☑ Audited

☐ Certified

WO[illegible] ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12-9-54
Incl. Voucher for January 54

☐ Actual Cost

☑ Agreed Unit Costs

Name B. R. Mica Co.

Docket No. 2785

State North Carolina

Commodity Mica

Idm-E No. 518

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	190	6,650	190	6 650.00	6,650.00
Raising					
Shafts	80	4400.00	80	4070.00	4070.00
Winzes					
Drilling (Specify)					
Surface Excavation		600.00		128.00	128 00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)					
Totals		11,650.00		10 848.00	10848.00

Prepared by James Hogan

71626

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

B. & R. Mica Company

Burnsville, North Carolina

pertaining to Exploration Project Contract No. Idm-5518, Docket No. DMEA-2785, including Amendments Nos. 1 and 2, for the months of June, 1953 to January, 1954, inclusive, covering a project for the exploration of mica on property known as the Half Moon Mine on the Y. C. Sparks lands, located in Mitchell County, North Carolina.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, verification of the performance of the work by reference to final field team report, 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		$10,848.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$10,848.00

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 Nine thousand seven hundred sixty-three and 20/100 Dollars,

"$9,763.20"

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

E. D. Talbert

E. D. Talbert, Auditor

April 6, 1954

Division Copy

EXPLORATION PROJECT CONTRACT
B & R MICA COMPANY
DOCKET NO. DMEA-2785

AMENDMENT NO. 2

It is agreed this 6th day of January, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and B & R Mica Company, that Exploration Project Contract Idm-2518, Docket No. DMEA-2785, dated May 14, 1953, as amended, is further amended, effective May 14, 1953, as follows:

1. Amendment No. 1 is rescinded.

2. In Article 4 and Exhibit "A" of the contract, the figures "$8,910.00" and "$9,900.00" are hereby changed to read "$10,485.00" and "$11,650.00," respectively.

3. In Exhibit "A":

(a) Under the heading "Description of the work," delete items 3" and "4," and substitute item "3" as follows:

"From the bottom of this shaft, drive not more than 190 feet of crosscut and/or drift 5' x 7' in cross section."

(b) Under the heading "Agreed Unit Costs," change the fourth item to read:

"Crosscut and drift 190 feet @ $35.00/ft. $6,650.00"

4. Annex II, attached hereto, is substituted for the royalty provisions in Article 6 of the contract.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C O Mitteudorf
Administrator, Defense Minerals Exploration Administration

B & R MICA COMPANY

By Walter Bennett
Pres.

Rubin
Hoffman
Hall
Chamberlin

EXPLORATION PROJECT CONTRACT
B & R MICA COMPANY
DOCKET NO. DMEA-2785

Defense Minerals Administration
RECEIVED
JAN 15 1954

ANNEX I I

The following provisions are in lieu of Article ____:

Repayment by Operator.--a. Certification.--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, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. Percentage royalty.--The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2,--(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 this 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 (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

(a) One and one-half ($1\frac{1}{2}$) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(b) One and one-half ($1\frac{1}{2}$) per cent of any such net amounts, plus one-half ($\frac{1}{2}$) per cent 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) per cent 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 ($1\frac{1}{2}$) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half ($3\frac{1}{2}$) per cent.)

c. Definitions.--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 gross income from mining operations for percentage depletion purposes in income tax determination.

d. Lien for Payment.--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.

e. Notice to Purchasers.--The Operator shall notify any purchaser of the production of the Government's royalty interest, and shall authorize and direct the purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets; but failure or refusal by the purchaser to comply shall not relieve the Operator of liability to pay any royalty falling due.

f. No Obligation to Produce.--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.

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

Division Copy

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of North Carolina, County of Mitchell, described as follows:1/

See Description in Annex I attached

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ [illegible] Company

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production (as set forth on the reverse side hereof) and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof, there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom, until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions

Dated this 6th day of January, 1954.

[illegible] [Seal]

Elsie Brysse [Seal]

[Seal]

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

2/ Insert the name of the Operator as it will appear in the exploration project contract.

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

Repayment by Operator.--a. Certification.--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, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. Percentage royalty.--The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2,--(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:

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

(b) 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.)

c. Definitions.--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 gross income from mining operations for percentage depletion purposes in income tax determination.

d. Lien for Payment.--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.

e. Notice to Purchasers.--The Operator shall notify any purchaser of the production of the Government's royalty interest, and shall authorize and direct the purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets; but failure or refusal by the purchaser to comply shall not relieve the Operator of liability to pay any royalty falling due.

f. No Obligation to Produce.--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.

Interior—Duplicating Section, Washington, D. C. 47318

EXPLORATION PROJECT CONTRACT
B. & R. MICA COMPANY
Docket No. DMEA-2785

AMENDMENT NO.1

Contract Idm-E 518, DMEA-2785, dated 14th day of May 1953, between the UNITED STATES OF AMERICA, Acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and B. &. R. MICA COMPANY, of Burnsville, North Carolina, hereinafter called "Operator," is amended, effective July 30, 1953, as follows:

Exhibit "A", items 3 and 4 are deleted and the following is substituted: 5. From the bottom of this shaft, drive not more than 140 feet of crosscuts and drifts, 5' x 7' in cross section.

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 the 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
DMEA REGION VII

B & R MICA COMPANY
By S.M. Robinson

By _____

Rescinded
See Amendment #2

mm

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2735

COMMODITY Mica

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

Division copy
IDM-E 518

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 14th day of May, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] B & R Mica Company, Burnsville, North Carolina, a corporation duly organized and existing under and by virtue of the laws of the State of 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 Mitchell, described as follows:[3] See Annex I and the map attached hereto, made a part hereof, and entitled "Plat of a Tract of Land near Bandana, Mitchell County, N. C., owned by E. L. Briggs, Showing a Mining Lease,"

the Operator represents and undertakes:[4]

[redacted]

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

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

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

in or upon the described land; and shall bring the project to completion within a period of nine (9) 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 $8,910.00, which is 90 percent of $9,900.00, 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.

THE UNITED STATES OF AMERICA

C & R MICA COMPANY
(Operator)

By D M Robinson

By C Mitchendorf
Administrator, Defense Minerals Exploration Administration

Okay
Robin
Hank
Chandler

I, Mark Bennett, certify that I am the secretary of the corporation named as Operator herein; that D. M. Robinson, who signed this contract on behalf of the Operator, was then President 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

EXPLORATION PROJECT CONTRACT
B & R MICA COMPANY
DOCKET NO. DMRA-2785

ANNEX I

The property referred to in Article 2 was leased to the Operator Mud Yates Bennett, Mark W. Bennett, and D. M. Robinson, all officers of the said Corporation, by E. L. Briggs and his wife, Eloise Briggs, by an instrument dated January 16, 1953, as amended February 14, 1953. It consists of that certain tract or parcel of land or lands known as the "Half Moon Mine on the Y. C. Sparks lands," located in Mitchell County adjacent to Abernathy Mica Mine, and near Bandana, North Carolina. It is more particularly described as follows:

> Beginning at an iron stake in the line of the Carolina Mineral Company and running thence a West course with the line of the Carolina Mineral Company 200 feet to an iron stake; thence running a Northerly direction and parallel with the pegmatite vein 300 feet to an iron stake; thence running an Easterly direction 400 feet to an iron stake; thence running a Southerly direction 300 feet to the beginning.

The land described above is part of that certain tract or parcel of land or lands, described in Deed Book 100, Page 136, of Mitchell County, North Carolina, in the conveyance from Nellie Sparks and Y. C. Sparks to E. L. Briggs, dated Nov. 27, 1952.

By an instrument dated April 27, 1953, the aforementioned lease dated January 16, 1953, was duly amended more adequately to describe the property, as follows:

> Beginning on a stake, which said stake is South 10° 30' West 164 feet from a marked 16 inch White Oak in the Carolina Mineral Company's corner, and running thence North 68 East 440 feet to a stake in E. L. Briggs' due East line; thence due East 534 feet with E. L. Briggs' East line to a stake; thence South 68 West 1064.5 feet to a stake in the Carolina Mineral Company's marked line; thence North 10° 30' East 237 feet with the Carolina Mineral Company's line to the point of beginning.

EXPLORATION PROJECT CONTRACT
B & R MICA COMPANY
DOCKET NO. DMEA-2785

EXHIBIT "A"

Description of the Work

The object of this project is to effect exploration at depth for mica shoots in the pegmatite dike previously mined, and in the hanging wall zone (to the west) in parallel pegmatite dikes.

The work described below is indicated schematically on a map entitled "Sketch of Half Moon Mine, Mitchell Co., N. C., DMEA-2785 (Mica)" attached hereto and made a part hereof.

1. Prepare a shaft site by stripping the pegmatite approximately 30 feet along the strike, 50 feet wide, and 20 feet deep.

2. Sink an 80-foot, two-compartment, timbered shaft 5' x 7' in cross section in the pegmatite.

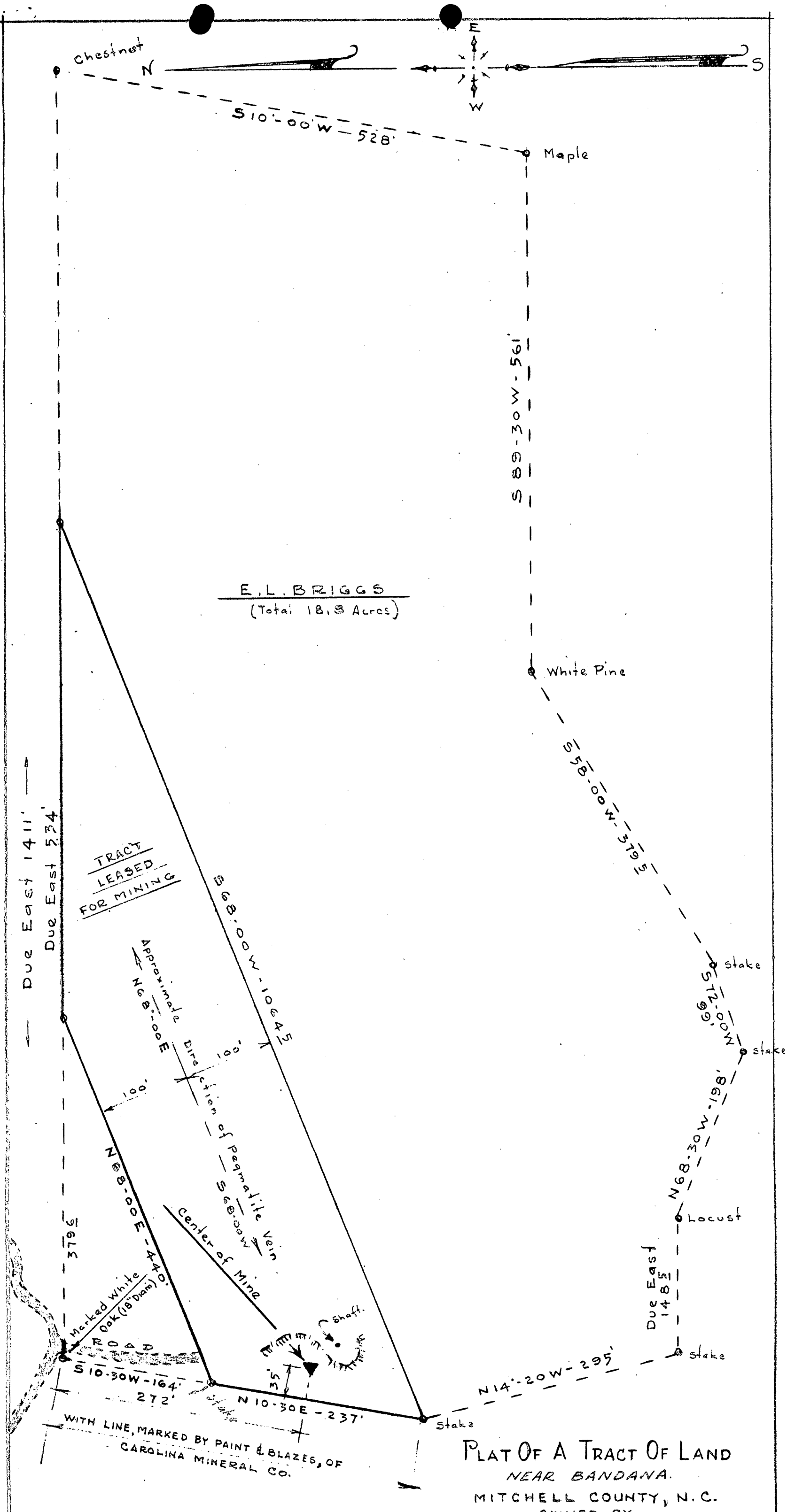
3. From the bottom of this shaft, drive not more than a 40-foot crosscut 5' x 7' in cross section.

