted in the Field Team final report. We do not know how much the Operator received from this, but estimate its total sale value to have been about $1,000; thus a royalty of $50 or more is due on this production. Although this is but 0.7% of the total amount of the Government's expenditure, it appears that the books should not be closed until this sale has been reported and the royalty paid.

Robert A. Laurence

Robert A. Laurence

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 6 1954

January 4, 1954

Mr. Fletcher O. Phillips, Mgr.
Bess Gaston Mica Miners
Spruce Pine, N. C.

Re: DMEA-2345, Idm-E 303 (mica)
Bess Mine, Gaston County, N. C.

Dear Mr. Phillips:

Although a certification of discovery or development will not be issued as a result of the subject exploration contract, there is a small royalty payment due the Government on mica from the Bess Mine between April 25, 1952 and January 10, 1954, as provided in Item (1) of Annex II to the contract.

Will you please send me, at your earliest convenience, copies of sales records within that period along with your check for 5 percent of the total value of such sales?

Very truly yours,

Robert A. Laurence,
EXECUTIVE OFFICER
DMEA REGION VII

RAL/zm
cc:
Beck
Lynch
Opr. Com.
Files

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 17 1953

December 16, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2345, Mica

Contract Number: Idm-E-303

Applicant: Bess Gaston Mica Miners

Name and Location of Property: Bess Mine, Gaston County
North Carolina

Date of Field Team Supplemental Final Report: November 27, 1953

Date Received by Ceramic and Fertilizer Materials Branch: December 3, 1953

Field Team Recommendation: No certification of discovery or development.

Comments:

1. No mica was encountered by exploration conducted under Amendment No. 2.

2. Total approved expenditures -- $8,300.00
Total cost of project -- 7,561.00
Government's share of cost -- 6,804.90

Recommendation: I concur in the field team's recommendation to deny certification of discovery or development.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 3 - 1953

December 3, 1953

Memorandum

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

From: D. M. Larrabee, U. S. Geological Survey

Subject: DMEA-2345 (mica) Bess Mine, North Carolina.

Final report by Field Team, November 25, recommends no certificate of discovery.

I concur with this.

D. M. Larrabee

D. M. Larrabee

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 30 1953

November 27, 1953

Memorandum

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

From: Field Team, Region VII

Subject: DMEA-2345, Idm E-303 (Mica)
Supplemental Final Report on Bess Mine

Enclosed are original and three copies of the final report on the work conducted under Amendment No. 2 to the subject exploration project.

We do not think that a certificate of discovery is justified. Figures for total value produced during operation are not available. However, we will obtain total value of sales through January 10, 1954, the date before which sales are subject to payment under Annex II of the contract, and will send them in at that time.

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

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

Reviewed by
DMEA OPERATING COMMITTEE
12-4-53
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 30 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

SUPPLEMENT FINAL REPORT

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

ON

DMA-2345, BESS MINE (mica)
Gaston County, N. C.

BY

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

and

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

Reviewed by
DMEA OPERATING COMMITTEE

12-4-53
(date)

November 25, 1953

SUPPLEMENTAL FINAL REPORT
ON
BESS MINE
Docket No. DMEA-2345 (mica)
Contract Idm-E 303
Operator: Bess Gaston Mica Miners, c/o Fletcher O. Phillips
Spruce Pine, North Carolina

The Bess mica mine is 3.5 miles S. 32° E. of Cherryville, N. C., in the western part of Gaston County.

Results of this project have clearly substantiated conclusions reashed from the U. S. Bureau of Mines drilling of the deposit in 1945. It is apparent that almost all of the pegmatite was removed by the mining operation during World War II, and that the remaining pegmatite contains non-commercial mica.

Only the work conducted under Amendment No. 2 and other work done at the Operator's expense is described in this report. Work conducted under Amendment No. 2 consisted of driving a 25-foot crosscut in a S. 5° W. direction from a point in the 113.6-foot drift 15 feet west of the shaft. This crosscut was from the 109.5 foot level. In addition to the crosscut 36 feet of jackhammer drill holes (3-each 12 feet long) were drilled in the roof of the crosscut. No pegmatite was encountered in either the crosscut or the drill holes; only quartzose-mica schist was found.

After the above work was completed the Operator, at his expense, continued the crosscut to 44 feet and drilled a 12-foot test hole in the face. No pegmatite was cut. This work was completed on June 30, 1953.

The Operator followed the above work by driving a 110-foot lateral from the 70-foot level in the shaft, beginning on a 6-8 inch pegmatite stringer. At a point 45 feet from the shaft, a pegmatite ranging in thickness from 2 to 6 feet was encountered. This pegmatite was followed for 65 feet, skirting the north edge of the old workings. About three tons of run-of-mine book mica was recovered from this pegmatite. The mica was soft, badly cracked, and severely ruled. Much of it was mineral stained and contained "A" structure. According to Fletcher O. Phillips, the cost of preparing this mica for sale was about equivalent to the value of the mica.

The operator has abandoned the deposit and filled the shaft as provided in his lease.

Expenditures:

(a) Total approved	$8,300.00
(b) Total cost of project	7,561.00
(c) Government's share of cost	6,804.90
(d) Government's share unexpended	665.10
(e) Value of production during oper.	?

The operation was conducted in a satisfactory manner. No equipment was purchased under the contract.

November 25, 1953

K. H. Teague, Geologist, U.S.G.S.

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

Re: DMEA-2345 - Idm-E-303

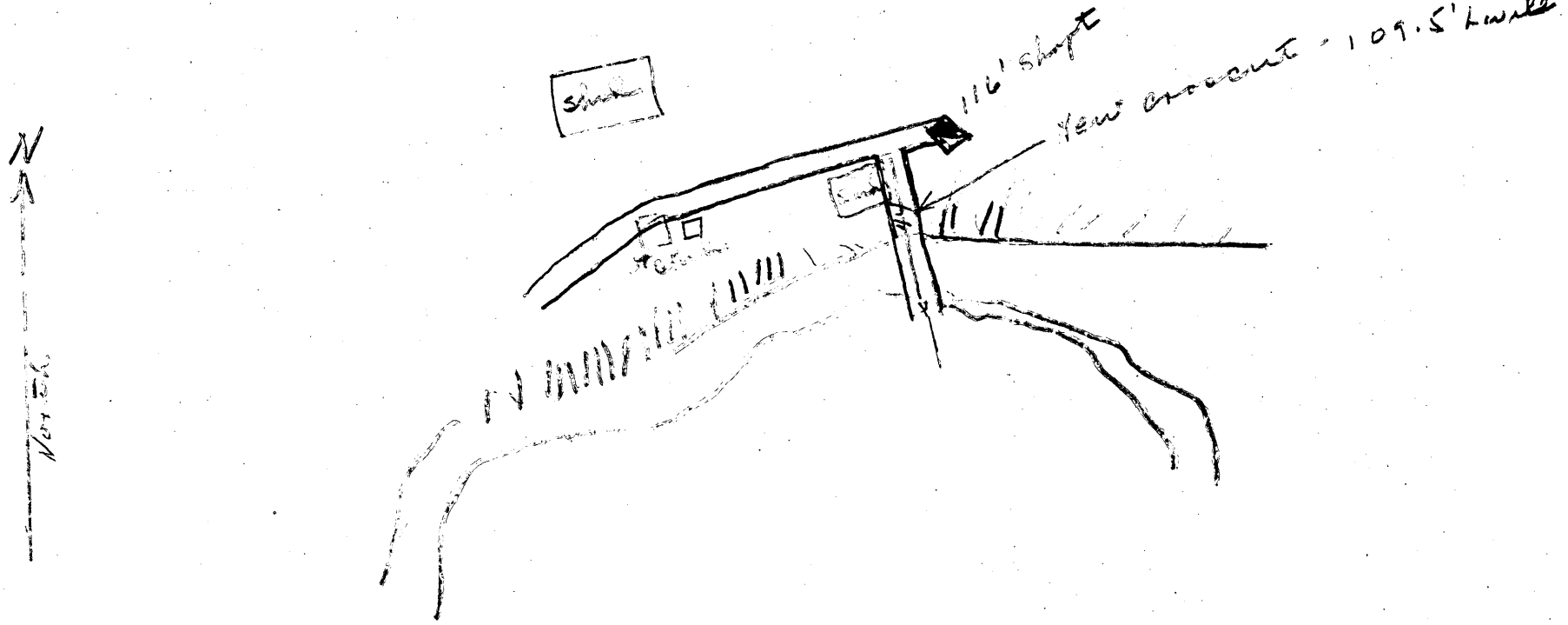
DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
NOV 30 1953

SUPPLEMENT TO FINAL GEOLOGICAL AND ENGINEERING REPORT
COVERING WORK DONE UNDER AMENDMENT NO. 2

WE STARTED OUR DRIFT 15 FEET FROM THE SHAFT IN THE 113.6 FOOT DRIFT AND DROVE DUE SOUTH 10 FEET, AND DRILLED A TEST HOLE 12 FEET AT 45% UP AND FOUND NO PEGMATITE. WE ADVANCED ANOTHER 10 FEET AND DRILLED ANOTHER TEST HOLE 12 FEET AT 45% AND FOUND NO PEGMATITE. WE ADVANCED TO A TOTAL OF 25 FEET AND DRILLED ANOTHER 12 FOOT TEST HOLE AND FOUND NO PEGMATITE. AT THIS POINT WE WERE OF THE OPINION THAT WE WERE NEAR THE NORTH EDGE OF THE OLD WORKINGS, AND DECIDED TO ADVANCE THE DRIFT ON OUR OWN TO SEE IF WE COULD INTERSECT THE OLD WORKS, BUT AFTER ADVANCING TO A TOTAL OF 44 FEET AND DRILLING TEST HOLES WE DECIDED THAT WE WERE UNDER THE OLD WORKINGS. WE FOUND NO SIGN OF PEGMATITE ANYWHERE IN THE NEW DRIFT.