4. From the bottom of this shaft or from the crosscut, drift not more than 100 feet 5' x 7' in cross section.

The location, direction, and extent of all work shall be specified by the Government.

Agreed Unit Costs

Bulldoze shaft site, 50 hrs. @ $12.00/hr.	$ 600.00
Sink shaft, 80 ft. @ $45.00/ft.	3,600.00
Timber shaft, 80 ft. @ $10.00/ft.	800.00
Crosscut and drift 140 ft. @ $35.00/ft.	4,900.00
Total Estimated Cost of Project	$9,900.00
Government Participation @ 90%	$8,910.00



PLAT OF A TRACT OF LAND

NEAR BANDANA.

MITCHELL COUNTY, N.C.

OWNED BY

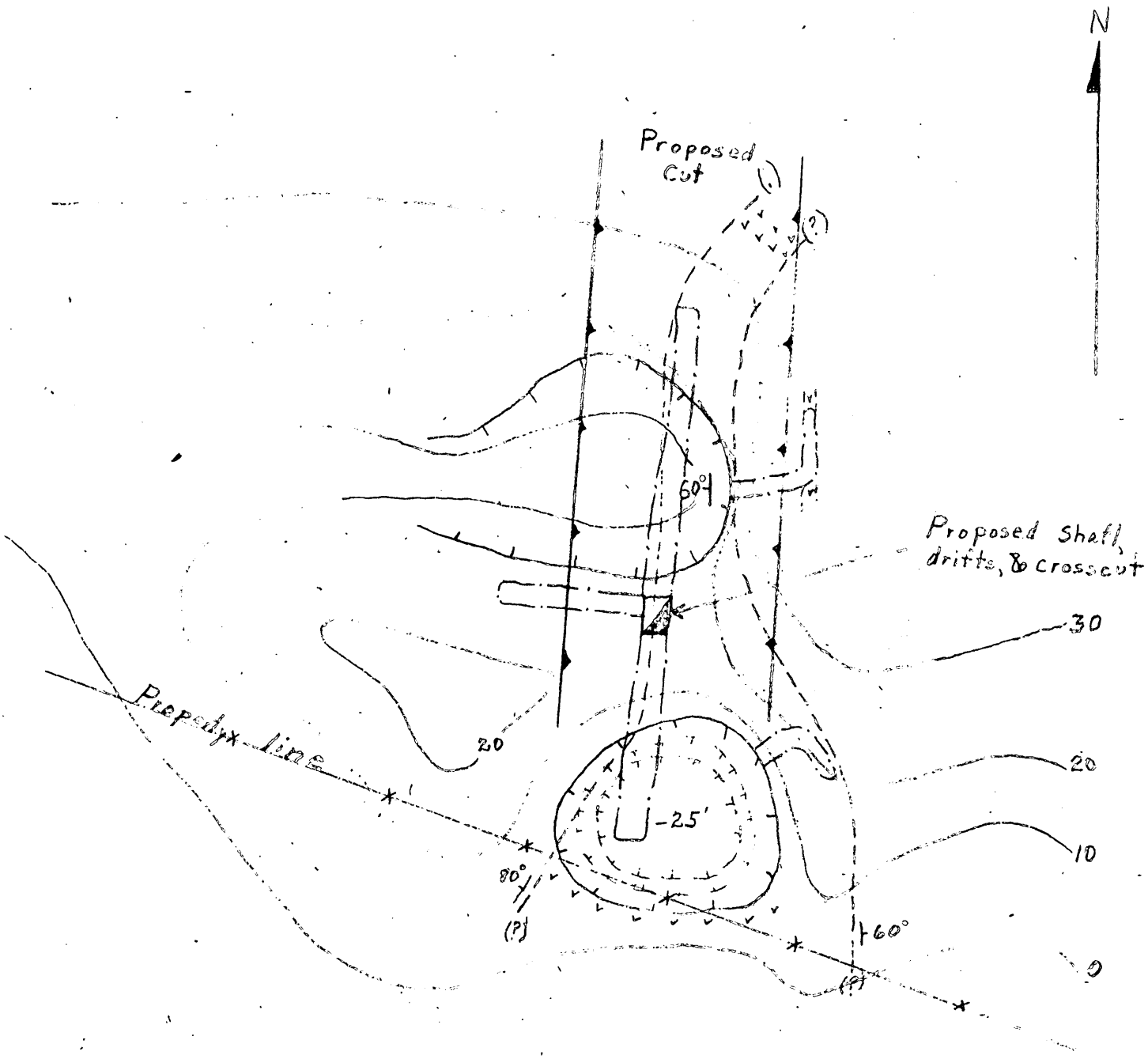
E.L. BRIGGS

SHOWING A MINING LEASE

Scale 1" = 100' April 24th, 1953

D.M. Sholes, Engineer

Burnsville, N.C.



Sketch of
Half Moon Mine
Mitchell Co., N.C.

0 20' 40
Scale

DMEA-2785 (Mica)

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of North Carolina, County of Mitchell, described as follows:1/ HALF MOON MINE

~~See description in Annex attached~~

See description in Annex I attached

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ B. and R. Mica Co.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 8,910.00, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 12 day of November, 195 2.

E. J. Briggs [Seal]

Elsie Briggs [Seal]

[Seal]

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

/ Insert the name of the Operator as it will appear in the exploration project contract.

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

Insert the maximum amount of the Government's contribution.

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 six 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) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent 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) per cent 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) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(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, 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 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.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

Project Summary Report

By: Walter C. Anderson April 2, 1954

1. DMEA Docket No. 2785 - Mica
   Contract No. Idm-E518
   Half Moon Mine
   Mitchell County, North Carolina

   Operator: B & R Mica Company
   Burnsville, North Carolina

   Operator's Property Rights
   Lease for 5 years, dated 10/20/52
   Owner's Consent to Lien, dated 11/12/52

2. Contract - dated 5/14/53
   Work authorized -

Bulldoze shaft site, 50 hrs @ $12.00/hr.	$600.00
Sink shaft, 80 feet @ $45.00/ft.	3,600.00
Timber shaft, 80 feet @ $10.00/ft.	800.00
Crosscut and drift, 140 feet @ $35.00/ft.	4,900.00
Total estimated cost of project	$9,900.00
Government participation @ 90%	$8,910.00

Amendments: No. 1 - 5/14/53 - changes separate items of "crosscutting" and "drifting" to one item of "crosscutting and drifting".

No. 2 - 1/6/54 - rescinds Amendment No. 1, allows 50 feet additional drifting and/or crosscutting, and increases cost of project by $1,750.

Work completed:

1370 cu. yds. bulldozing @ $0.093/cu.yd.	$128.00
Shaft sinking, 80 feet @ $45.00/ft.	3,600.00
Timbering shaft, 47 feet @ $10.00/ft.	470.00
Drifting and crosscutting 190 feet @ $35.00/ft.	6,650.00
Total accepted cost	$10,848.00
Government participation @ 90%	$ 9,763.20

Work began on May 25, 1953, and was completed February 14, 1954.

Geological Survey comments: Mica too small and pegmatites too thin to work.

Bureau of Mines comments: Exploration did not show worthwhile deposit of mica.

3. Audit certification - issued April 6, 1954. (No exceptions)

4. Certification of Discovery - none issued.

5. Comments:

How conducted - This exploration project was an example of blind prospecting. The contract specified that shaft sinking should be done in the pegmatite. The pegmatite bottomed at 3 feet and the remainder of the 80 feet of shaft was in country rock. The contract authorized 40 feet of crosscutting and 100 feet of drifting. It was amended to 190 feet of crosscutting and drifting, after 182 feet of crosscutting and some drifting had been completed. Additional drifting was done by the Operator on his own account.

Operation - Work progress was satisfactory except at times when drilling difficulties were encountered.

Engineering - Reports by Operator were inadequate.

Geological premises - The premise that the geology at the adjoining Abernathy mine would continue in the Half Moon mine proved wrong at the very beginning of shaft sinking, when the pegmatite bottomed at 3 feet. At this point a re-appraisal of the deposit should have been made instead of blindly going down another 77 feet and crosscutting 183 feet in country rock.

Geological criteria -

1. Pegmatite varying in thickness from 10 feet to 30 feet.

2. Occurrence of good quality mica along pegmatite contacts.

Geological criteria developed during the exploration - Pegmatite bottomed at a shallow depth and while probable pegmatites were found their mica content was scant.

Future possibilities - Mica occurrence not sufficient to support a mining operation.

Recommendations:

1. No additional exploration warranted.

2. Concur with field team that no certification be made.

3. Inasmuch as no reply has been received to request for Operator's Final Report it is recommended that no closing letter be sent to the Operator.

WCAnderson:gad 4/6/54

Copy to: Admr. R. File
Mr. Houk

APR 1 9 1954

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

Re: Docket No. [illegible]-2785 (Mica)
E and E Mica Company
Half Moon Mine
Mitchell County, North Carolina
Contract No. I[illegible]-8518

Dear Mr. Laurence:

Reference is made to the final Field Team report on the subject contract upon which the Government spent $9,763.20.

This project is a good example of why exploration work on the Carolina pegmatites, as near as possible, should be started on and confined to the pegmatite. Whenever the work leaves the pegmatite, its direction usually should be changed to avoid extensive exploration in schistose rock.

We now believe, with our current experience in exploring for mica, that more careful planning, both in the field and in Washington, and instructing of the operators regarding the terms of the contracts should result in a higher percentage of successes at less cost than heretofore.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

IGHouk/F.Johnson/gad/bih
4/9/54

cc to: Docket
Admr. Reading File
Operating Committee
Region VII

Messrs. Dietrich - Room 3061
Larrabee - Room 5-232 GSA
Houk
Selfridge
F.Johnson

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

Subject: Docket No. DMSA-2785 - Mica
B & R Mica Company
Half Moon Mine
Mitchell County, North Carolina
Contract No. Idm-8918

Dear Mr. Laurence:

Reference is made to the final field team report on the subject contract upon which the Government spent $9,763.20.

The field team recommended and the contract stated that the 80-foot shaft should be sunk on the pegmatite. The pegmatite apparently bottomed three feet below the collar. The project work should have been re-examined at this point. The sinking of 77 feet in country rock and prospecting from the bottom in the hope of picking up a pegmatite is not good exploration.

Sincerely yours,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

LGHook:gad 4/2/54

Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

400

APR 6 1954

Mr. D. M. Robinson, President
B & R Mica Company
Bannerville, North Carolina

Re: Docket No. DMA-2705 - Mica
Half Moon Mine
Mitchell County, North Carolina
Contract No. Idm-8516

Dear Mr. Robinson:

Reference is made to the narrative portion of your January Monthly Operator's Report.

Please refer to Section (n) of Form MP-104 (Rev.). The narrative statement should be a concise description of the progress made, results accomplished, difficulties encountered, and type of rock penetrated. The extent of pegmatite in the face, and estimate of the amount of mica produced should also be included. We note that you drove 30 feet of drift during the month of January. There seems to be a discrepancy somewhere, since the Field Team reports a total of 282 feet of drifting and crosscutting and 206 feet had been done before January 1, 1954.

It is necessary that you submit an Operator's Final Report which we have not yet received. This report should summarize the work completed, give a statement of the pounds of block mica recovered, and an estimate of the value when shipped, also a record of any mica sales to the Buying Depot.

Sincerely yours,

SIGNED

Lawrence G. Hook, Chief
Nonmetallic Minerals Division

HGAnderson:gad 4/5/54
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Hook

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

March 31, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2785

Contract Number: Idm-E518

Applicant: B & R Mica Company

Name and Location of Property: Half Moon Mine
Mitchell County, North Carolina

Date of Field Team Final Report: March 19, 1954

Date Rec'd by Ceramic & Fert. Mats. Branch: March 29, 1954

Field Team Recommendation:

1. No certification of discovery or development.

Comments:

1. Exploration by 80-foot shaft, 222-foot crosscut and drift.

2. The examiners and operators are of the opinion that the deposit will not support a profitable operation.

3. Four separate pegmatite dikes were encountered but contain small grade, poor quality mica.

4. Exploration did not show any worthwhile deposit of mica.

5. Expenditures -

Total approved	$11,650.00
Total cost	10,848.00
Government share	9,763.20
Value	None

Recommendation:

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

Signed
W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

March 23, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2785 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
from: D. M. Larrabee, U. S. Geological Survey
Applicant: B & R Mica Company, Burnsville, North Carolina
Name of property: Half Moon mine.
Location of property: Mitchell County, North Carolina
Date of field team report: March 18, 1954.
Authorship of field team report: K. H. Teague, L. E. Shirley, and D. H. Amos.
Field team's recommendation:
1. Completion of project.
2. No certification be made.
Comments: Mica O.K. but too small, and pegmatites too thin to be worked.
ACTION RECOMMENDED:
Follow field team's recommendation.

D. M. Larrabee

cc: DMEA 3

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

COPY

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

March 19, 1954

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-2785, Idm-E 518 (mica) Half Moon Mine, Mitchell Co., N. C.
Final Examination Report

Enclosed are four copies of the final report on the subject exploration project.

Although several small pegmatites were cut by the exploratory workings, they do not appear to be commercially workable, and we agree with the examiners' recommendation that certification of discovery should not be made.

/s/ Robert A. Laurence

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

Reviewed by
DMEA OPERATING COMMITTEE
3-26-54
(date)

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 3-26

REFERRED TO:
1. 600
2.
3.
4.

FOR:

- ..... Action
- ..... Approval
- ..... Comment
- ..... Conference
- ..... Consideration
- ..... Filing
- ..... Instructions
- ..... Investigation
- ..... Initials
- ..... Mailing
- ..... Previous correspondence
- Project ..... Recommendation
- ~~Draft~~ ..... Record of .....
- Summary ..... Referring to .....
- ..... Reply for signature of .....
- ..... Rewriting
- ..... Signature
- ..... Suggestions
- ..... Your information

REMARKS: This one looks not much changed as draft. Bless your secretary

Check (X) before the items needing attention.

as says
my 2 5 "

~~ROBERT F. [illegible]~~
Initials of Sender.

GPO 16—63815-1

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

By
FIELD TEAM, REGION VII

On

DMEA-2785, Idm-E 518, HALF MOON MINE
Mitchell County, North Carolina

By

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

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

Dewey H. Amos, Geologist
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
3-26-54
(date)

March 18, 1954

FINAL REPORT
On
DMEA-2785, Idm-E 518, HALF MOON MINE
(mica)

Applicant: B. & R. Mica Company, c/o D. M. Robinson, Burnsville, N. C.

The Half Moon mine is about one mile west of the Bandana Post Office, Mitchell County, North Carolina. It is on the steep slope north of Tow River and 100 feet northeast of the Abernathy Mica mine.

Results from this project do not indicate the presence of a worthwhile deposit of mica. Four thin mica-bearing pegmatites were encountered, but none of them contained sufficient mica to justify further work. No certification of discovery should be issued.

The project began on May 25, 1953 and was completed on February 14, 1954. Work conducted under the contract consisted of 18 hours of bulldozer time in shaft preparation, making of a 5' x 8', 2 compartment shaft to 80 feet, and driving 222 feet of crosscut and drifts from the 76-foot level in the shaft.

The shaft was spotted on a 4-foot pegmatite exposed during shaft site preparation. This pegmatite bottomed 3 feet from the surface and did not reappear in either the shaft or crosscuts. Rock exposed in the remainder of the shaft consisted of weathered to fresh mica schist. Timber was required to 47 feet in the shaft.

The crosscut in a N. 20° W. direction disclosed no pegmatite. It was entirely in mica schist.

The crosscut to the southeast (S. 55° E.) cut three pegmatites and one sheared zone in which some pegmatite occurs. These pegmatites have been given numbers on the attached map, and these numbers are used in the following discussion.

Pegmatite No. 1 is at a point 23 feet from the shaft. It is conformable and from 1 to 1.5 feet in thickness, is composed of plagioclase feldspar, small quartz, and muscovite in sizes less than 2 inches in diameter. The mica is of good quality, but the pegmatite is too thin and the mica too small to be workable.

Pegmatite No. 2 is 18 feet southeast of No. 1. It is in a zone of movement; the mica has been badly sheared and the pegmatite is broken

and smeared. This zone is from 4 to 6 feet thick.

Pegmatite No. 3 is 30 feet southeast of No. 2. This pegmatite ranges in thickness from 9 inches to 30 inches. Mica is distributed at random in the pegmatite. The pegmatite is composed of plagioclase feldspar, scattered quartz, and muscovite mica in books up to 6 inches in diameter occur and the larger books are more numerous in the thicker portion of the intrusion. After driving drifts to the northeast and southwest on this pegmatite, the Operators were of the opinion that the pegmatite would not support a profitable operation.

Pegmatite No. 4 is 31 feet southeast of No. 3. This pegmatite is about 4 feet thick, contains much mica, but it is small and stained with biotite inclusions. It appears that the crosscut intersects the pegmatite near its crest; however, insufficient work was conducted on it to verify this opinion.

All of the pegmatites are emplaced in mica schist and are conformable to the foliation. The wall rock trend from N. 45° - 60° E., dipping from 40° - 60° SE.

Results from this project have shown that in this area ~~the~~ a pegmatite is known to occur 30 feet west of the shaft at the 50-foot level, but it was not encountered in either the shaft or the northwest crosscut. An adit from the adjacent property was driven on this pegmatite at the 50-foot level. Also, the pegmatite on which the shaft was collared bottomed abruptly. None of the four pegmatites cut in the northwest crosscut crop out at the surface.

The operator has not attempted to continue this operation. It is their opinion that the deposit will not support a profitable operation. The examiners are of the same opinion, thus we do not recommend certification.

Expenditures:

(a)	Total approved	$11,650.00
(b)	Total cost of project	10,848.00
(c)	Government's share of cost	9,763.20
(d)	Government's share unexpended	721.80
(e)	Value of production during project - None	

This project was conducted in an efficient and satisfactory manner. The operator was cooperative at all times and followed suggestions well. No equipment was purchased for the project.

March 18, 1954

K. H. Teague and D. H. Amos, Geologists
U. S. G. S.

L. E. Shirley, Mining Engineer, USBM.

Mr. Robinson

C
O
P
Y

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

March 15, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: Amendments to Contracts

Reference is made to your letter of March 11.

The following actions have been taken:

DMEA-2784, Idm-E519, Amendment is being prepared. We have been trying to get the operators back to work on this job.

DMEA-2785, Idm-E518. Completed

DMEA-2840, Idm-E507. Completed

DMEA-2872, Idm-E559. Amendment has been sent to Operator; signed copies not yet returned.

DMEA-2873, Idm-E562. Amendment has been sent to Operator; signed copies not yet returned.

DMEA-2917, Idm-E561. Completed

DMEA-2921, Idm-E548. Amendment sent to you March 10.

DMEA-3008, Idm-E560. Completed.