J O Phillips

RECEIVED
JUL 15 1953
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.



Bess Mine

FILE COPY
SURNAME:

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

NOV 24 1953

Houk
Martin
Fitzsimmons
Whitenday

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

Subject: Docket No. DMEA-2345 - Mica
Bess Gaston Mica Miners
Bess Gaston Mine
Gaston County, North Carolina
Contract No. Idm-E303

Dear Mr. Laurence:

Reference is made to your letter of July 10, 1953, to the Operator requesting final geological and engineering report.

This office would be pleased to receive the final field team report on work completed under Amendment No. 2, and either the Operator's final report or the acceptance of the final MF-104 in lieu thereof.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (JHB)

Approved:

J. H. Hedges (JHB)
Member, Bureau of Mines

A. R. Kinkel, Jr. (JHB)
Member, Geological Survey

LGHouk:gad 11/20/53

Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.G. 11-24-53

FILE COPY
SURNAME:
800

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

JUL 2 4 1953

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

Dear Mr. Laurence:

Enclosed are an original and two copies of Reports of Review, covering the reviews in lieu of final site audits, of the following exploration project contracts:

Contract No.	Docket No.	Operator
Idm-E-303	DMEA-2345	~~Bess Gaston Mica~~ Miners Hutcheson Phillips
" 328	" 2416	Yancey Mica Mines, Inc.
" 349	" 2375	Robinson and West
" 425	" 2687	Phillips, Phillips, Carpenter and Mashburn

Also enclosed is the original and two copies of the Interim Audit Report and an original and three copies of the Interim Audit Certificate covering the site audit of Contract No. Idm-E-321, Docket No. DMA-1709, Hale-Georgia Mineral Corporation.

An original and two copies of the Reports of Review for the following projects were given to you by Mr. Talbert during his recent visit to your office:

Contract No.	Docket No.	Operator
Idm-E-420	DMEA-2561	E. L. and R. W. Poston
" 430	" 2524	Buchanan and Buchanan
" 432	" 2557	Anglin and Elkins
" 439	" 2619	A. Ward
" 499	" 2802	Murphy Mining Company
" 513	" 2910	Davis and Berkmeyer

Distribution of these reports and certificates should be made in accordance with the provisions of Sec. 3 to Supl. No. 4 of DMEA Circular 19.

RCN 7-7-53

I wish to take this opportunity to thank you, Mr. Beck, Mr. Gildersleeve, and the personnel of the Bureau of Mines regional office for the cooperation and courtesies extended to Mr. Talbert during his recent visit to Knoxville for the purpose of making these reviews and the audit.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosures

EDTalbert/ama
July 21, 1953

Copy to: Docket
Admr. Reading File
Mr. Chambers
Mrs. Cora Piper

July 10, 1953

Mr. Fletcher O. Phillips
Boss Gaston Mica Miners
P. O. Box 776
Spruce Pine, North Carolina

Re: Docket No. DMEA-2345 - Mica
Contract No. Idm-E-303

Dear Mr. Phillips:

Your final monthly report and voucher has been received by this office and is being held for a final audit by our Auditor who will be here next week.

Please send this office a supplement in quintuplicate to your final Geological and Engineering Report to cover the work done under Amendment No. 2.

Very truly yours,

W. A. Beck for R. A. Laurence
Executive Officer, DMEA
Region VII

cc
Laurence
Lynch
Operating Committee
Files

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

June 23, 1953

Memorandum

To: Operating Committee, D M EA- Washington

From: Executive Officer, D M E A- Region VII

Subject: Amendment No. 2. DMEA-2345, Idm-303 (mica) Bess Gaston Mica Mine rs., N. C.

Transmitted herewith are three signed copies of the above subject amendment. Copies were distributed in the usual manner.

Robert A. Laurence

Robert A. Laurence

coe
6-25

FILE COPY
SURNAME:

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

JUN 9 1953

Houk
Chandler
Hefelmann

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

Subject: Docket No. DMEA-2345 - Mica
Bess Gaston Mica Miners
Bess Gaston Mine
Gaston County, North Carolina
Contract No. Idm-R303

Dear Mr. Laurence:

The original and five copies of Amendment No. 2 to the subject contract, effective March 31, 1953, and signed by the Administrator are enclosed.

Please present the amendment to the Partners for their approval and signatures. If any part of this amendment does not have either your approval or that of the Partners, the original and all copies are to be returned to this office together with the proposed changes for consideration.

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

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

SAFeitler:gad 6/5/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

Approved:

J. H. Hedges
Member, Bureau of Mines (JHB)

A. R. Kinkel, Jr.
Member, Geological Survey (JHB)

Enclosures 6

6-9-53

FILE COPY
SURNAME:

Feitler
Houk

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

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

Subject: Docket No. DMEA-2345 - Mica
Bess Gaston Mica Miners
Bess Gaston Mine
Gaston County, North Carolina
Contract No. Idm-K303

Dear Mr. Laurence:

Please find herewith the original and five copies of Amendment No. 2 to the subject exploration contract which have been signed by the Administrator and dated in this office.

Please present the amendment to the Operators for their approval and signatures. If any part of this amendment does not have either your approval or that of the Operators, the original and all copies are to be returned to this office together with the proposed changes for consideration.

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

Sincerely yours,

Chairman, Operating Committee

Approved:

SAFeitler:gad 6/5/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

Member, Bureau of Mines

Member, Geological Survey

Enclosures 6

Returned 6-5-53

IN REPLY REFER TO:

G-MD-CNM

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

MAY 26 1953

May 22, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2345 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration.
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Bess Gaston Mica Miners
Name of property: Bess Mine
Location of property: 3.5 mi. S. 32° E. of Cherryville, N. C.
Date of field team report: May 11, 1953
Authorship of field team report: Teague and Shirley
Field team's recommendation: Drive crosscut S. from 109.5' level as shown on map.
Comments: This to be an amendment to the contract.

ACTION SUGGESTED: Follow field team's recommendation.

D M Larrabee

D. M. Larrabee

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

May 12, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 14 1953

Memorandum

To: Operating Committee, D M E A - Washington

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

Subject: Final Report , Bess Mine, DMEA-2345, Idm-E303 (mica)
Bess Gaston Mica Miners.

Transmitted herewith are 4 copies of the final report,
* and four copies of the Operator's final report, 6 copies of a recommended amendment No. 2 to subject contract, and 6 extra copies of mine maps.

As indicated in the Final Report no pegmatite or mica was found by this project; however, the field examiners have recommended that a crosscut be driven to further explore the possible pegmatite. The Field Team concurs in this recommendation. If this amendment is approved, the work should be conducted in connection with the present contract.

Robert A Laurence
Robert A. Laurence, Executive Officer
DMEA -Region 7

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

zm

* Operator's final report detached and distributed. 5/14/53. pb

Re: DMEA 2345, Idm-303 Mica

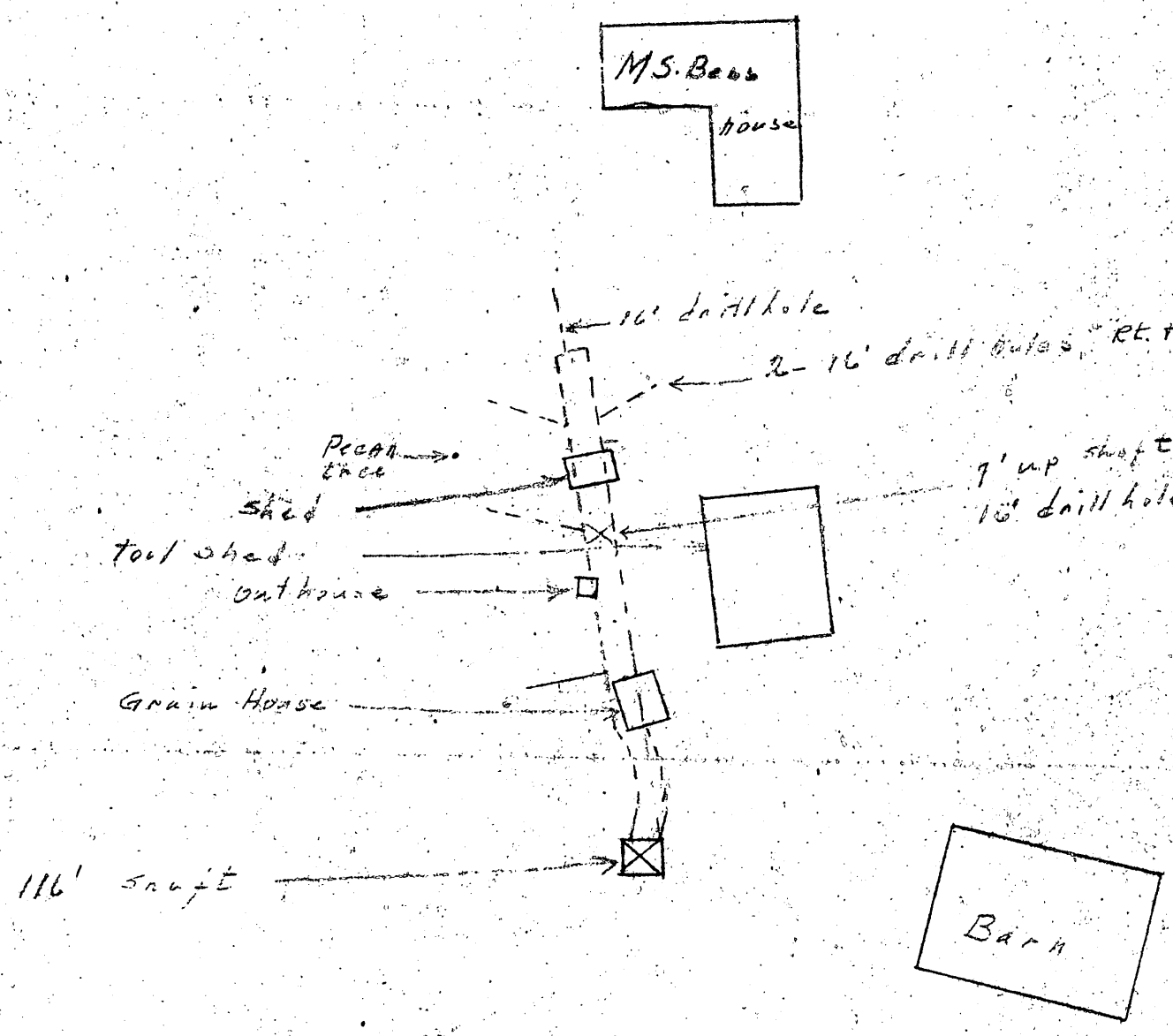
FINAL REPORT ON THE BESS MINE BY OPERATOR

We lowered the shaft as per contract to a depth of 70 feet and went through a small (about 6 ins. thick) pegmatite which carried pieces of mica. Then we went to a depth of 116 feet without finding anything. Then we turned off our drift at 109.5 feet, leaving a 6.5 foot water hole. We drove the drift 113.5 feet without finding anything like pegmatite. At 42 feet we drilled a 15 foot test hole to the left , and at 59 feet we drilled another test hole to the left. At approximately 60 feet we drilled a 10 foot hole down; at 75 feet we drove up in the roof 7 feet, and then drilled a 16 foot test hole. At approximately 90 feet we drilled test holes on both sides 16 feet deep. At the face of the drift (113.5 feet) we drilled one test hole 16 feet deep straight ahead and one angled up at about 45 degrees.

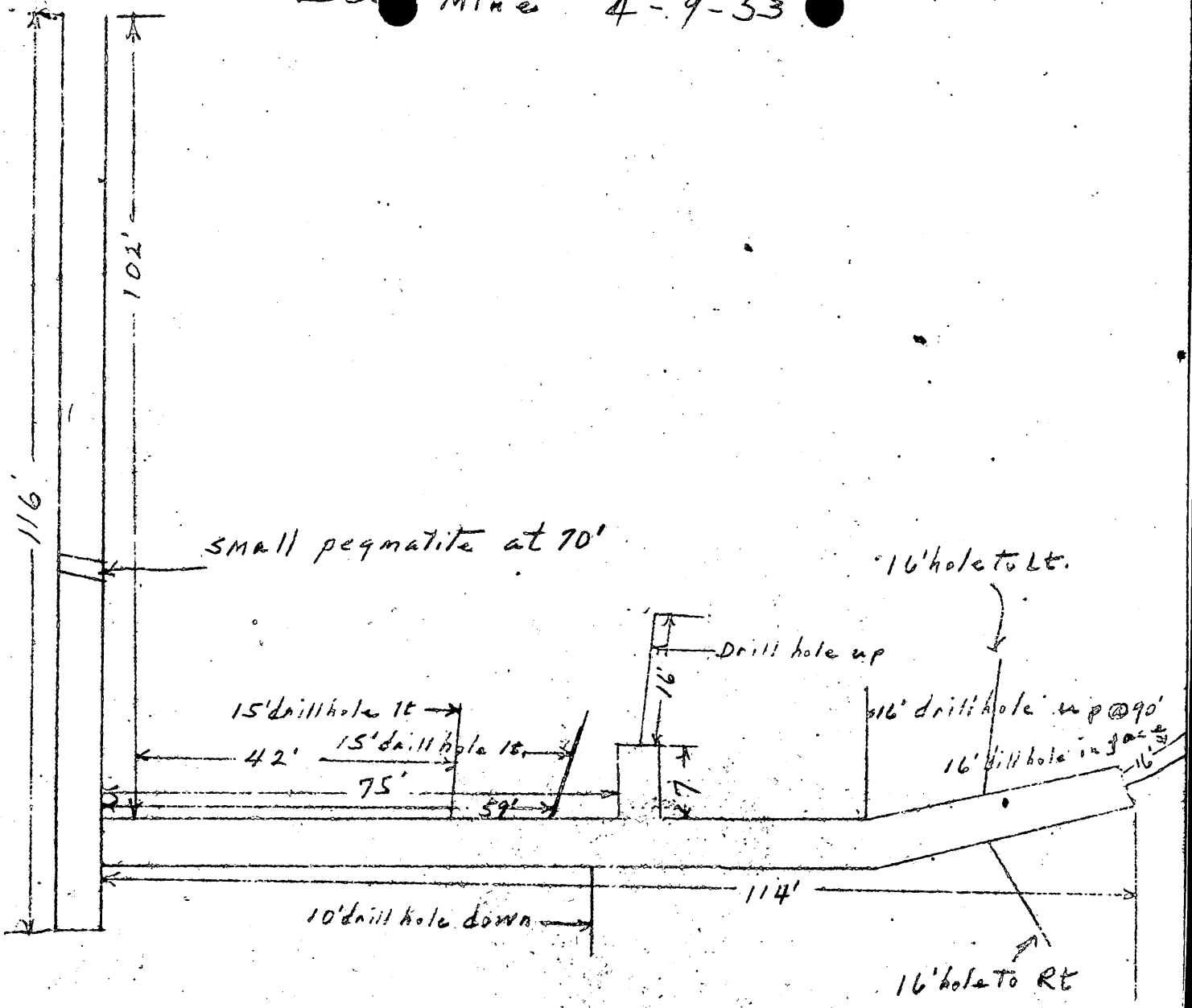
In all the above work we only found pegmatite at the one place in the shaft.

Position of Buildings on the M.S. Bess Property

North →



Bes Mine 4-9-53



UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

on the

BESS MINE- DMEA-2345, Idn-1303
Denton County, N. C.

(mica)

By

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

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

Reviewed by
DMEA OPERATING COMMITTEE

5-22-53
(date)

May 11, 1953

F.T. FINAL RPT.

FINAL REPORT
on
DMEA-2345, Idm-E303-BESS MINE (mica)

Operator: Bess Gaston Mica Miners, Spruce Pine, N. C.
c/o Fletcher Phillips.

The Bess mica mine is 3.5 miles S. 32° E. of Cherryville, N. C., in the western part of Gaston County.

Work conducted under the contract failed to locate any pegmatite or mica. As the project now stands, work completed has added little information to that known when the project started. After the work has been completed, information became available to the field examiners which suggested that unexplored possibilities may exist at this mine. The attached map, especially section B-B' shows this. This section shows that the pegmatite steepens in dip, thus if the pegmatite continues to depth, all work conducted to date has been in the hanging wall. The field examiners, therefore, recommend that a crosscut be driven due south from the 109.5-foot level as shown on the map to positively determine the downward extent of the pegmatite. This work should be conducted as amendment to the present contract.

Work conducted under this contract is adequately described in the attached report by the operator.

The shaft was sunk in quartzose mica schist, containing much pyrite as dissiminated grains and thin seams. At the 70-foot level, the shaft cut a thin pegmatite stringer (6-8 inches thick) which contained mica up to one inch across. The drift to the west is entirely in quartzose mica schist, which strikes about east-west, dipping regularly to the north at about 30°.

Expenditures:

(a)	Total approved	$6,900.00
(b)	Total cost of project.....	6,900.00
(c)	Government's share of cost.....	6,210.00
(d)	Government's share unexpended - none	
(e)	Value of production --none	

The project began May 9, 1952 and was completed March 31, 1953. Some difficulty was experienced by the operator in securing competent labor. In general only minimum safety steps were taken, otherwise, the project was conducted satisfactorily.

No purchases were made under the contract as it was on a unit basis.

May 11, 1953.

Kefton H. Teague, Geologist, USGS

Lawrence E. Shirley, Mining Engineer
USBM

zm

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAY 4 1953

INTERIM REPORT

DMEA-2345 Idm-E303 (mica) BESS MINE

OPERATOR: Bess-Gaston Mica Miners, c/o Fletcher O. Phillips, Mgr., Spruce Pine, North Carolina.

LOCATION: 3.5 miles S 32° E of Cherryville, N. C. and on the east side of the Cherryville-Kings Mountain Highway on the M. S. Bess Farm.

This project has been completed and all footage allowable under contract has been used. Purpose of this visit was to observe progress on a proposed crosscut, at the operator's expense, from the 70 foot shaft level. No work was being done at time of visit and shaft was nearly filled with water. The operator stated that only one round of holes had been pulled, and due to labor difficulties, no additional work would be attempted at this time.

D. M. Larrabee, Commodity Specialist, U. S. Geological Survey, accompanied field examiners on this visit to the mine.

L. E. Shirley

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

K. H. Teague

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

April 22, 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DOCKET COPY

~~WASHINGTON 25, D. C.~~
Room 13, Post Office Building
Knoxville 2, Tennessee

April 10, 1953

Memorandum

To: Mrs. Helen Miller, Administrative Officer
U. S. Bureau of Mines, Knoxville, Tennessee

From: Executive Officer, DMEA, Region VII

Subject: Monthly Reports and Vouchers

Enclosed herewith are three copies each of monthly reports and vouchers for the following exploration contracts:

DMEA-2345	Idm-E-303	Bess Gaston Mica Miners
DMEA-2725	Idm-E-480	Forest City Mining Company

Robert A. Laurence
Executive Officer
DMEA, Region VII

Enclosures

RAL/mg
cc
Beck
Lynch
Files
Operating Committee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DOCKET COPY

~~WASHINGTON 25, D.C.~~

Room 13, Post Office Building
Knoxville 2, Tennessee

April 10, 1953

Mr. F. O. Phillips
Bess Gaston Mica Miners
P. O. Box 776
Spruce Pine, North Carolina

Re: DMEA-2345, Idn-E-303 (Mica)
Bess Mine

Dear Mr. Phillips:

Your March voucher and monthly report have been received, and approved for payment of 90% of $690.00 or $621.00.

This brings the total footage of shaft, drift, and expenditures up to the maximum provided in the contract and the project is therefore assumed to be complete as of March 31, 1953. Will you please send me the five copies of your final engineering and geological report, as specified in Article 5b of the contract, as soon as possible.