/s/
Robert A. Laurence
Executive Officer
DMEA Region VII

MAR 11 1954

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

Dear Mr. Laurence:

We wish to call your attention to the following dockets, the completion dates of which may require extension by amendment:

Docket	Contract	Completion date
DMEA-2784	Idm-E519	February 14, 1954
DMEA-2785	Idm-E518	February 14, 1954
DMEA-2840	Idm-E507	February 9, 1954
DMEA-2872	Idm-E559	February 28, 1954
DMEA-2873	Idm-E562	March 2, 1954
DMEA-2917	Idm-E561	March 2, 1954
DMEA-2921	Idm-E548	February 15, 1954
DMEA-3008	Idm-E560	March 2, 1954

In those cases where this will be necessary and you approve, will you please furnish us copies of such amendments.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

WCAnderson:gad 3/3/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

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

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

February 2, 1954

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: DMEA

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

Idn-I-518 — H & R Mica Company
DMEA Docket No. 2785
6th and Final Payment - January
Completion Date: 1/27/54
Amount $1575.00

Idn-I-612 — W. R. Wellman
DMEA Docket No. 3130
3rd Payment - month of December
Amount $324.00

Idn-I-618 — Dixie Mines Inc.
DMEA Docket No. 3132
2nd payment - month of Nov. thru Jan.
Amount $1890.00

Idn-I-640 — Stancil & Jones
DMEA Docket No. 3084
1st payment - month of January
Starting Date: 1/11/54
Amount $351.00

Helen R. Miller

Enclosures 8
hhm
Copies to R. A. Laurence
W. A. Beck
Region Files
Day Files

F-104 (Rev.)
il 1952)

Budget Bureau No. 22-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 January, 1954 Docket No. DMEA 2785 Contract No. IDM E-518
Operator's Name B & R Mica Company Minerals Mica
Address Burnsville, N. C.
Contract Amount, $ 11,650.00 Government Participation: 90 % Amount, $ 10,485.00

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:						
Timber Shaft						
Drilling		470.00	470.00			
Bulldozing		128.00	128.00			
Crosscutting						
Drifting	1,750.00	4,900.00	6,650.00			
Shaft		3,600.00	3,600.00			
(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	1,750.00	9,098.00	10,848.00	1,750.00	9,098.00	10,848.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date January, 1954 *Payee B & R Mica Co.
Per Mark W Bennett Title Sec. & Treas.

*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:
$ 1575.00
Signature Cora A. Piper
(Authorized Certifying Officer)
Date FEB 2 1954 Vou. No. 602
(See other side)

FEB 4 1954

64 x 7 C - 11/27/54 175.00

(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-E518 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Jan. 29, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lamme Title EXECUTIVE OFFICER DMEA REGION VII Date FEB 1 1954

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

IF-104A
(April 1952)

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
FEB 4 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January, 1954 Docket No. DMEA 2785 Contract No. IDM E-518
Operator's Name B & R Mica Co. Minerals Mica
Address Burnsville, 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.	1750.00	50	6,650.00	190	35.00		
Crosscutting								
Raising								
Shafts				3,600.00	80	45.00		
Winzes				470.00	47	10.00		
Drilling: Core								
Churn								
Auger								
Stripping Bulldozing	cu.yd.			128.00		.083		
Trenching								
Test Pits								
Roads and Trails								
		1750.00		10,848.00				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1750.00		10,848.00				

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 January, 1954 Operator B & R Mica Co.

Per Mark W Bennett Title Sec. & Treas.

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

NARRATIVE REPORT FOR WORK COMPLETED ON HALF-MOON MINE DURING MONTH OF JANUARY, 1954

Docket # DMEA 2785 Contract # IDM E-518

The work for the period of January consisted of extending the drift at this mine for an additional fifty feet, and during this period there was no mica bearing vein picked up of any consequence.

In addition to extending the drift, we have worked on some side veins and did not find any mica bearing veins.

RECEIVED
FEB 1 1954
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

600

JAN 25 1954

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

Subject: Docket No. DMEA-2785 - Mica
B & R Mica Company
Half Moon Mine
Mitchell County, North Carolina
Contract No. Idm-E518

Dear Mr. Laurence:

This will acknowledge receipt of six copies of executed new Owner's Consent to Lien for attachment to Amendment No. 2 to subject contract.

We are returning three of the copies for distribution as indicated.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

Enclosures 3

WCAnderson:gad 1/19/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

January 19, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 2 - Docket No. DMEA-2785 - Mica
B & R Mica Company
Half Moon Mine
Mitchell County, North Carolina
Contract No. Idm-E518

The purpose of this amendment is to allow 50 feet of additional drifting along the strike of pegmatites cut in the southeastern crosscut at the 26 and 60 foot points from the shaft.

The Nonmetallic Minerals Division feels that the amendment as written and executed is justified because of the occurrence of considerable strategic mica at these points.

SIGNED
W. C. Anderson
Nonmetallic Minerals Division

WCAnderson:gad 1/19/54

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

C
O
P
Y

January 8, 1954

Mr. D. M. Robinson
B. & R Mica Company
Burnsville, North Carolina

Re: DMEA-2785, Idm-E518 (mica)
Half Moon Mine, Mitchell County, N. C.

Dear Mr. Robinson:

Amendment No. 2 on the subject mine was received from the Washington Office today. We are attaching the six copies of this amendment for signature. Please sign all six copies, keep the one marked "Operator's Copy" and return the original and four copies to this office.

It is also necessary to have a new Owner's Consent to Lien executed, 8 forms are enclosed for the signature of Mr. E. L. Briggs and Eloise Briggs. One copy may be retained for your files, and one should be given Mr. Briggs. Please return the original and five copies to this office.

Amendment No. 1, dated July 30, 1953 has been rescinded as you will note in "1" in Amendment No. 2. Please note this on your copy of Amendment No. 1 in your files.

Yours very truly,

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

600

JAN - 6 1954

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region VII
Room 1[illegible], Post Office Bldg.
Knoxville [illegible], Tennessee

Subject: Docket No. DMEA-2735 - Mica
B & H Mica Company
Half Moon Mine
Mitchell County, North Carolina
Contract No. Idm-[illegible]

Dear Mr. Laurence:

Please find herewith the original and five copies of Amendment No. [illegible] to the subject contract which have been signed by the Government.

If the amendment meets with your approval please get it to the operator for approval and signature. Please note the amendment specifies that Amendment No. 1 (enclosed in your office) is rescinded. This is done to avoid any possible conflict between the two amendments. It will be necessary, however, to have a new check list issued at such time.

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

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey

Enclosures: 6

WCAnderson:gad 1/5/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

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

December 11, 1953

Mr. D. M. Robinson, Pres.
B & R Mica Co.
Burnsville, N. C.

Re: DMEA-2785, Ind-E 518 (mica)
Half Moon Mine, Mitchell Co., N.C.

Dear Mr. Robinson:

We received a request today from our Washington office for additional information needed before a decision can be made on the proposed new work at the Half Moon Mine. This information was sent today, and we hope to have a decision soon.

It is also necessary to prepare an amendment authorizing the change of some of the drift footage to cross cut footage. This was authorized by the Field Team before you did the work, but the amendment was not prepared at that time.

Please sign all six copies, keep one and return the original and four copies to me at your earliest convenience.

Very truly yours,

Robert A. Laurence

RA/zm

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

C
O
P
Y

December 11, 1953

Mr. D, M. Robinson, Pres.
B. & R. Mica Co.
Burnsville, N. C.

Re: DMEA-2785, Idm-E 518 (mica)
Half Moon Mine, Mitchell Co., N. C.

Dear Mr. Robinson:

We received a request today from our Washington Office for additional information needed before a decision can be made on the proposed new work at the Half Moon Mine. This information was sent today, and we hope to have a decision soon.

It is also necessary to prepare an amendment authorizing the change of some of the drift footage to cross cut footage. This was authorized by the Field Team before you did the work, but the amendment was not prepared at that time.

Please sign all six copies, keep one and return the original and four copies to me at your earliest convenience.

Very truly yours,

Robert A. Laurence

December 11, 1953

Memorandum

To: Operating Committee, D M E A- Washington

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

Subject: DMEA-2785, Idm-E 518 (mica) B. A. R. Mica Co. Half Moon Mine

Reference is made to your letter of December 9, requesting additional information concerning the proposed additional work.

After the total footage provided in the contract was completed, the Operator conducted some work on his own in and from the southeastern crosscut. Four pegmatites were cut in this crosscut. These pegmatites are at 26 ft., 41 ft., 60 ft., and 95 feet from the shaft. Short drifts were driven on the 26-foot, 60-foot, and 95-foot pegmatites from the crosscut. The pegmatites contained no strategic mica at 26 feet and 41 feet.

The pegmatite that is 60 feet from the shaft has been explored for about 25 feet on its strike. In the southwest face it is about 9 inches thick and in the northeast face 30 inches thick. It appears to be thickening to the northeast and the size and abundance of mica is greater. The mica is distributed at random in the pegmatite, is ruby colored and of strategic grade. Sizes up to 5 inches across occur. Approximately 200 pounds of mica were recovered from this pegmatite. Additional exploration appears justified.

Please note that this amendment, if approved, should be designated Amendment No. 2, as amendment No. 1 is being prepared in this office to provide for substitution of some cross-cut footage for drifting, as authorized by the Field Team some time ago on the basis of interim field examinations.

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

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

December 11, 1953

Memorandum

To: Operating Committee, D M E A- Washington

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

Subject: DMEA-2785, Idm-E 518 (mica) B. &. R. Mica Co. Half Moon Mine

Reference is made to your letter of December 9, requesting additional information concerning the proposed additional work.

After the total footage provided in the contract was completed, the Operator conducted some work on his own in and from the southeastern crosscut. Four pegmatites were cut in this crosscut. These pegmatites are at 26 ft., 41 ft., 60 ft., and 95 feet from the shaft. Short drifts were driven on the 26-foot, 60-foot, and 95-foot pegmatites from the crosscut. The pegmatites contained no strategic mica at 26 feet and 41 feet.

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Please note that this amendment, if approved, should be designated Amendment No. 2, as amendment No. 1 is being prepared in this office to provide for substitution of some cross-cut footage [illegible] drifting, as authorized by the Field Team some time ago [illegible] of interim field examinations.

Robert A. Laur[illegible]
DMEA Field Tea[illegible]

Wm. A. Beck, fo[illegible]
U. S. Bureau of [illegible]

[illegible]

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

DEC 9 - 1953

Mr. [illegible], Executive Officer
Base Field Team, Region VII
Room 13, Post Office Building
Knoxville 2, Tennessee

Subject: Loan No. DME-2[illegible] (Mica)
[illegible] Mica Company
Mitchell County, North Carolina

Dear Mr. Lawrence:

Reference is made to your memorandum of October 2[illegible], 1953, to the Operating Committee proposing to increase the contract amount by $1,[illegible].00 to permit additional drilling at $35.00 a foot unit cost. The Nonmetallic Minerals Division was unable to contact Mr. Lawrence on his recent visit to Washington to discuss this matter with him.

You will find enclosed a memorandum from the Geological Survey which indicates the additional information which is necessary before deciding whether to grant the additional funds for further exploration. The Bureau of Mines memorandum on the merits of the proposed amendment has not yet been received.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

LGHouk/HCRubin/ema 12-[illegible]-53
Copy to: Adm. R. File
Docket
Op. Comm.
Mr. Thayer
Mr. Hedges
L. G. Houk
H. C. Rubin
J. L. Hoffland
Chron.
Pending.

Enclosures 2

Approved:

J. H. Hedges
Director, Bureau of Mines

T. P. Thayer
Director, Geological Survey

1

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 9 - 1953

December 7, 1953

Memorandum

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

From: Acting Executive Officer, DMEA - Region 7

Subject: Docket No. 2785, Idm-E 518 (mica) B & R Mica Co.
Half Moon Mine, Mitchell County, N. C.

Please refer to our memo of October 26, 1953, requesting that an amendment to the original contract be made providing for 50 feet of additional drift and advise us what action you have taken on this request.