Very truly yours,

Robert A. Laurence
Executive Officer
DMEA, Region VII

RAL/mg
cc
Beck
Lynch
Files
Operating Committee

FILE COPY
SURNAME:

Feitler
Houk

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

March 12, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Review of Amendment No. 1, Docket No. DMEA-2345 - Mica
Contract No. Idm-E303
Bess Gaston Mica Miners
Bess Gaston Mine
Gaston County, North Carolina

Purpose: 1) To increase time allowed for completing the contract.
2) To transfer unused funds from shaft sinking to drifting.

Method: 1) Amend Article 3 to allow 12 months instead of 10 months for completion.
2) Reduce authorized depth of shaft by 9 feet and increase length of drift by 12.6 feet by amending "Estimated Cost of the Project" in Exhibit "A" with no increase in total estimated cost of the project.

Recommendation: Concurrence.

Justification: 1) The work was slower than anticipated because the shaft was wet and it was difficult to keep labor on the job.
2) Additional drifting is considered the best way to further exploration by reaching the pegmatite.

Execution: Amendment No. 1 was executed March 3, 1953, in the field by the Executive Officer of Region VII.

/s/
Stanley A. Feitler
Nonmetallic Minerals Division

SAFeitler:gad 3/12/53
Copy to: Admr. R. File
Docket File
Mr. Houk

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 11 1953

March 9, 1953

Memorandum

To: Operating Committee, D M E A-Washington

From: Executive Officer, DMEA Field Team, Region 7

Subject: DMEA-2345, Idm-E303, Bess Gaston Mica Miners. Amendment No. 1

Attached hereto are three signed copy of Amendment No. 1 on the above subject contract. One copy was retained by the operator, one sent to the Finance Officer, and one retained by this office.

Robert A. Laurence
Robert A. Laurence

RECEIVED
MAR 27 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

cac
3-11

zm

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 11 1953

INTERIM REPORT

DMEA-2345 Idm-E303 (mica) BESS MINE

OPERATOR: Bess-Gaston Mica Miners, c/o Fletcher O. Phillips, Mgr., Spruce Pine, North Carolina

LOCATION: 3.5 miles S 32° E of Cherryville, N. C. and on the east side of the Cherryville-Kings Mountain Highway on the M. S. Bess Farm.

This crosscut, which is being driven in an east-west direction, is now at 88 feet. At 78 feet point an inclined stope about 10 feet in length has been driven, in a S 65° W direction, in an unsuccessful effort to pick up a pegmatite body. There has been no appreciable change in material encountered or mineralization in the last 20 feet or from that reported February 5, 1953. Approximately 13 feet of crosscut remains to be driven under existing contract and a time extension amendment will be necessary for completion of the contract.

L. E. Shirley

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

K. H. Teague

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

February 25, 1953

INTERIM REPORT

DMRA-2345 Idm-2303 (mica) BESS MINE

OPERATOR: Bess-Gaston Mica Mineral, c/o Fletcher O. Phillips, Mgr., Spruce Pine, North Carolina.

LOCATION: 3.5 miles S 32° E of Cherryville, North Carolina and on the east side of the Cherryville-Kings Mountain Highway, on the M. S. Bess Farm.

Present crosscut heading is now at 76 feet and is being driven in an east-west direction. At 68 feet from the beginning of this crosscut a small stope has been driven vertically for 6 - 8 feet, at the operators own expense. A very small pod of pegmatite material, barren of mica, was picked up in the east side of this stope. The crosscut heading shows principally biotite schist with some quartz and feldspar as scattered stringer pods, with small amounts of sericite concentrated near these minerals. The operator has been making test holes with extension steel and has gone as far as 17 feet into country rock without picking up any mica bearing pegmatite. This work has also been at the operators own expense and is not covered in the contract.

No steps have been taken by the operator to comply with recent recommendations suggested at time of Safety Engineer's visit.

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

February 5, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1953

MCA 2345

Mr. Fletcher

February 9, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1953

Mr. Fletcher S. Phillips, Mine Manager
Bess Mine (Mica)
Spruce Pine, North Carolina

Dear Mr. Phillips:

Attached is a Safety Inspection Report of your Bess Mine made by Mr. Roy G. Stott, mining health and safety engineer, on January 13, 1953.

Very truly yours,

M. C. McCall

M. C. McCall, Chief,
Accident Prevention and Health
Division, Region VII

cc: R. A. Laurence, Room 13, Post Office Bldg., Knoxville 2, Tenn.
W. A. Beck (3) Room 13, Post Office Bldg., Knoxville 2, Tenn.
F. H. Shuford, State Department of Labor, Raleigh, N. C.
J. L. Fitzgerald, Box 7366, Asheville, N. C.
Director, Defense Minerals Exploration Administration, Washington, D.C.
S. H. Ash
J. Westfield
A. Gabriel
J. R. Thoenen, Bureau of Mines, Tuscaloosa, Alabama
Roy G. Stott
District Office

SAFETY INSPECTION REPORT
BESS MINE (MICA)
(NEAR) CHERRYVILLE, GASTON COUNTY, NORTH CAROLINA

January 13, 1953

By

Roy G. Stott
Mining Health and Safety Engineer

Originating Office - Bureau of Mines
210-12 Social Security Building
Birmingham 3, Alabama
M. C. McCall, Chief
Accident Prevention and Health Division
Region VII

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

SAFETY INSPECTION REPORT
BESS MINE (MICA)
(NEAR) CHERRYVILLE, GASTON COUNTY, NORTH CAROLINA

January 13, 1953

By

Roy G. Stott
Mining Health and Safety Engineer

INTRODUCTION

This report is based on an inspection made at the request of the Defense Minerals Exploration Administration to determine conditions and practices relating to health and safety and to propose recommendations for correcting hazards. The inspection party consisted of Roy G. Stott, mining health and safety engineer, Bureau of Mines, William A. Beck and Laurence E. Shirley, mining engineers, Defense Minerals Exploration Administration and Fletcher O. Phillips, mine manager.

GENERAL INFORMATION

The Bess mine is operated under a partnership of Fletcher O. Phillips, Ernest Crowder and John Phillips and doing business under the name of Bess Gaston Mica Miners. A prospect loan has been granted by the DMEA under Docket No. 2345, Contract Idm 303.

The mine is opened through a vertical shaft located on the farm of M. S. Bess and Georgia Bess along the north side of the Cherryville and Kings Mountain State Highway 274 in Gaston County, North Carolina. The shaft is situated in the barn yard back of the Bess home.

The mine shaft is 5 feet by 7 feet in cross-section and 116 feet deep. A station has been cut out at 109 feet and 64 feet of crosscut driven N80°W. The contract is for 101 feet of crosscut to intersect a flat north dipping and rolling pegmatite vein striking east-west. The shaft is unlined to a depth of about 30 feet then cribbed for about 20 feet then open to the bottom. Solid bedrock was intersected about 35 feet below the surface. Makeshift ladders are suspended (loosely) vertically from the surface to within 7 feet of the station. The shaft is wet.

The surface equipment includes a small gasoline engine-powered derrick hoist, a revolving jib-boom type derrick equipped with 8-inch diameter blocks for hoisting a 900-pound capacity bucket. A 1/2-inch diameter 6 x 19 regular lay hemp-center improved plow steel cable is used for hoisting. A small frame lean-to shed houses the hoist and a wood burning stove. A Schramm gasoline engine-powered 100 cfm portable air compressor supplies compressor air for drilling and ventilation through a 1 inch air hose suspended down the shaft. A 110-volt armored power cable

is suspended down the shaft for the shaft pump and for electric lighting underground. A locked bullet resistant box-type (wooden) magazine is provided for storage of 200 pounds of dynamite, but is located in the open about 150 feet from the hoist and about 130 feet from an improvised type locked detonator magazine. The detonator magazine is situated within 20 feet of the hoist. All drilling is done wet.

All blasting is done electrically through a blasting line suspended down the ladder side of the shaft and near the armored power cable. Reportedly, the power is removed from the pumps and underground lights while connecting the blasting circuit.

Four men are employed at the mine. The three underground employees wear hard hats.

A wheelbarrow is used to transport muck from the face to the shaft.

SAFETY RECOMMENDATIONS

1. A rigid headframe and hoisting sheave should be erected over the shaft to a height of at least 20 feet.

2. The shaft should be solidly cribbed from the surface to the present timbering.

3. A 42-inch high (minimum height) railing should be installed around the shaft opening.

4. A solid partition wall should be constructed between the hoisting compartment and the ladderway. This partition should extend to the shaft station.

5. Shaft ladders should be inclined and staggered at 10-foot intervals extending from the surface to the shaft station. Each ladder should extend at least 36 inches above the landing to provide hand hold while changing from one ladder to the next.

6. The untimbered shaft walls should be thoroughly barred to remove loose rock. Weekly inspection of these walls should be made and loose rock barred down.

7. At least two 6-foot length bars should be provided for use in barring down loose rock.

8. The electric power wires and the blasting line should be kept apart and strung on insulators so as not to touch each other or the shaft walls or the roof, ribs or floor of the crosscut.

9. The switch box, pump motor frame and armor of the cable should be electrically grounded. This ground should be isolated from the power pole line ground wire.

10. All electrical wiring splices should be wrapped with an approved-type insulation.

11. The main blasting line down the shaft should be replaced by an approved-type rubber-covered blasting line. The surface end should be kept twisted together or shunted at all times except when all men are out of the mine and ready to blast.

12. Blower-type ventilation should be provided to within 30 feet of the face.

13. At least 4 wire rope clips should be installed 3 inches apart on the bucket bale attachment. A drop-forged-type thimble should be used on the attachment and the U-side of the rope clips should be installed on the dead side of the rope.

14. Shaft guides should be installed in the shaft and a cross-head should be used in hoisting the bucket. This will keep the bucket aligned in the shaft and greatly reduce "spinning" or untwisting of the cable.