We have had several telephone calls from the Operator who is anxious to go ahead with this work if you approve.

Wm. A. Beck

WAB/zm

Beck

Lynch

Files

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 12-10

REFERRED TO:

1. 600
2.
3.
4.

FOR:

- ____ Action
- ____ Approval
- ____ Comment
- ____ Conference
- ____ Consideration
- ____ Filing
- ____ Instructions
- ____ Investigation
- ____ Initials
- ____ Mailing
- ____ Previous correspondence
- ____ Recommendation
- ____ Record of ____
- ____ Referring to ____
- ____ Reply for signature of ____
- ____ Rewriting
- ____ Signature
- ____ Suggestions
- ____ Your information

REMARKS: File Dist

Check (X) before the items needing attention.

ROBERT E. ADAMS
Initials of sender.

GPO 16—63815-1

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

Defense Minerals Exploration Administration
DEC 7 1953

December 4, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2785, Mica

Contract Number: Idm-E 518
Applicant: B & R Mica Company
Name and Location of Property: Half Moon Mine, Mitchell County North Carolina

Field Team Request:

1. Additional funds in the amount of $1,750

Comments:

1. Contract for this project was sent to the regional office on May 13, 1953.
2. Shaft sinking was completed to a depth of 80 feet on about August 13.
3. Two crosscuts were driven simultaneously through a muscovite-biotite schist. The "northeast" crosscut was driven 69 feet and did not encounter pegmatite material. The "southeast" crosscut was driven 78 feet and a pegmatite dike was encountered that showed mica of good quality.

Recommendation:

I concur in the field team's recommendation that exploration be continued from the "southeast" crosscut. It is suggested the field team present a specific exploration plan and a breakdown of the cost estimate.

[signature]

W. F. Dietrich

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

C O P Y

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

Dear Mr. Laurence:

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

The recent receipt of the Final Field Team report on DMEA 2861, Idm-3542, Wise, Wise and Phillips, has made it possible for a Report of Review to be prepared. Accordingly, the original and two copies of this Report of Review are enclosed for normal distribution in your Region.

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

DMEA-2677, Idm-3435 Crigg & West
DMEA-2859, Idm-3525 Bennett & Johnson
DMEA-2882, Idm-3535 Bowman Bros.

According to our records it appears that DMEA-2840, Idm-587, Stencil & Jones, also has been completed. The narrative attached to the September MF-104 states, under date of September 25, 1953, "That completes the present contract of 165 ft." This same narrative indicates that the footage of advance, authorized by Amendment No. 1 as "adit or raises", included two 16 foot "shafts"(test pits). Therefore, I have two questions on this project. Has the project been completed? Is approval of the shaft work, apparently authorized informally by the Field Team, being formalized by and amendment?

One other contract, i. e., DMEA-2785, Idm-3518, B&R Mica Company, appears to have been completed in October, although the last MF-104 we have received covers the month of September. An interim report (prepared by Messrs. Shirley and Teague), dated October 19, 1953, indicated 80 feet of shaft sinking and 147 feet

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

Your advise on the above questions will be appreciated.

Sincerely yours,

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

EDTalbert/wb
November 16, 1953

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

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

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

127

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAYMENT VOUCHER & SCHEDULE OF PAYMENTS K- 78

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October 1953 Docket No. DMEA 2785 Contract No. IDM E 518
Operator's Name B & R Mica Company Minerals Mica
Address Burnsville, N. C.
Contract Amount, $9900.00 Government Participation: 90 % Amount, $8910.00

RECEIVED NOV 16 1953 Defense Minerals Admin.

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						
Drilling: Zil Timber Shaft		470.00	470.00			
Bulldozing		128.00	128.00			
Crosscutting						
Drifting	1610.00	3,290.00	4,900.00			
Shaft		3,600.00	3,600.00			
(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	1610.00	7,488.00	9,098.00	1,610.00	7,488.00	9,098.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/28/53 Payee B & R Mica Company
Per D M Johnson Title President

*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:

$ 1,449.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date NOV 12 1953 Vou. No. 127

(See other side)

5 161.00

(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-E518 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title DMEA EXECUTIVE OFFICER REGION VII Date NOV 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
NOV 16 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1953 Docket No. DMEA 2785 Contract No. IDM E 518
Operator's Name B & R Mica Company Minerals Mica
Address Burnsville, 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	1610.00	46	4,900.00	140	35.00		
Crosscutting								
Raising								
Shafts				3,600.00	80	45.00		
~~XXXXX~~ Timber Shaft				470.00	47	10.00		
Drilling: Core								
Churn								
Auger								
~~XXXXX~~ Bulldozing	cu yd			128.00	1370	.083		
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1610.00		9,098.00				

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 October 28, 1953 Operator B & R Mica Company

Per D M Robinson Title President

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

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NOV 1 6 1953

NARRATIVE REPORT FOR WORK COMPLETED ON HALF-MOON MINE DURING MONTH OF OCTOBER, 1953

Docket # DMEA 2785 Contract # IDM E-518

The work for the period of October consisted of extending the drift at this mine for a distance of forty-six feet. The work on the above mentioned contract was completed as of October 20, 1953.

During this period there was no mica bearing vein picked up of any consequence, and the drifting has been continued pending formal approval of a contract supplement for additional footage.

Mr Anderson

60

DEPARTMENT OF COMMERCE
Critical Materials
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NOV 18 1953

INTERIM REPORT

LMEA-2785 Idm-2518 (mica) HALF MOON MINE

OPERATOR: B & R Mica Company, Burnsville, North Carolina.

LOCATION: About one mile west of Bandana Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2800 ft. and 100 ft. northeast of "A" Workings" of the Abernathy Mica Mine.

Crosscutting and drifting continues on this contract. Crosscuts to the northeast and southwest total 183 feet. The "northeast" crosscut has been driven 82 feet, but no pegmatite has been encountered to date in this work. No additional work is recommended because of property line interception in this direction. The "southwest" crosscut has been driven 101 feet and has intercepted workable pegmatites at 27, 60 and 81 feet from the shaft. Short drifts to the northeast and southwest from the crosscut on these bodies totals 23 feet. Although the pegmatites at 27 and 60' do not exceed 24" in width they are possible producers of strategic mica. The pegmatite encountered recently at 81' from the shaft is about 5 feet in width and with additional work may prove to be the biggest producer of the three bodies. It was suggested that additional work be concentrated on drifting, if an amendment to the present contract allowing additional drift footage is approved.

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

November 5, 1953

IN REPLY REFER TO:

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

October 28, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2785 (Mica).

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. A. Brobst, U. S. Geological Survey
Applicant: B & R Mica Co.
Name of property: Half Moon Mine
Location of property: 1 mile west of Bandana Post Office, Mitchell County, North Carolina.
Date of field team report: October 26, 1953.
Authorship of field team report: R. A. Laurence and W. A. Beck
Field team's recommendation: Add an amendment to contract Idm E 518 for an additional 50 feet of drift to explore the pegmatites cut at the 26 and 60 foot points in the SE crosscut. This will increase the cost of the project by $1750.

Comments:

Before approving this requested amendment, could any information be supplied by the field team concerning A) the size of the target sought and B) what is the indicated potential of strategic mica in the 2 pegmatites to be explored further?

ACTION SUGGESTED:

Return to the field team for further information.

Copy to: DMEA (3)

D. A. Brobst

EXECUTIVE OFFICER
DMEA REGION VII

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1953

October 26, 1953

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region 7

Subject: Docket No. 2785, Idm-E 518 (mica) B & R Mica Co., Half Moon Mine
Mitchell County, North Carolina

Work as provided in subject contract has been completed. To date three pegmatites have been cut in the southwestern crosscut of points, 26, 37 and 60 feet from the shaft. The 26-foot and 60-foot pegmatites are from 18 to 24 inches thick and contain mica of strategic grade in sizes up to 4 inches across. The middle pegmatite is about two feet thick, but contains non-strategic mica.

No pegmatite has been found in the 79-foot crosscut to the northwest, although the heading has been advanced beyond the point where pegmatite occurs in the upper levels.

The Field Team believes that additional work is justified on two of the three pegmatites found by the southeastern crosscut. It is recommended that an additional 50 feet of drift be provided in the contract to permit additional exploration of the pegmatites cut at the 26 and 60-foot points in the southeastern crosscut.

We recommend that an amendment be prepared for the signature of the Administrator, providing for the additional work at the same unit costs as in the original contract, thereby increasing the total amount by $1,750.00.

EXECUTIVE OFFICER
DMEA REGION VII

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

sm.

EXECUTIVE OFFICER
DMEA REGION VII

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1953

October 26, 1953

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region 7

Subject: Docket No. 2785, Idm-E 518 (mica) B & R Mica Co., Half Moon Mine
Mitchell County, North Carolina

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EXECUTIVE OFFICER
DMEA REGION VII

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

mm.

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

OFFICE OF
REGIONAL DIRECTOR

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 28 1953

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

October 26, 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-518 — B & R Mica Company
DMEA Docket No. 2785
4th payment - month of September
Amount $1606.50

Idm-E-559 — Empire Mica Company
DMEA Docket No. 2872
3rd payment - month of September
Amount $225.00

Helen R. Miller

Enclosures 4

/hbm
Copies to W. A. Beck
R. A. Laurence
Region Files
Day Files

Form [illegible]4 (Rev.)
[illegible]952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ON VOUCHER & SCHEDULE
F PAYMENTS K- 23

115

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPT. OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 30 1953

Month of September, 195 3 Docket No. DMEA 2785 Contract No. DMA 2-518
Operator's Name B. & R. Mica Company Minerals Mica
Address Burnsville, N. C.
Contract Amount, $ 9900.00 Government Participation: 90 % Amount, $ 8910.00

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 Timber.shaft		470.00	470.00			
Bulldozing		128.00	128.00			
Crosscutting						
Drifting	1785.00	1505.00	3290.00			
haft		3600.00	3600.00			
(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	1785.00	5703.00	7488.00	1,785.00	5,703.00	7,488.00

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

Date Sept. 30, 1953 Payee B & R Mica Company

Per [signature] Title President

*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:

$ 1,606.50

Signature Cora A. Piper
(Authorized Certifying Officer)

Date OCT 23 1953 Vou. No. 115
(See other side)

178.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Jm-E518 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Oct. 16, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date OCT 19 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

F-104A
(1952)

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
OCT 28 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Oct. 30 195 3 Docket No. DMEA 2785 Contract No. [illegible]
Operator's Name B & R Mica Company Minerals Mica
Address Burnville, 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.	1785.0	51	3270.00	94	35.00		
Crosscutting								
Raising								
Shafts				360.00	80	45.00		
Winzes Timber shaft	Ft.			470.00	47	10.0		
Drilling: Core								
Churn								
Auger								
Stripping Bulldozing	cu.yd.			1[illegible].00	1370	.83		
Trenching								
Test Pits								
Roads and Trails								
								Total Costs Authorized by Contract
Total Distributed Costs								
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1785.00		7[illegible]0.0				

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. 30, 1953 Operator B.&R. Mica Company

Per D.W. Robinson Title President

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 83-3847

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 20 1953

NARRATIVE REPORT OF WORK PERFORMED AT HALF-MOON MINE FOR MONTH OF SEPTEMBER, 1953

Docket # DMEA 2785 Contract # IDM E-518

The work performed during the month of September was making a drift in each direction from the shaft to try to pick up the mica vein structure.

Some mica stringers were encountered, but of no value or consequence. The total footage for this period was fifty-one feet and worked progressed as satisfactorily as could be expected.

RECEIVED
OCT 19 1953
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

INTERIM REPORT

IMEA-2786 Idm-3538 (mica) HALF MOON MINE

OPERATOR: B & R Mica Company, Burnsville, North Carolina.

LOCATION: About one mile west of Bandana Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2800' and 100' northeast of "A Workings" of the Abernathy Mica Mine.

This contract has been completed, in so far as footage allowable by contract is concerned, without reaching the objective. A shaft was sunk for a total depth of 80 feet and was timbered satisfactorily to the required depth. Crosscuts have been driven to the northeast and southwest from the 76 ft. level for a combined distance of 147 feet. The "northeast" crosscut was driven for 69 feet; none of the work encountered pegmatite material and was driven in biotite-muscovite schist. No additional work appears justified on this crosscut because the proposed location of the target has been passed. The "southeast" crosscut was driven for 78 feet and encountered narrow pegmatites at 26', 37.5' and at 60'. None of these bodies exceeded 24" in thickness, but the 1st and 3rd appear to have possibilities; both contain small mica of good quality. Additional work will be necessary if these pegmatites are to be explored. The Field Examiners believe that the objective can be reached if an amendment is granted allowing this extra drift footage.

Work performed under this contract has been conducted very satisfactorily and the operators have been cooperative at all times.

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

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

October 19, 1953

Mr. Anderson

[illegible] OF THE [illegible]
[illegible] Information
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OCT 16 1903

[illegible]

[illegible]-27.5 [illegible]-510 (Lica) [illegible]

[illegible] Company, Jamesville, [illegible] Pulaski.

[illegible] about one mile west of [illegible] Post Office, [illegible] County. [illegible] steep slope north [illegible] River at an elevation [illegible] ft. and 170 ft. [illegible] of the [illegible] line.

Prospecting operations on this contract [illegible] both crosscuts now total 33.5 feet. Present [illegible] of the Northwest crosscut is at 25 ft., and has been driven in biotite schist with occasional 1" quartz stringers; no potential [illegible] has been encountered to date. The "southeast" crosscut has been driven for [illegible] feet [illegible] at two points. The present face shows from 5 to 6" of rotten [illegible] material containing [illegible] country rock [illegible] biotite-[illegible] schist. Progress on both crosscuts has been hampered by a proper [illegible] of drill steel, which has now been corrected.

It was suggested that the separated shaft may be extended to the shaft bottom in the very near future, replacing the temporary ladders, and that both crosscuts be scaled thoroughly after blasting.

[illegible] Shirley, Mining Engineer
[illegible] Bureau of Mines

[illegible] Vogue, Geologist
[illegible] Geological Survey

October 6, 1903

Mr. Lawrence

INTERIM REPORT

RFC-2755 (DMI-1518 (mica) [illegible] MINE

OPERATOR: B & H Mica Company, Burnsville, North Carolina.

LOCATION: About one mile west of Bandana Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2600' and 100' northeast of "A" Workings" of the Abernathy Mica Mine.

Crosscutting continues on this contract and now totals 80 feet. The "northwest" crosscut is at 44 feet and the present face is in muscovite-biotite schist; no pegmatite has been encountered to date. The "southeast" crosscut is at 36 feet and has been driven principally in schist. At a point 27.5 feet from the turnoff a pegmatite zone from 12-18" in width was picked up, which contained small sizes of muscovite mica. No changes are anticipated in the targets of these crosscuts at the present and driving will continue in the same general directions.

Mr. Robert A. Laurence, Executive Officer of RFC, Region VII, accompanied the field examiners on this visit to the mine.

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

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

September 24, 1953

[illegible]

[illegible]=2735 Idm=1518 (mica) [illegible]

[illegible]: [illegible] ica Company, Burnsville, North Carolina.

[illegible] about one mile west of Bandera Post Office, Mitchell County, [illegible] on the steep slope north of North Toe River at an elevation of 2500 ft. and 100 ft. northeast of "A" workings of the Abernathy Mica Mine.

Crosscutting continues on this contract and the combined footage of the two crosscuts being driven simultaneously is 57 feet. The "northwest" crosscut has been driven in a 20° direction for 34 feet in a muscovite-biotite schist. No pegmatite has been encountered to date. The "southwest" crosscut has been driven for 23 feet in muscovite-biotite schist with an occasional vein of pegmatite and garnet stringers. The mine has made very little recent progress because of drilling difficulties.

It was suggested that the separate partition, ladders and timbers be installed as soon as practicable. A temporary ladder extends to the bottom.

[illegible], [illegible] Engineer
[illegible] Mines

[illegible], Geologist
[illegible] Geological Survey

September 10, 1955

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 21 1953

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

Month of August 31, 1953 Docket No. DMEA 2785 Contract No. IDM 3-516
Operator's Name B & R Mica Company Minerals Mica
Address Burnsville, N. C.
Contract Amount, $ 9900.00 Government Participation: 90 % Amount, $ 8910.00

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:						
Timber Shaft						
Drilling		470.00	470.00			
Bulldozing		128.00	128.00			
Crosscutting						
Drifting	1505.00		1505.00			
Shaft	315.00	3285.00	3600.00			
(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	1820.00	3883.00	5703.00	1,820.00	3,883.00	5,703.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-15

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 8-31-53 *Payee B & R Mica Company
Per Mark W. Bennett Title Sec & Treas

*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:

$ 1,638.00
Signature Cora A. Piper
(Authorized Certifying Officer)
Date SEP 17 1953 Vou. No. 79
(See other side)

3

182.00

(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. Tdm-E518 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.Bm Date Sept. 9, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date SEP 11 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
SEP 21 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 3 195 3 Docket No. DMEA 2785 Contract No. IDX E-518
Operator's Name B & R Mica Company Minerals Mica
Address Burnsville, 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	1505.00	43	1505.00	43	35.00		
Crosscutting								
Raising	Ft	315.00	7	3600.00	80	45.00		
Shafts Timber Shaft	Ft			470.00	47	10.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Bulldozing	Cu Yds			120.00	1370	.093		
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		1820.00		5703.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1820.00		5703.00				

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 8-31-53 Operator B & R Mica Company
By Mark W. Bennett Title Sec & Treas

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

DEPARTMENT OF THE INTERIOR
Bureau of Mines Publication
RECEIVED
SEP 21 1953

NARRATIVE REPORT FOR WORK PERFORMED AT THE HALF MOON MINE DURING MONTH OF AUGUST, 1953

Docket # DMEA 2785 Contract IDM E-518

Work for this month completed the sinking of the shaft for a distance of seven feet so as to complete the eighty foot shaft. The rock encountered in this process was hard, and it was not necessary to do any timbering. After sinking the shaft the drifting was begun, and the total amount of drifting on a 5 x 7 tunnel was for a total distance of forty-three feet. No mica was recovered during this period. The work progressed very rapidly as over two feet per day was made on each working day.

COPY

INTERIM REPORT

AM-2785 Am-1513 (mica) [illegible]

OPERATOR: D & R Mica Company, Burnsville, North Carolina

LOCATION: About one mile west of Kendarm Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2800 ft. and 100 ft. northeast of "A Workings" of the Abernathy Mica Mine.

Crosscutting is under way on this contract and drifts total 37.5 ft. Two cross cuts are being driven simultaneously; the "southeast" heading is at 15 feet and the "northwest" heading is at 22.5 feet. No pegmatite material has been encountered in either drift and both headings show country rock, a tough, muscovite-biotite schist. Some quartz material was picked up at 12 feet in the "southeast" heading.

The mechanical ventilation system has been improved with newer transmission lines and some timbering on the mayway has been accomplished. Progress on this contract is good.

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

August 27, 1953

[redacted]

[illegible]

[illegible]

MINERAL REPORT

MRA-2785 Idn-2513 (mica) [illegible]

OPERATOR: B & H Mica Company, Burnsville, North Carolina

LOCATION: About one mile west of Bandana Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2600 feet and 100 feet northeast of "A workings" of the Abernathy Mica Mine.

Shaft sinking has been completed on this contract to a reported depth of 80 feet. Actual measurement was 75 feet, at which point a turnoff was made to the southeast and a crosscut driven for 10.3 feet in a biotite-muscovite mica schist.

Timbering has been accomplished to about 40 feet, with separated manway, ladders and landings. Temporary ladders are in use from this point to the bottom. The mine foreman stated that the manway will be extended to the bottom within the coming week. Progress on this contract has been good.

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

L. M. League, Geologist
U. S. Geological Survey

August 13, 1953

INTERIM REPORT

[illegible]A-2735 [illegible]-2518 (mica) [illegible]

Company: [illegible] Mica Company, Burnsville, North Carolina

Location: [illegible] miles west of [illegible] Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2[illegible] ft. and 1[illegible] ft. northeast of "[illegible] Springs" of the Abernathy Mica Mine.

Shaft sinking continues on this contract and is now at 71 feet. Material encountered is a fresh, tough mica schist that requires heavy shooting. A new gasoline powered hoist has recently been installed to replace an old hoist which was causing trouble. Mechanical ventilation is being provided to the working space by a No. 6 Buffalo blower. [illegible] ft. of shafting remains to be sunk on this contract. Progress on this project has been good.

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

K. L. [illegible], Geologist
U. S. Geological Survey

July 30, 1953

Form MR 104 (Rev.)
(Apr. 1952)

Budget Bureau No. 42-R103.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ATTACHED ON VOUCHER & SCHEDULE

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July 195 3 Docket No. DMEA 2785 Contract No. IDM-E 518
Operator's Name B & R Mica Company Minerals Mica
Address Burnsville, N. C.
Contract Amount, $ 9900.00 Government Participation: 90 % Amount, $ 8910.00

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		128.00	128.00		128.00	128.00
Crosscutting						
~~Drifting~~ Shaft	1395.00	1890.00	3285.00	1395.00	1890.00	3285.00
Timber	50.00	420.00	470.00	50.00	420.00	470.00
(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	1445.00	2438.00	3883.00	1445.00	2438.00	3883.00

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

Date 7/31/53 *Payee B & R Mica Company

Per Mark W. Bennett Title Sec & Treas

*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:

$ 1300.50

Signature Cora A. Piper
(Authorized Certifying Officer)

Date AUG 13 1953 Vou. No. 45

(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-E518 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Aug. 10, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date AUG 12 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 1[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 3 Docket No. DMEA 2785 Contract No. XDM-2518
Operator's Name B & R Mica Company Minerals Mica
Address Burnsville, 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	Ft	1395.00	31	3285.00	73	45.00		
~~Shaft~~ Timber Shaft	Ft	50.00	5	470.00	47	10.00		
Winzes								
Drilling: Core								
Churn								
~~Auger~~ Reildosing	cu yds			128.00	1370	.093		
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
		1445.00		3883.00				
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 7/31/53 Operator B & R Mica Company

Per Mark W. Bennett Title Sec & Treas

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

NARRATIVE REPORT OF WORK PERFORMED AT THE
HALF-MOON MINE FOR MONTH OF JULY, 1953.