15. The crosscut roof and ribs should have all loose rock barred down daily.

16. The dynamite magazine should be moved to a distance of at least 500 feet from the shaft hoist and the farm buildings.

17. The cap magazine should be located at least 60 feet away from the hoist or farm buildings.

18. The compressed air and water discharge lines should be more securely supported in the shaft.

19. The hoist engine exhaust should be piped outside the hoist house shed.

MISCELLANEOUS

An emergency flashlight is kept underground for use in event of power failure and for lighting when connecting the blasting circuit.

A copy of Bureau of Mines Miners' Circular 53 titled "Accidents from Hoisting and Haulage in Metal Mines" and a copy of Miners' Circular 54 titled "Prevention of Explosives Accidents in Metal Mines" was requested by Fletcher Phillips and will be sent with his copy of this report.

William Beck has assured Fletcher Phillips that an amendment adjustment could be made to his DMEA loan to offset the cost of a shaft headframe and the recommended shaft timbering. The amendment will be taken under advisement following a submittal of the cost estimate by the mining company.

ACKNOWLEDGMENT

The cooperation of Fletcher Phillips and his employees during the conduct of this inspection is gratefully acknowledged.

Respectfully submitted,

/s/ Roy G. Stott
Roy G. Stott
Mining Health and Safety Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
SOUTHEASTERN REGION
REGION VII

OFFICE OF
REGIONAL DIRECTOR

P. O. BOX 217
NORRIS, TENNESSEE

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 8 1953

January 6, 1953

Memorandum

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

From: Administrative Officer, Region VII, Norris, Tennessee

Subject: Monthly Reports and Vouchers

We are enclosing the following monthly reports and vouchers:

Idm-E-303 Bugs Gaston Mica Miners
DMEA Docket No. 2345
8th payment - month of December
Amount $540.00

Idm-E-432 K. L. Anglin and J. K. Elkins
DMEA Docket No. 2557
2nd payment - month of December
Amount $972.00

Idm-E-410 Elk Mica Miners
DMEA Docket No. 2466
3rd payment - month of December
Amount $675.00

Idm-E-314 Fred Arrowood
DMEA Docket No. 1875X
7th payment - month of December
Amount $189.00

Idm-E-444 Robert Palmer
DMEA Docket No. 2646
1st payment - months of November and December
Amount $558.00

Idm-E-407 Fred Wilson and John Van Werry
DMEA Docket No. 2533
2nd payment - month of December
Amount $346.50

Idm-E-439 A. Ward
DMEA Docket No. 2619
2nd payment - month of December
Amount $945.00

Helen R. Miller

H M:AG:hbm
Enclosures
CC: R. A. Laurence
W. A. Beck
Region Files
Day Files

INTERIM REPORT

DMEA-2345 Idm-E303 (mica) BESS MINE

OPERATOR: Bess-Gaston Mica Miners
c/o Fletcher O. Phillips, Mgr.
Spruce Pine, North Carolina.

LOCATION: 3.5 miles S 32° E of Cherryville, North Carolina on the East side of Cherryville-Kings Mountain Highway and on the M. S. Bess Farm.

This mine was visited in the company of F. O. Phillips. Present heading in drift is at 34 feet and is being driven in a N 70° W direction. Drift material consists of biotite schist and some feldspar and quartz stringers. Most of these stringers were noted in the present working face. This project is progressing satisfactorily.

L. E. Shirley

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

December 15, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 5 1952

INTERIM REPORT

DMEA-2345 Idm-E303 (mica) BESS MINE

OPERATOR: Bess-Gaston Mica Miners
c/o Fletcher O. Phillips, Mgr.
Spruce Pine, North Carolina

LOCATION: 3.5 miles S 32° E of Cherryville, North Carolina on the east side of Cherryville - Kings Mountain Highway and on the M. S. Bess farm property.

This mine was visited in the company of Fletcher O. Phillips. Shaft is now down to the 109.5 foot level, at which point they have turned off and just started driving a drift in a N 85° W direction. No pegmatite has been encountered to date. Shaft material consists of fresh biotite schist with minor amounts of quartz distributed throughout. Some pyrite was observed in dump material. This project is progressing satisfactorily.

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

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

October 23, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

for Mr Feitler

INTERIM REPORT

DMEA-2345, (mica)

Bess Gaston Mica Miners,
c/o Fletcher O. Phillips, Spruce Pine, N.C.

BESS MICA MINE, Gaston County, N.C.
Contract Idm-E 303

This property was visited by the undersigned, accompanied by Mr. Phillips on September 29, 1952.

Shaft sinking on this project still is moving slowly, due to the wet condition of the shaft and labor trouble. The shaft was taped and found to be down to 103.5 feet. It was recommended to the operator that he sink to 115 feet and start his drift at 110 feet.

When the project was visited they were still pumping the water that had accumulated over the week-end. The water was down to 70 feet from the top of the shaft. A tape was dropped into the shaft and it was found to be 103.5 feet deep. We were told that there was still some muck in the bottom so it might be a few feet deeper.

The new foreman that was hired the later part of August hit the bottle too much and had to be relieved. A new man is now in charge.

In order to speed up the job and to get into a dry working area Mr. Phillips requested that he be allowed to turn off and drift. He was told to sink to 115 feet and turn off at 110 feet leaving a 5-foot sump. After he gets to 115 feet he will sink a vertical hole with long steel to probe for any pegmatite below. He will also probe with sectional steel from his drift.

The shaft is in hard rock and is standing up well.

K. H. Teague, USGS

Wm. A. Beck, USBM

Oct. 3, 1952

zm

Noted SF 9/7/52

INTERIM REPORT

IMEA-2345, (mica)

BESS GASTON MICA MINERS, GASTON COUNTY,
c/o Fletcher O. Phillips, Spruce Pine, N.C.

BESS Mica Mine, Idm-#303

This property was visited by the undersigned, accompanied by Mr. Phillips on August 25, 1952.

Shaft sinking on this project is moving at a snails pace. This is due to labor turn over caused by the wet working conditions. The man who was supervising the job quit and an entire new organization was starting to work on the day the project was visited.

The shaft was measured and was down to a depth of 88.5 feet an advance of only 6 feet since it was measured on July 30. Ernest Crowder, one of the partners who was supervising the projects in Gaston County, pulled out of the organization on August 23, and the crews quit also. A new superintendent and crew was starting on the job. The new man in charge has had experience sinking shafts, for the Tungsten Mining Company in Vance County, North Carolina.

Mr. Phillips was told that upon the completion of the shaft that it might be a good idea to probe for the pegmatite with sectional steel if he does not cut it in the shaft. He said that he intended to cross cut a few feet and then probe.

August 29, 1952

W. A. Beck

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

Noted SF.
a water ring might be helpful here. SF

FILE COPY
SURNAME:

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

S Feitler
Houk
Norton
Lemmon
F E Johnson

APR 25 1952

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 01, Tennessee

Subject: Docket DMEA-2345 - Mica
Bess Gaston Mine
Gaston County, North Carolina

Dear Mr. Laurence:

Please find herewith your copy of a contract covering the subject exploration project which has been signed by this office for the Government with register number and effective date. All other copies of the contract will be distributed from here.

This is in accordance with today's telephone conversation between you and Mr. Feitler of this office. The Operator's representative has been advised that the Government will exercise its right to choose the exact location of the shaft and will later specify the drifting.

The shaft location proposed by Mr. Fletcher Phillips (see map attached to contract) would, perhaps, be better 30 feet N 50 W of its indicated location. This latter site would be more safely in the solid away from the filled pit, farther west near the area considered to be most favorable, and at the same time not be too close to any existing structures.

A copy of the contract required by the Regional Finance Office will be forwarded directly by the Washington Finance Section.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures - 4
Approved:

J. H. Hedges
Member, Bureau of Mines

D. M. Lemmon
Member, Geological Survey

SAFeitler:mp 4/21/52
cc: Docket File
Operating Committee (2)
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

CL 4/25

FILE COPY
SURNAME:

Feitler
Houk
Norton
Hedges

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

APR 25 1952

Mr. Fletcher O. Phillips, Manager
Bess Gaston Mica Mineral
Spruce Pine, North Carolina

Subject: Docket DMEA-2345 - Mica
Bess Gaston Mine
Gaston County, N. C.

Dear Mr. Phillips:

Attached is your copy of an executed contract for an exploration program on the subject property. It has been signed for you by Mr. C. H. Collins, your attorney in fact.

Please notice that Exhibit "A" of this contract provides that the location and direction of the work shall be specified by the Government and is in accordance with your discussion with Mr. Houk of this office.

Sincerely yours,

4/25

C. O. Mittendorf (for)

Acting Administrator
Defense Minerals Exploration
Administration

SAFeitler:mp 4/21/52
cc: Docket File
Field Team, Region VII (2)
Mr. W. R. Griffith, Box 236, Shelby, N. C.
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

INTERIM REPORT

DMEA-2345, Idm-E303, (mica)

Mr Feitler

BESS GASTON MICA MINERS, a partnership
Gaston County, N. C.

This property was visited by the undersigned on July 30, 1952.

The shaft was measured and was down to a depth of 82.5 feet. The contract calls for a depth of 125 feet. They have sunk but 17.5 feet since the first of the month. The shaft is very wet and the men are working in what might be called rain all the time. There are three men working on the job. Two men in the hole and one man on top. At the time of the visit the superintendent was absent due to the serious illness of his wife.

Recommendations:

None of the men were wearing any safety equipment, they were told that they should at least have on hard hats when working in the shaft.

W A Beck

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

Aug. 1, 1952

R34 ...2

DMEA 23-45

Tel. from C. B. Collins
7/15/52

Relayed from Fletcher Phillips
Bessdorn 78'
not yet in Peg

SF.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 236
Shelby, N. C.
March 22, 1952

Mr. Dan Feitler
Defence Minerals Administration
Washington 25, D. C.

Dear Mr. Feitler:

After your call regarding the mine on the M. S. Bess property in Gaston County, N. C. Mr. Fletcher Phillips, the loan applicant, came down from Spruce Pine. We went out together to measure the line marking the edge of his lease and the position of the buildings. I hope that his participation will eliminate any possible doubt as to the position of the starting point and the line itself. Before leaving the property I marked on the ground the northern limit of the old workings, giving Phillips the meagre basis for the location. He seemed satisfied and marked with a stake where he would like to sink a shaft. The shaft site proposed is indicated on the enclosed map. Mr. Bess was there and agreed that it would be a lovely place for a shaft. There is plenty of dumping space and no nearby structure that could interfere with operations. I refrained from either approving or disapproving the site, pointing out that I was merely getting information to send to "ashington.

Shed A on the map is, I believe the one on the Bureau of Mines "Mica spots" map, and the barn is the larger building on that map. The other features are those that might be used as landmarks.

I hope that the data will permit some disposition of the application.

Copies of the letter and map are being sent to R. A. Laurence.

Sincerely yours

WR Griffitts

Wallace R. Griffitts

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1952

Feitler File

MICA - DMEA-2344 DMEA-2345 March 10, 1952

Mr. Sam Phillips calling Mr. Houk from Spruce Pine, North Carolina

Mr. Phillips: I ran into Mr. Flynt, of Flynt & Keller, a while ago and he asked me to give you a call and see if there (DMEA-2344) chance of getting the application through in the near future.

Mr. Houk: I think the field team report just came in today.

Mr. Feitler: We will get it this afternoon.

Mr. Phillips: That is fine.

Mr. Feitler: If we don't get it this afternoon, I think we will get it tomorrow morning.

Mr. Phillips: We have a man down here that will do them a lot of good, but they said they don't want to push it along too much.

Mr. Houk: We will give it every consideration and I am sure Mr. Feitler will move it as fast as he can.

Mr. Phillips: Fine, thank you. Now on that Best property. My (DMEA-2345) brother is interested in getting some point straightened out.

Mr. Feitler: Your ~~brother~~, Mr. Collins, was in today and I gave the information he wanted. He thinks he can get a 500 foot radius ~~and~~ except the land around the house. He will be underground and he won't have to worry about anything. If he should find a big body of mica under the house, ~~with~~ you will have to support and back fill ~~it~~ the ground.

Mr. Phillips: They will let him go anyway in the world.

Mr. Feitler: I think the approach I suggested to Mr. Collins will work out. You can tell them you are not going to do any damage to the house or the surface at all. Assure them that the house and for ~~and~~ 20 feet around the house will be unharmed. If you do mine under it you can support and back fill.

Mr. Phillips: I will try to get that fixed up while I am down here.

Mr. Feitler: If you will talk to Collins you should not have any trouble about that. You can assure them that you can put it in the lease. That should make them happy.

Mr. Phillips: They are hard people to get anything across to.

Mr. Feitler: You will be safely guarding them. If you do find anything, you will still be able to take it out and not hurt the house.

Mr. Phillips: I will talk to Collins when I am down ~~there~~ here.

Mr. Feitler: He will get in touch with you.

Mr. Phillips: We appreciate anything you can do on the Flynt and Keller project. Thank you.

The above discussion EDMEA 2345 (Bess Gaston) concerns our request that applicant provide a larger area around the exploration work. The lessor envisions an open cut engulfing his house, although the work is to be done underground from a shaft.

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

March 6, 1952

Memorandum

To: Mr. Feitler

From: Mr. Houk

Subject: Bess Gaston

Mr. Sam Phillips and Mr. C. B. Collins called this afternoon in regard to ~~the~~ ~~set-up on~~ the Bess Gaston proposal ~~as~~ a shaft sinking project ~~only~~ 125 feet of timbered shaft about 8x6 with separate man-way compartment at $35 a foot and 75 feet of drifting at $25 a foot. The location of the shaft to be spotted by the field team.

Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

4/2/52
100' of drifting better, as shaft will be somewhat East of where originally intended because of the location of certain wood structures.
SF with L.G.H.

Bess Easton

DMEA 2345
mica
3/3/52

125' shaft at $35/ft $4375=
75' drift at $25/ft 1875=
$6250=

3/3/52
L. G. Hook reports that at conference with applicant, latter said he could do the above work for the amount as stated.
SA

Bess Gaston

DMEA 2345
mica
3/3/52
SF

Rough Est. of Cost
125' shaft plus 75' drift

	Shifts	Cost/shift	Total
35' Overburden	12	$42	$504.
90' Solid	60	42	2520.
75' Drift	38	32	1216.
Powder, bits, tools, hose & fuel			2525
Timber (including headframe and station) at $60/M			1000
Rental -			
210 cfm Compressor 4½ mos. @ $290			1305
Jackhammer 4½ mos. @ $20			90
Depreciation:			
Hoist 5 mos. at $70			350.
Dump Truck 5 mos. at $60			300.
Purchase			
2 sump pumps at 250			500.
1 Centrifugal pump - 5 HP.			400.
2" Pipe - 250 ft at 45¢			115.
1" pipe - 125 ft at 25¢			30
Pipe fittings			80
Bucket			100.
Power lines surface & shaft			400.
Repair parts & misc			150.
Supervision 5 mos. @ $200 (part time)			1000.
Final map & report			150.
			$11,735.

2400

9600

Bess Gaston

shaft only

2345 Mica

3/4/52

SAF.

Shaft	
Labor	$3024.
Supervision	650.
Powder, bits, tools, fuel, & hoses	750.
Timber	1000.
100'-1" pipe & fittings	50.
200'-2" " " "	140.
Bucket	100.
Power lines surface/shaft	400.
2 Sump pumps @ $250	500.
1 Centrif. pump - 5 HP.	400.
Rental	
210 cfm comp. 3 mos @ 290	870.
Jackhammer 3 mos. @ 20	60.
Deprec	
Hoist 3½ mos @ 70	245.
Dumptruck 3½ mos @ 60	210.
Repair parts & misc.	150.
Final report + map	150
	8699.

125 feet — $70/ft.

less:	
Supervision	650
Hoist	245
Truck	210
	1055
1055	1055
	7644 — $61/ft.

Bess Gaston DMEA 2345
Timber mica
2/29/52

For 14' of shaft

Ladder - 18' — 42 b.f. @ 12¢ $5.04

2x6 Platform 2'-6" x 6' — 30 b.f.
2x6 5 pcs Dividers & supports 30 b.f.
1" Partition 14 x 6 84 b.f.
144 b.f.

2" x 6" cribbing
28 x 2 x 14 — 784
928 (+25%) = 1160 @ 6¢ 69.60
74.64

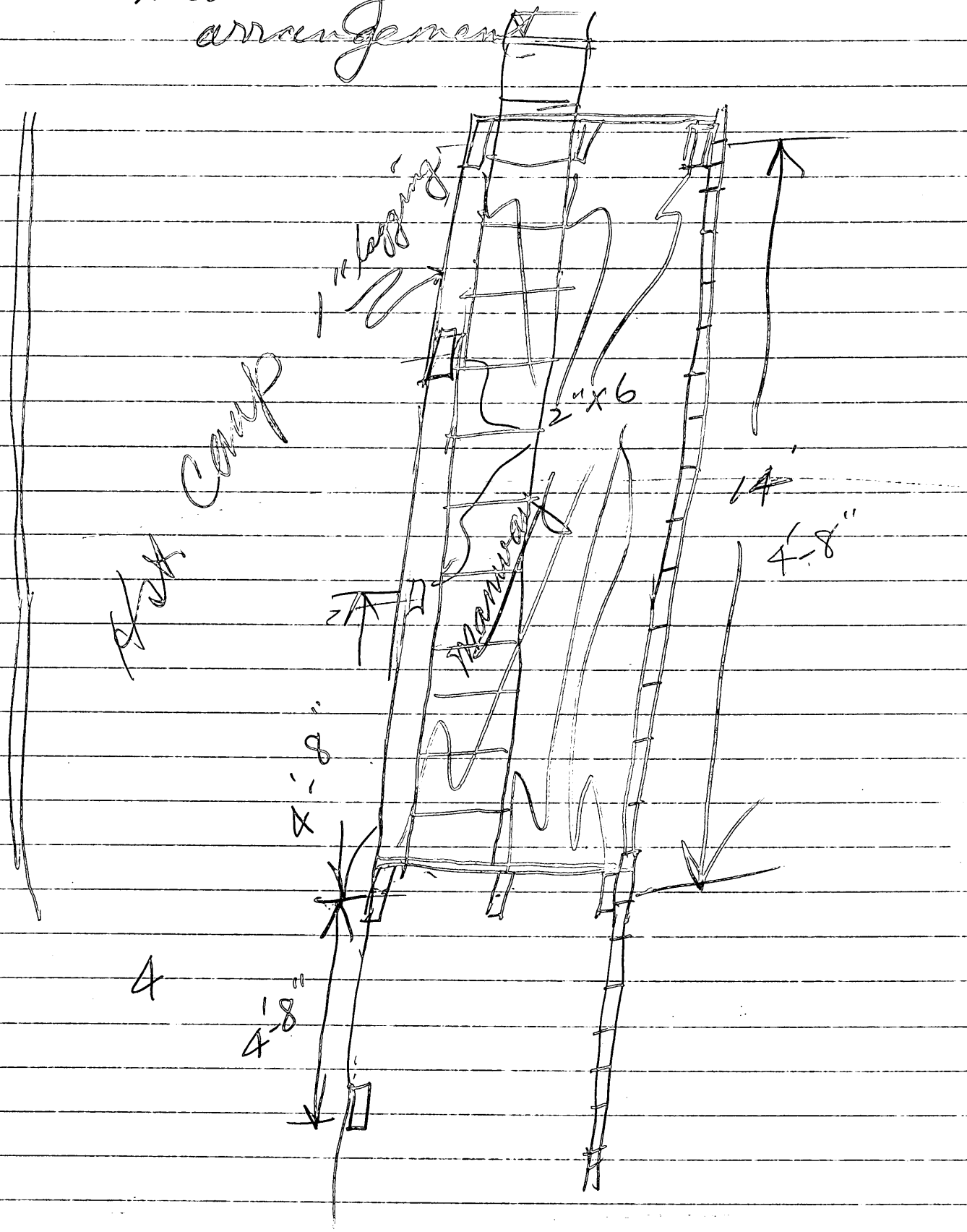
÷ 14 = 5.33/ft x 12.5 ft
66.25

3 Bearing sets - 4 x 6
28 x 2 x 3 = 210 x 6¢ 12.60
Headframe 200.00
Station timber 100.00
978.85

Timber Estimate

2345
mica
2/29/52

Mainway timber arrangement



Bucket
Pump column
Pipe
Wire

35' overburden	3'/day	$42	12 shifts
11 35' solid	1½'/day		78 shifts
			90
			3780
75' Drift	2'/day	$42	38 shifts
			1216
Est labor			$4996
Est Timber			1000
Powder, bits, steel, fuel, etc			5996
			1325
			7321

Supervision
Hoist

11 60
1 45
7 0
1 20
7 45
1 20
7 0
1 20
31

125' shaft 6 x 8

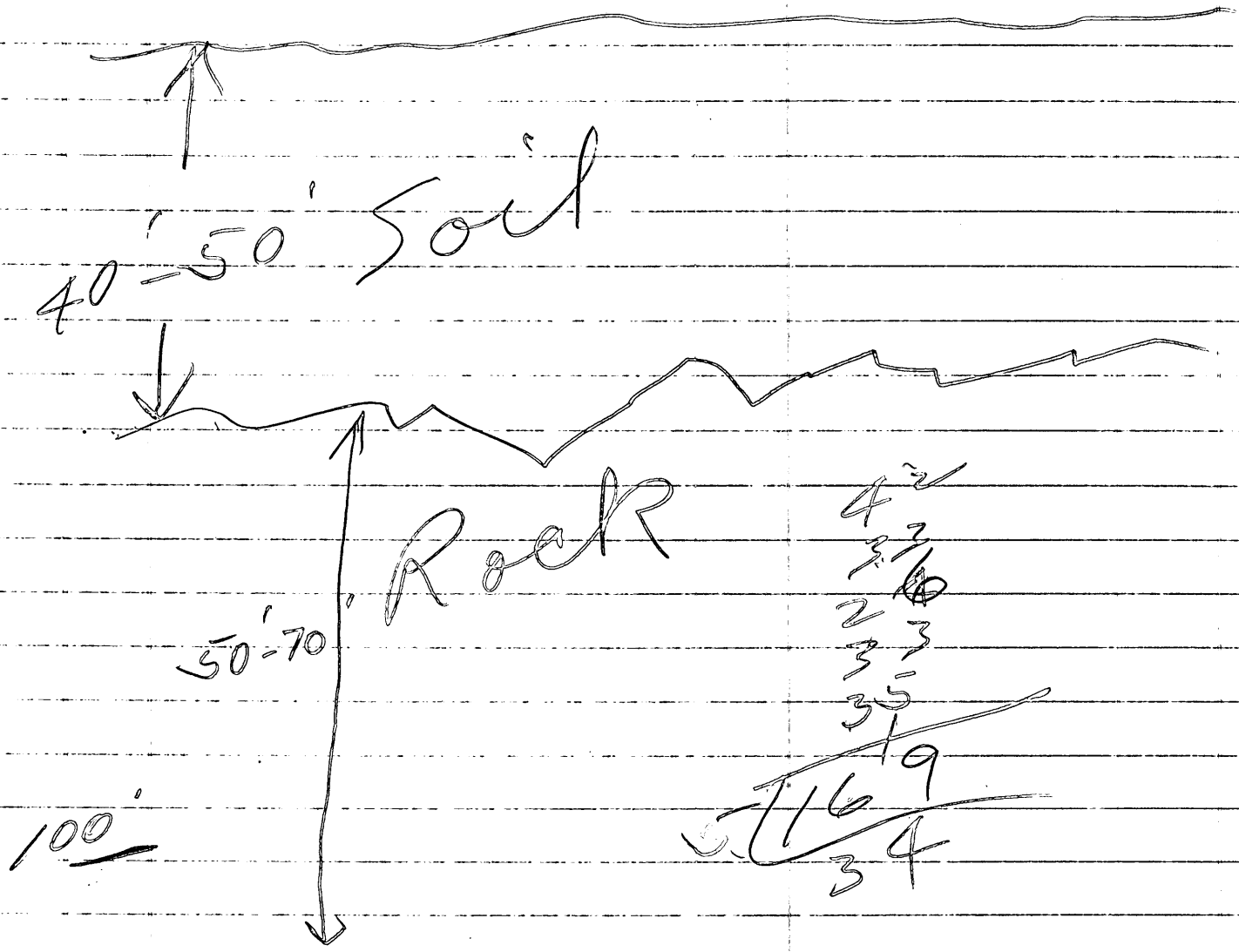
75' drift - $22.50

22' max. betw. sollars

Most. -

5 x 6 3'

self-drilling →


40'-50' Soil
Rock
50'-70'
100'

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

Summary Memo

DMEA-2345 - Mica
Bess Gaston Mine
Gaston County, North Carolina

The subject mine was an excellent producer of strategic mica during World War II when it was worked 100' deep as an open cut. After the war the cut was backfilled.

The reviewer concurs with Mr. Dietrich's opinion that underground work will probably disclose more mica and attain production at lower cost than would additional diamond drilling.

The purpose of the program is to explore for an extention of the mica shoot to the north and northwest of the old pit.

The shaft location proposed by Mr. Fletcher Phillips (see map attached to contract) would, perhaps, be better 30 feet N 50 W of its indicated location. This latter site would be more safely in the solid away from the filled pit, farther west near the area considered to be most favorable, and at the same time not too close to any existing structure.

SAF

Stanley A. Feitler

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

February 13, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-2345: Mica: Bess Gaston Mica Miners (Superceding 1309)

The mine was one of the best domestic producers of strategic mica during World War II. Bureau of Mines drilling toward the end of that period disclosed additional mica at two levels, and an abandoned mine face is known to contain ore of good quality. Applicant's proposal to explore the deposit further by shaft sinking seems reasonable and sound and probably would disclose more mica and attain production at lower cost than would additional diamond drilling

It is recommended that a contract be prepared for this project, subject to such minor adjustments as may be desired by the field team.

W. F. Dietrich

W. F. DIETRICH

IN REPLY REFER TO:
G-MD-DHK

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

February 5, 1952

Memorandum

REVIEW OF APPLICATION DMEA 2345.

To: Non-metallic Minerals Division, DMEA.
From: Donald H. Kupfer, U. S. Geological Survey.
Commodity: Mica.
Applicant: Fletcher O. Phillips (Bess-Gaston Mica Miners).
Name of Property: Bess Mine, Gaston County, North Carolina.
Location of Property: 3.5 miles S. 32° E. of Cheryville.
Applicant's requests: 90% of $7,214.00.
Summary of applicant's proposal:

Sink a shaft 110 feet to the pegmatite. This application was first submitted as DMA 1391, which was denied as a shaft-sinking venture but was considered acceptable if the exploration was by diamond drilling. The applicant refused to do the work by drilling.

Sources of information on applicant's property:
Docket DMA-1391X contains all available data.
Brief description of deposit: See Docket DMA-1391X.
Additional information needed: None.

RECOMMENDATION: Denial.

Reasons for recommendation:

This application contains no data to warrant reconsideration of the proposal. This subject has already been adequately discussed, and complete records will be found in the file or DMA-1391X. See especially a letter from Laurence to Houk dated December 17, 1951.

The applicant's plan for exploring this pegmatite by means of a shaft is quite unacceptable. The principal argument against the applicant's plan is that it is unlikely that any significant, available mica remains in the Bess mine. Therefore, the primary objective of exploration should be to prove or disprove this at a minimum cost. The following statements by W. R. Griffitts bear on this point.

"Several things about the World War II operation are important in considering this application. They are:

1. The only mica shoot in the deposit was mined northward down the dip of the pegmatite dike until the keel was reached on the east side of the mica shoot, effectively terminating operations in that direction. A drift was driven westward along the essentially horizontal keel for an unknown distance, perhaps even to the western edge of the mica shoot.

2. Good large mica books were known to remain in one or two large pillars when the mine was closed. Their value, at a maximum, would be about several thousand dollars at world war II prices.
3. The wartime operators could not find an economically feasible method by which to remove the mica they knew was there, and they believed--with adequate reason--that there was no further downward extension of the deposit.
4. The wartime operation was conducted by a thoroughly competent company and there is no reason to believe that anyone else can do better. The owners and supervisors of the operation, F. B. Hendricks and H. L. Kennedy, are graduate civil engineers with 25 years experience in contracting and road building; which involved much excavation. The foreman, Paul Lancaster, and two of the other workmen were experienced in large scale excavation and had gold-mining experience. This talent was supplemented during the final period of operation by an experienced hard-rock mica miner from Spruce Pine. Thus the operators combined both technical training and operating experience."

"It is exceedingly unlikely that the recent applicant could devise a practical means of extracting the mica through a shaft alongside the mud-filled cut after the former applicants failed when the cut was open.

"It would actually be difficult to defend, against strong objections, the field team's original recommendation for more exploration, as the chances for a discovery are very small. However the exploration was recommended because it was felt that the large past production would lead to repeated consideration of the pegmatite until the discontinuity of the dike in all directions was proved, and that the sooner the mine was proved to be exhausted the better."

Donald H Kupfer

Donald H. Kupfer

EXPLORATION

Subject: DMEA-2345
Re: Exploration Loan
Big Bess

Dated 1-25-52

Mr. Fletcher O. Phillips, Manager
Bess Gaston Mica Miners
Spruce Pine, North Carolina

My dear Mr. Phillips:

This will acknowledge receipt of your application dated January 18, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2345 and referred to the Non-Metallics Division.

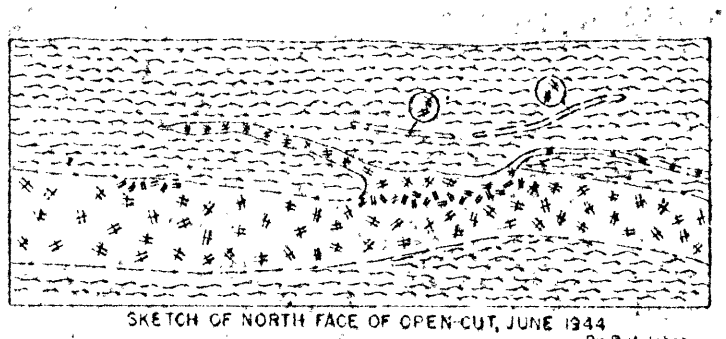
Kindly refer to DMEA-2345 in any future correspondence relating to your application.

Sincerely yours,

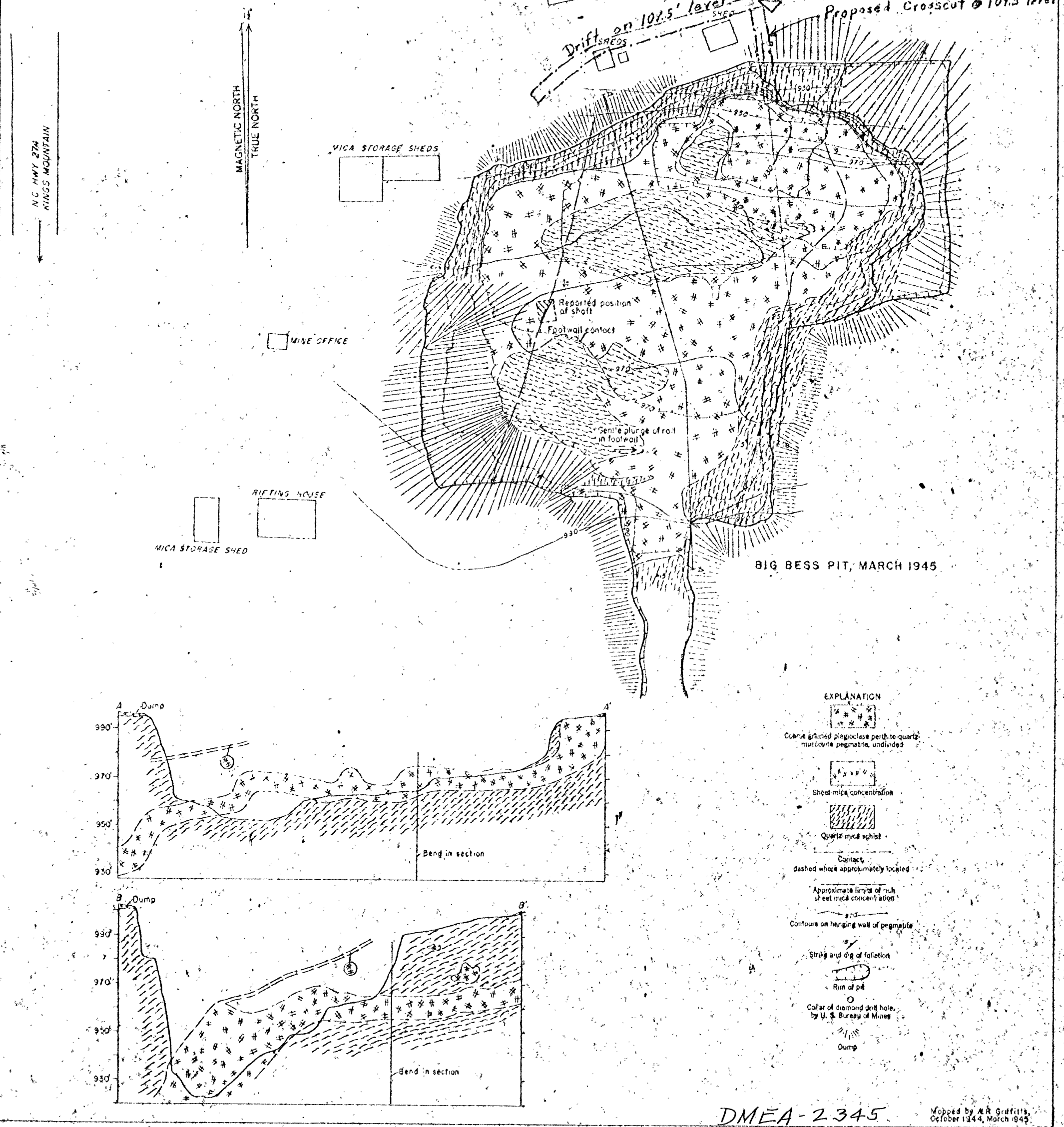
ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862



SKETCH OF NORTH FACE OF OPEN-CUT, JUNE 1944
By R H Johns

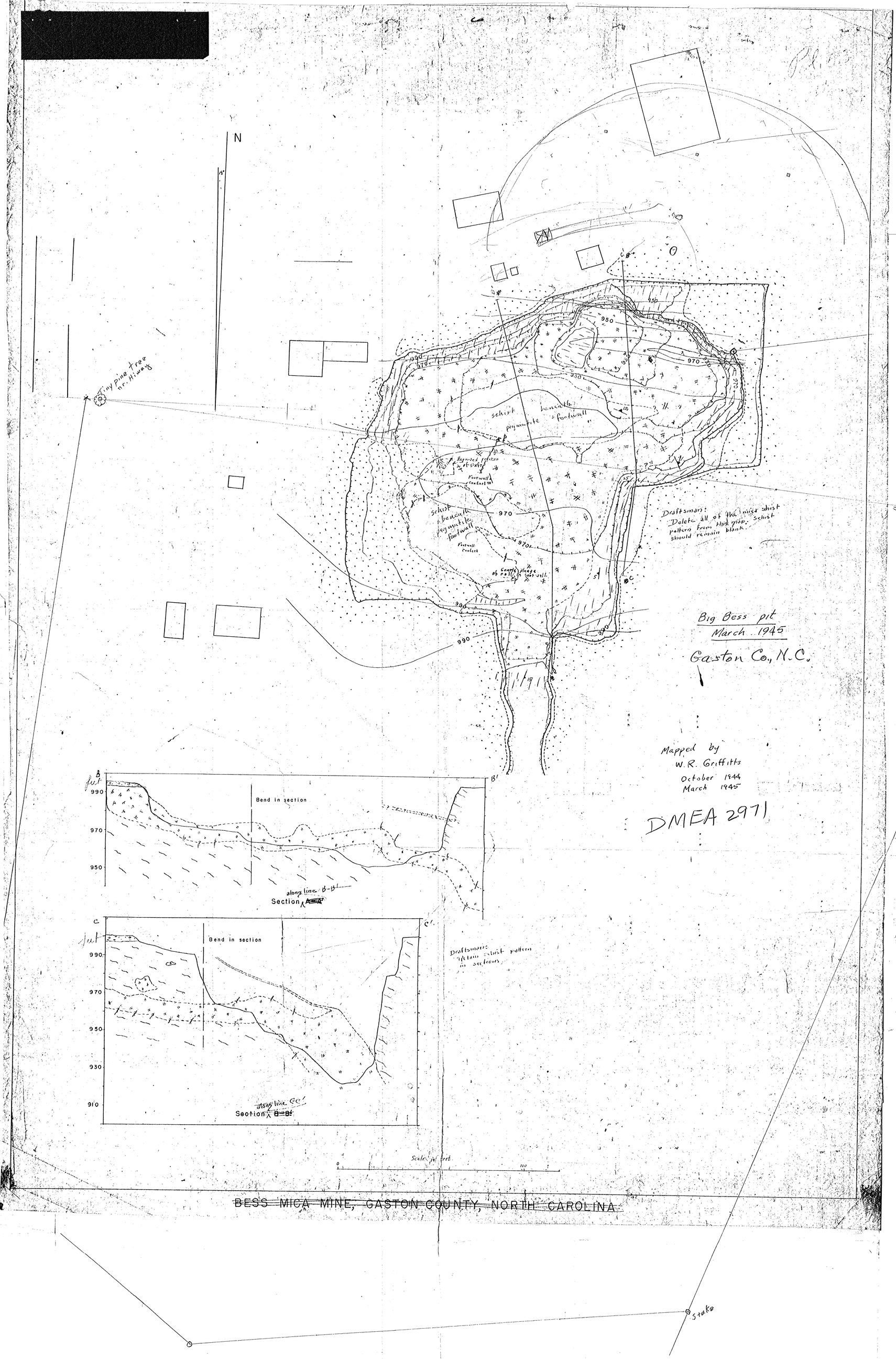


GEOLOGIC MAPS AND SECTIONS OF THE BIG BESS MINE, GASTON COUNTY, NORTH CAROLINA

40 0 120 Feet
Contour interval 10 feet
Datum assumed

236909 O - 53

[redacted]


N
Big Bess pit
March 1945
Gaston Co., N.C.
Mapped by
W.R. Griffitts
October 1944
March 1945
DMEA 2971
Draftsman:
Delete all of the mica schist pattern from this map. Schist should remain blank.
schist beneath pegmatite footwall
Footwall contact
Tiny pine tree nr. Hiway
Sweet gum Tree
Stake
Stake
Concrete tile abutment (culvert?)
S 25 E 500'
S 21 W 457'
950
970
990
930
910
Bend in section
along line B-B'
Section A B-B'
along line C-C'
Section A C-C'
Draftsman:
Retain schist pattern in sections
Scale in feet
0
100
BESS MICA MINE, GASTON COUNTY, NORTH CAROLINA