Docket # 2785 Contract # IDM E-518

Work for the month of July consisted of sinking the shaft for a distance of thirty-one feet, with timbering being required for a distance of five feet. The first three days of July the crew made five feet. For the period of July 6-10, eight feet was made. For the week of July 13-17 a distance of six feet was completed. For the period of July 20-24 seven and one-half feet was made, and for the work period of July 25-30, the shaft was lowered an additional three and one-half feet.

There was no mica recovered during this entire period, and some hard rock was encountered.

COPY

INTERIM REPORT

[illegible]-2705 [illegible]-5010 (Mica) [illegible] MINE

LOCATION: [illegible] Mica Company, Burnsville, North Carolina

LAND MINE: About one mile west of Bandana Post Office, Mitchell County, N. C. on the steep slope north of North Rice River at an elevation of 2800 ft. and 100 ft. northeast of "[illegible] workings" of the Alternathy Mica Mine.

Shaft sinking continues on this contract and is now at 69.6'. The bottom is in tough biotite schist and has required heavy shooting. The shaft has been cribbed solid to this depth and a separate manway with staggered ladders and landings extend to about 35 feet.

Progress on this contract has been good. All safety suggestions and other recommendations made have been accepted and complied with.

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

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

July 16, 1963

[redacted] 104 (Rev.)
[redacted] (April 1952)

UNITED STATES
[redacted]EPARTMENT OF THE INTERIO[redacted]
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

PAID ON VOUCHER AND SCHEDULE
[redacted]YMENTS ~~NOR~~ K-3

13

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 30, 1953 Docket No. DMEA 2785 Contract No. IDM-E-518
Operator's Name B & R Mica Company Minerals Mica
Address Burnsville, North Carolina
Contract Amount, $ 9900.00 Government Participation: 90 % Amount, $ 8910.00

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	128.00		128.00			
~~Crosscutting~~ Shaft	1890.00		1890.00	LES		
~~Drifting~~ Timber Shaft	420.00		420.00	LES		
~~Shaft~~	~~2310.00~~		~~2310.00~~			
(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	2438.00		2438.00	2,438.00		2,438.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 6-30-53 *Payee B & R Mica
Per Mark W. Bennett Title Sec & Treas.

*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:

$ 3,194.20

Signature Cora A. Piper
(Authorized Certifying Officer)

Date JUL 15 1953 Vou. No. 13
(See other side)

1st S. 6/2/53 243.80

(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-E578 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawson Title DMEA EXECUTIVE OFFICER REGION VII Date JUL 8 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1953 Docket No. DMEA 2785 Contract No. I-DM-E-518
Operator's Name B & R Mica Co. Minerals Mica
Address Burnsville, 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~~ Shaft	FT.	1890.00	42	1890.00	42	45.00	80	45.00 LES
~~Crosscutting~~ Timber Shaft	FT.	420.00	42	420.00	42	10.00	80	10.00 LES
Raising								
~~Shafts~~	~~Ft~~	~~2310.00~~	~~42~~	~~2310.00~~	~~42~~	~~55.00~~		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping ~~Bull Dozing~~	Cu yds	128.00	1370	128.00	1370	.093 LES		
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2438.00		2438.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2438.00		2438.00				

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.

REMARKS:

Date June 30, Operator B & R Mica Company
Per Mark W. Bennett Title Sec. & Treas

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

NARRATIVE REPORT OF THE WORK PERFORMED AT THE HALF MOON

MINE BY THE B & R MICA COMPANY.

Docket No. DMEA 2785 Contract No. IDM-E-518

Work began on June 2, 1953 with the moving in of the equipment and the building of shed for the hoist and a tool house. By the fifth a depth 6 feet was obtained and the shaft had cut out of the exposed pegmatite that was found on the surface. No more pegmatite was encountered throughout the present depth of the shaft. The second week the shaft was sunk 12 feet through fairly hard rock, but it was timbered all of the way. Work was resumed on the shaft the 16th and on the evening of the 20th they had sunk the shaft a distance of 13 feet. From June 22 through June 26 a distance of 8 feet was obtained, and due to the fact that the dump could not be spread in a satisfactory a truck was rented to carry the dump away. On June 29 and 30 the shaft was sunk 3 feet and the walls began to soften up. This made a total depth for the month of 42 feet in a 5 X 8 two compartment shaft timbered all the way down. This measurement was taken from the surface obtained after 16 hours of bulldozing off the overburden.

INTERIM REPORT

IMEA-2785 Idn-2515 (mica) HALF MOON MINE

OPERATOR: B & R Mica Company, Burnsville, North Carolina

LOCATION: About one mile west of Bandana Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2600 ft. and 100 ft. northeast of "A Workings" of the Abernathy Mica Mine.

Shaft sinking continues on this project and is now down to 39.5 feet, having been cribbed to about 37 feet. Ladderways and platforms have been installed with the exception of the last section. Material encountered, since last report, is a hard mica schist that requires drilling and shooting.

Progress on this contract is satisfactory.

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

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

June 29, 1953

INTERIM REPORT

IMEA-2785 Idm-6518 (mica) MALD BOOM MINE

OPERATOR: B & N Mica Company, Burnsville, North Carolina

LOCATION: About one mile west of Sandana Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2600 ft. and 100 ft. northeast of "A Workings" of the Abernathy Mica Mine.

Shaft sinking has begun on this contract and is now down to 25 feet. The cross sectional opening is 5' x 7' and the shaft has been cribbed solid with 3" x 6" sawed timbers to present depth. A separated manway has been installed; ladders have been constructed, but not hung. Material encountered for first three feet was pegmatite but remaining footage has been in country rock, a mica schist.

Equipment on the job consists of a straight leg and boom pole as hoisting frame, gasoline powered hoist and a new 105 c.f.m. air compressor with hammer, drills, etc. The hoist and compressor are housed and powder and detonator magazines have been constructed.

Progress on this project has been good.

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

June 18, 1953

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

Contract expires 7/1/53 see pay on the page

noted 7/2/53

[illegible] REPORT

[illegible]-2735 Id.-n513 (mica) [illegible]

COMPANY: B. & R. Mica Company, Burnsville, North Carolina

LOCATION: About one mile west of Bandana Post Office, Mitchell County, N. C. on the steep slope north of North Toe River at an elevation of 2800 ft. and 100 ft. northeast of "A Workings" of the Abernathy Mica Mine.

This project began on May 25, 1953. Preparation of a shaft site by bulldozing has been completed and required approximately 13 hours of machine work. The bulldozer work exposed some pegmatite material and several pieces of muscovite mica were picked up during the operation.

Location of the shaft was made and shaft sinking will begin in the very near future.

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

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

June 1, 1953

noted 6/18/53 SF

600

MAY 1 4 1953

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

Subject: Docket No. DMEA-2735 - Mica
B & R Mica Company
Half Moon Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

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

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

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

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Approved:

J. H. Hodges

Member, Bureau of Mines

T. P. Thayer

Member, Geological Survey

Enclosures 6

SAFeitler:gad 5/11/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

UNITED STATES 140
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

April 2, 1953

Memorandum

To: The Administrator
Through: L. G. Houk

From: Chief Counsel

Subject: B & R Mica Company, DMEA-2785

There is attached in satisfactory legal form for execution, a contract covering the above-described project, subject to the attachment of a map which shall be referred to in Annex I, and which shall indicate the lands conveyed from Nellie and Y. C. Sparks to E. L. Briggs and delineate that portion thereof leased to the Operator and described by metes and bounds in Annex I. This is necessary because there is no way of telling where there is located the "iron stake in the line of the Carolina Mineral Company" which begins the description.

/S/ Alex Kane
for J. L. Hofflund
Chief Counsel

Attachments

Above done - 5/8/53

APR 7 1953

Mr. D. M. Robinson, President
D & R Mica Company
Burnsville, North Carolina

Re: Docket No. [illegible]-2745 - Mica
Half Moon Mine
Mitchell County, North Carolina

Dear Mr. Robinson:

Reference is made to the inadequate property description submitted with the subject application for exploration assistance.

The location iron stake in the line of the Carolina Mineral Company" which begins the metes and bounds description in the lease amendment dated February 14, 1953, is too indefinite. This can be corrected by the submission of six copies of a map which indicates the lands conveyed from Nellie and Y. C. Sparks to Z. L. Briggs and delineates that portion thereof leased to the Operator and described by metes and bounds in the lease amendment dated February 14, 1953.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

SAFeitler:gad 4/7/53

Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

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

April 8, 1953

Memorandum

To: The Administrator
Through: L. G. Houk

From: Chief Counsel

Subject: B & R Mica Company, DMEA-2785

There is attached in satisfactory legal form for execution, a contract covering the above-described project, subject to the attachment of a map which shall be referred to in Annex I, and which shall indicate the lands conveyed from Nellie and Y. C. Sparks to E. L. Briggs and delineate that portion thereof leased to the Operator and described by metes and bounds in Annex I. This is necessary because there is no way of telling where there is located the "iron stake in the line of the Carolina Mineral Company" which begins the description.

AEKane
for J. L. Hofflund
Chief Counsel

Attachments

AEKane/em

Copy to: Mails and Files
L. G. Houk
J. L. Hofflund
A. E. Kane
chron.

600

FEB 2 7 1953

Mr. D. M. Robinson
B and R Mica Company
Burnsville, North Carolina

Subject: Docket No. DMEA-2785 - Mica
B and R Mica Company
Half Moon Mine
Mitchell County, North Carolina

Dear Mr. Robinson:

Your letter of February 17, 1953 has been received but the copy of the amended lease was not enclosed.

If the lease in question is the one dated January 16, 1953, from Mr. and Mrs. Briggs to D. M. Robinson, Yates Bennett and Mark W. Bennett, it will not be necessary to submit a copy as one has been received from the Knoxville Office.

It appears that this lease should be recorded in Mitchell County rather than Yancey County as stated in the last paragraph of your letter.

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

SAFeitler:gad 2/26/53

Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

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

February 10, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2785, Mica, Half Moon Mine, Mitchell County, North Carolina

I concur in the field team's recommendation for an exploration program in the amount of $9,900.00.

Signed

W. F. Dietrich

IN REPLY REFER TO:
G-MD-CNM

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

February 5, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2785 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: J. J. Norton, U. S. Geological Survey
Applicant: B and H Mica Company, c/o D. M. Robinson, Mars Hill, North Carolina.
Name of property: Half Moon.
Location of property: 1 mile west of Bandana Post Office, Mitchell County, North Carolina.
Date of field team report: January 16, 1953.
Authorship of field team report: K. H. Teague.
Field team's recommendation:

1. Bulldozer stripping 20 by 50 by 80 feet.
2. 80-foot shaft.
3. 140 feet of drifts and crosscuts.

ACTION SUGGESTED:
Follow field team's recommendation.

J. J. Norton

Norton:jeh
G-2/5/53
cc: Director's reading 4212
Branch reading 4212
DMEA
Norton G-230

2785 Mica
B & R Mica Co.

Tel. to Region VII 2/3/83

Teague will ask applicant to obtain a lease amendment to describe a definite area.

SA

Room 13 Post Office Bldg.
Knoxville 2, Tenn.

COPY

January 19, 1953

Memorandum

To: Operating Committee, D M E A - Washington

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

Subject: Field Examination Report on DMEA-2785 (mica). B & R Mica Co., Applicant. Half Moon Mine. Mitchell County, N. C.

Transmitted herewith are 4 copies of the field examination report on the subject mine. The Field Team concurs in these recommendations.

The applicants are obtaining a new lease on the deposit covering the points outlined in the Operating Committee's letter to the Field Team, dated December 11, 1952. As soon as this new lease is received it will be sent to you.

Enclosed are 6 extra copies of a sketch of the mine for your use.

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

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

Reviewed by
DMEA OPERATING COMMITTEE

1-26-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2785, HALF MOON MINE (mica)

Mitchell County, N. C.

By

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

January 16, 1953

Reviewed by
DMEA OPERATING COMMITTEE

1-26-53
(date)

Field Examination Report
on
DMEA-2785, HALF MOON MINE (mica)

Applicant: B and R Mica Company, c/o D.M. Robinson
Mars Hill, North Carolina

The Half Moon Mine is situated at an elevation of approximately 2600 feet on the steep slope north of North Toe River about one mile west of Bandana Post Office, Mitchell County, North Carolina.

The Half Moon Mine is located about 100 feet northeast of " A Workings" at the Abernathy Mica Mine. Two large circular pits have been worked at this place. The deposit appears to justify exploration. It is recommended that the surface be stripped from an area 80 feet long, 50 feet wide, to a depth of 20 feet, and an 60-foot shaft sunk at the approximate position shown on the attached sketch, and a total of 140 feet of drifting and cross-cuts driven from the bottom of the shaft.

This mine was examined January 10, 1953. The applicants, Mark Bennett, Yates Bennett, and D. M. Robinson accompanied the field examiner on the examination which required three hours.

Access to the mine is good at all seasons of the year. About one mile of gravel mine road extends from the mine to the paved highway.

The applicants hold the property by lease. A new lease is being drawn to the B and R Mica Company and will be sent to Washington as soon as received at this office. Area covered by the lease is adequate to provide adequate working and dumping space. The applicants are competent to conduct the project.

Existing development at the mine consist of two circular pits on the pegmatite, and one short crosscutting adit which explores a small parallel pegmatite. These openings are shown on the attached sketch. None of the openings are more than 30 feet deep.

In general the geology is a continuation of the geology at the Abernathy mine. The pegmatite is intruded in mica schist which trends in general a little east of north and dips to the southeast; however, locally there are variations in strike and reversal of dips.

At the south end of the area the pegmatite is at least 30 feet thick, but to the northeast it narrows to about 10 feet thick. Where the thickness is greatest the southeast contact dips about 60° SE and the western contact dips 80° NW. In the area of the proposed shaft the pegmatite appears to be near vertical.

Composition of the pegmatite is similar to that at the Abernathy Mine. There seems to be no large quartz mass presently exposed. In general the composition of the pegmatite consists of coarse blocky microcline, some plagioclase, quart, and muscovite and biotite mica. The mica occurs mainly along the pegmatite contacts.

The mica is hard, generally flat, clear, deep ruby colored, and splits well. Much of it is slightly to heavily ruled. Where observed the pegmatite is very rich in mica, but mostly in small sizes. Many of the books display intergrowth of biotite with muscovite, but this defect does not appear excessive or does it do any appreciable damage to the sheet mica.

The field examiner recommends that exploration assistance be granted on this deposit. Exploration should consist of stripping the pegmatite for a distance of 80 feet along the pegmatite strike over a width of 50 feet, and to a depth of 20 feet. This work is necessary in order to make the shaft site safe. Following the stripping a shaft site should be selected and an 80-foot 5' x 7' timbered shaft sunk on the pegmatite. From the bottom of the shaft drifts should be driven on the pegmatite. As there is a possibility that parallel pegmatites occur west of the one exposed it is recommended that a 40-foot crosscut be driven to the northwest and short drifts made on any pegmatites that may be found.

Estimated Cost:

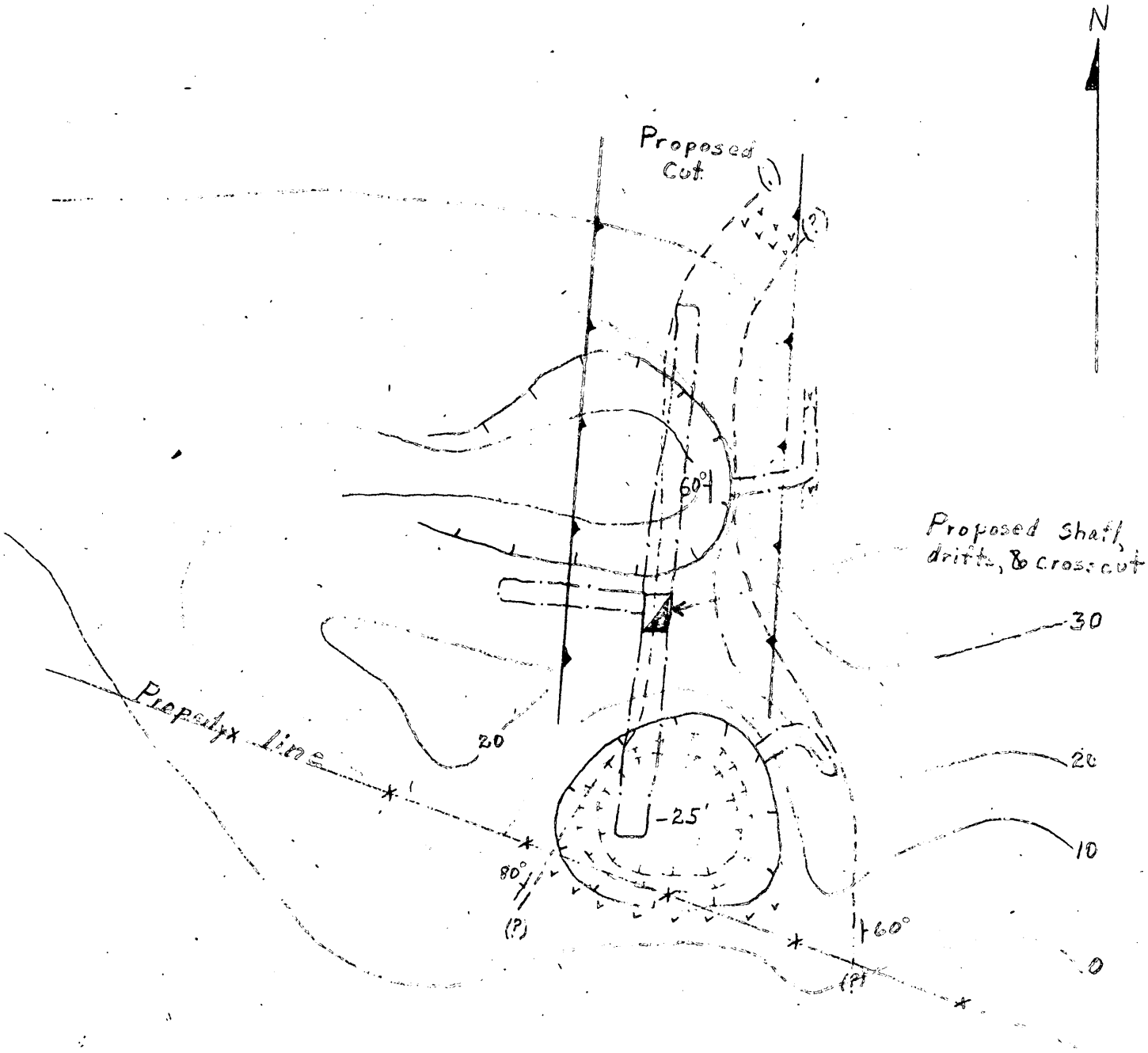
Bulldozing, 50 hrs. @ $12.00/hr.	$ 600.00
80-foot shaft, 5' x7', @ $55.00/ft.	4400.00
40 feet of crosscut @ $35.00/ft.	1400.00
100 feet of drift @ $35.00/ft.	3500.00
Estimated Total cost.....	$9900.00

Estimated time required 140 shifts.

January 16, 1953.

Kefton H. Teague, USGS

zm



Sketch of
Half Moon Mine
Mitchell Co., N.C.

0 20' 40
Scale

DMEA-2785 (Mica)

600

DEC 11 1952

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

Subject: Docket No. DMEA-2785 - Mica
B & R Mica Company
D. M. Robinson, President
Mars Hill, North Carolina
Half Moon Mine
Mitchell County, North Carolina

Dear Mr. Laurence:

Reference is made to the subject application for exploration assistance at the Half Moon Mine near Bandanna, Mitchell County, North Carolina.

Please arrange for a field examination and report on this mine. If an exploration program is recommended, the Operator should be asked to submit the following:

1) A new lease or an amendment to the present lease which includes:

a) A description of the land of which the lease is part. (County, Book, and Page of record will suffice.)

b) A clear description of a definite part of the above land which includes the Half Moon Mine. (The Field Team should verify the adequacy of the lease area.)

2) An assignment of the lease by Bennett, Bennett, and Robinson to B & R Mica Company.

Copies of memoranda from the Geological Survey and the Bureau of Mines are enclosed.

Sincerely yours,

Ernest Wm. Ellis

ACTING Chairman, Operating Committee

Approved:

J. E. Hodges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

Enclosures 2

SAFeitler:gad 12/10/52
Copy to: Admr. R. File
Operating Committee (2)
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk
Docket File

600

DEC 11 1952

Mr. D. M. Robinson, President
B & R Mica Company
Burnsville, North Carolina

Subject: Docket No. DMSA-2785 - Mica
B & R Mica Company
Mars Hill, North Carolina
Half Moon Mine
Mitchell County, North Carolina

Dear Mr. Robinson:

Reference is made to the subject application for exploration assistance at the Half Moon Mine in Mitchell County, North Carolina.

Your application is being referred to Mr. Robert A. Laurence, Executive Officer, DMSA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for further information.

Sincerely yours,

C. O. Mittendorf

Administrator

SAFeitler:gad 12/10/52

Copy to: Admr. R. File
Docket File
Operating Committee (2)
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk