UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (~~or cancelled~~) without certification. DMEA No. 1900

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

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Report of Review.

Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

✓ Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

Owner's Consent to Lien.

✓ Subordination Agreement.

✓ Leases and assignments of leases.

✓ Application and attachments.

Schedule of Collections.

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

Right Side

✓ Project summary.

✓ Work completed analysis.

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

✓ Final Field Team Report. (Tab)

Operator's Final Report.

✓ Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

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

Maps in folder number _____

Operator's Monthly Reports in folder number _____

Cus
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Powder Mill Mining Company

Plumtree, North Carolina

pertaining to Exploration Project Contract No. Idm-E176, Docket No. DMA-1900X, including Amendment No. 1, for the months of June and July, 1952.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with the Executive Officer and other members of the Field Team, and a determination of the reasonableness and propriety of the costs.

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

(a) the administrative cost to the Government of an audit would be excessive in relation to value of the contract or the estimated amount of possible disallowances thereunder;

(b) the Monthly Reports were supported by documentary proof of the costs incurred under the contract.

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

Total cost as billed by Contractor		$ 3,002.42
Exceptions:		
By DMEA Finance Officer	$ - 0 -	
Herewith	- 0 -	-0-
Total Accepted Cost		$ 3,002.42

The contract calls for a 90 per cent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Two thousand seven hundred two and 20/100 Dollars

— $ 2,702.20 —

is considered valid and proper.

November 13, 1952

Jay L. Chamberlin
Auditor

Contract Adm. Section

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

Nov 30 8 49 AM '51

CONTRACT AMENDMENT

DMA-1900X, Powder Mill Mining Co., a Corporation

Contract Docket No. DMA-1900X, Idm-E 176, dated 9th day of October 1951, between the United States of America and Powder Mill Mining Company, a Corporation is hereby amended as follows:

Item 3 is amended to provide that the Operator may begin work within six (6) months from the date of contract, instead of 30 days, and to complete the project within a period of 10 months from the date of contract. (This amendment is made because adverse weather conditions and poor access would greatly increase the cost of immediate completion of the contract).

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 13 of the contract form.

UNITED STATES OF AMERICA

By Robert A. Lawrence
Executive Officer, DMA, Region VII

Powder Mill Mining Co., a Corp.

By [illegible]

MF-200
(June 1951)

Docket No. DMA 1900X
Commodity Mica

Idm-E176

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 9th day of October, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2]
Powder Mill Mining Company, a Corporation
c/o Lewie M. Aldridge, President
Plumtree, North Carolina

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of North Carolina, County of Avery described as follows: [3]
"Mineral property known as Powder Mill Property, situated and being on Powder Mill Creek, Roaring Creek Township, Avery County, N. C. Including the land owned by the Avery Heirs bordered on the south by R. B. Houston, on the west by the Leask Property, on the north by Bob Wise and on the east by Dave Pittman."

with respect to which the Operator represents and undertakes: [4]

(a) That he is the sole owner in possession and entitled to possession and that the property is subject only to the following [illegible]

(b) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for [5] Mica (strategic); shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] Four Months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. 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.

5. *Fixtures and improvements.* 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. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[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.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, 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.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 90 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $ 2,808, which is 90 percent of the agreed estimated total cost of this project, $ 3,120.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *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 worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

Powder Hill Mining Company
(Operator)

By Jennie M. Aldridge
President

THE UNITED STATES OF AMERICA

By C O Mitteudorf
Director, Production Expansion Division
Defense Minerals Administration

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

Per explanation filed herein in letter dated Dec. 12, 1952 to Jay F. Bowles

Powder Mill Mining Company, a Corporation

Exploration Project Contract

EXHIBIT "A"

Exploration project:

Description of Work

As shown on the attached map, 2 bulldozer trenches about 100' long, 10' wide, and 10' to 15' deep, each will be excavated through overburden to expose the underlying pegmatite or pegmatites. Following completion of the trenches, an approximately 5' x 7' shaft will be sunk to a maximum depth of 40' from the bottom of one of the trenches; from the bottom of the shaft a maximum of 40' of 5' x 7' drifting will be done along the pegmatite. Exact location of the shaft and direction of the drifting will be mutually satisfactory to the Government Field Team representative and operator. Total allowable cost - $3,120, time limit - 3 months.

Summary of Cost

Frame structure 10' x 10'	$ 250.00
Equipment, to be rented	1,120.00
Supplies	450.00
Labor and supervision including taxes and insurance	1,300.00
Total project	$3,120.00

Fixtures and improvements:

Will erect frame structure about 10' x 10' to serve as tool shed & shelter	$250.00

Operating equipment:

To be rented

1 - Bulldozer complete with operator, fuel, lubricant, repairs, etc. 64 hrs. @ $12.50 per hr.	$800.00
1 - Portable compressor, 1 month @ $175.00	175.00
1 - Jackhammer with all accessories 1 month @ $50.00	50.00
1 - Pump complete with suction hose and necessary accessories 1 month @ $25.00	25.00
1 - Hoist complete with rope & bucket 1 month @ $70.00	70.00
Total Rental	$1,120.00

To be purchased

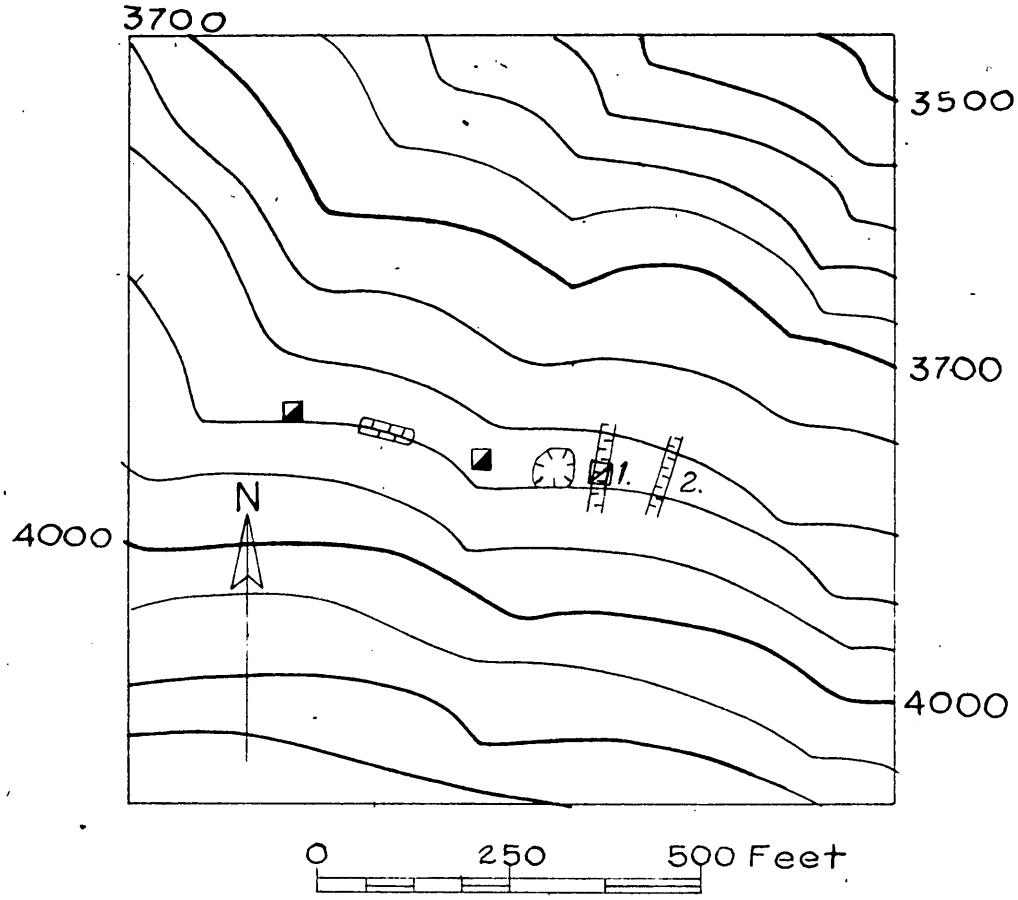
Hand tools, drill bits and supplies	$450.00

Labor and supervision:

1 - Working foreman	@ $2.00 per hr.	$448.00
1 - Miner	@ 1.50 " "	240.00
2 - Muckers	@ 1.00 " "	320.00
1 - Laborer	@ .85 " "	136.00
	Total	$1,144.00
Payroll taxes and insurance		156.00
		$1,300.00

Rehabilitation and repairs:

Not applicable.



Proposed Exploration by
Powder Milling Mining Company
D.M.A. 1900 X Avery Co. N.C.

- Present Shaft
- Present Opencut or trench
- Proposed dozer trench
- Proposed shaft

MF-202

6

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Avery, State of North Carolina, described in a certain Exploration Project Contract dated October 9, 1951, between Powder Mill Mining Company, a Corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated 9th day of July 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 9 day of July, 1951

Buena A. Vance

U. S. GOVERNMENT PRINTING OFFICE 16—64682-1

Lib Waites Avery

Ed Lee Avery

Cawanna A. Aldridge

Powder Mill

MINING LEASE

State of North Carolina Avery County:

This indenture made this 9 day of July, 1951

between Buena A. VAnce, W. Waites Avery, Edlee G. Avery and Corinna A. Aldridge

of Avery County and State of North Carolina, as party of the

first part, and known as lessor s, and Lewie M. Aldridge

of Avery County and State of North Carolina, party of the

second part and known as lessee.

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

Mineral property know as Powder Mill Property, situated and being on Powder Mill Creek, Roaring Creek Township, Avery County, N. C. Includingthe land owned by the Avery Heirs bordered on the south by R. B. Houston, on the west by the Leask Property, on the north by Bob Wise and on the east by Dave Pittman.

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

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part ies of the first part, or his or their heirs or assigns, a rental royalty of one eighth of all mica sold and .50¢ per ton on all Feldspar sold. ~~Said royalties to be paid on date of the sale of Mica or Feldspar~~ on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

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

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

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

Witness:

Buena Sance (Seal)

W. Walter Avery (Seal)

Ed Lee Avery (Seal)

Corinna A. Aldridge (SEAL)

DULY ACKNOWLEDGED AND SUBSCRIBED TO BEFORE ME THIS THE 9 DAY OF July, 1951

Hyne Segal
NOTARY PUBLIC

My Commission Expires 2/8/52

POWDER MILL MINING COMPANY

Plumtree, North Carolina

DMA-14667

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1951
LANDON F. STROBEL
Executive Secretary

Washington Counsel
C. Braswell Collins
1025 Vermont Ave., N.W.
Washington 5, D. C.
NA 7808

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. dma - 1900

Date received 7/31/51

Participation

Name and address of applicant

Powder Mill Mining Company
c/o Lewie M. Aldridge, Pres
Plumtree, North Carolina

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1951
MINERAL & METAL
Exploration Section

Date July 30, 1951

FILL IN THIS BLOCK

Date of application July 30, 1951

Estimated cost $16,110

Mineral or metal Strategic Mica

Percentage of Government participation 90%

Location of mine 1½ miles west of Senia P. O.
Avery County, North Carolina
See Exhibit K

Date of filing MF-100 not filed

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

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

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

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Powder Mill Mining Company
(Name of company)

By Lewis Ashridge
(Signature of authorized official)

July 30, 1951
(Date)

President
(Title)

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

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF 103

Defense Minerals Administration

Powder Mill Mining Company
Plumtree, North Carolina

Powder Mill Mine
Avery Estate
Avery County, N. C.

1. Corporation See Exhibit A

2. Not a partnership

3. See page 3 of Exhibit A

4.

Lewie M. Aldridge	President	See Exhibit B
W. Waites Avery	Vice Pres	Exhibit C
Buena A. Vance	Sec-Treas	Exhibit D
Cling Ellis	Stockholder	Exhibit E
Sam Thompson	Stockholder	Exhibit F
Frank Phillips	Stockholder	Exhibit G

5. Lesee See Exhibit H

6. Not owner

7. Lease is in good standing. See Exhibit H

Note: Subordination forms which have been signed are attached to original file at Exhibit I

8. New Corporation

9. Applicant will donate the rental value of its K6 International $2\frac{1}{2}$ ton dump truck. If rental value does not equal 10% along with other items marked as donated in the answer to question 23, the applicant will make up the difference in cash at time exploration is approved and contract executed by the DMA.

10. (a) Legal description of property is set forth in lease which is attached as Exhibit H

(b) Exploration is to be conducted within 500 foot radius of center of abandoned mine on the property leased. The abandoned mine face will be the center of the circle.

11. Always known as Powder Mill Mine.

12. 36 02 N 82 02 30 W. Approximately 3 miles northwest of Plumtree, Avery County, North Carolina.

13. Strategic sheet mica mine. No water needed other than drinking water which a spring will supply. No flow plant operation will be utilized in present contemplations.

14. None.

15. Ore will not be milled. Mica books will be shipped by truck to Spruce Pine, or to the nearest government mica purchase depot near Spruce Pine. Spruce Pine is approximately 18 miles south of the Powder Mill Mine.

16. Sheet mica of strategic grade from this mine was sold to Colonial Mica Corporation during World War II. These records are now in the files of R. F. C., (Call Mr. Tully Executive 3111 Ext 550)

17. See answer 16.

18. Mica deposits cannot be assayed as to their sheet or strategic grade content. This mine produced large quantities of strategic mica during World War II, as can be ascertained from the records of Colonia Mica Corporation. It is estimated that mica of like amounts and quality is still in the immediate vicinity. Mining operations ceased only when the price of sheet mica fell from six dollars a pound to less than twenty cents a pound.

19. If the results of this exploration indicate that production is warranted, it will be necessary to make a road to the mine which is near the top of a mountain. It is estimated that this road will not cost more than $5,200.

20. Sheet mica (ruby and rum color)

21. Commencing approximately 25 feet E from the abandoned mine face, the first dozer cut will be made. It is desired to make a total of four cuts. The cuts will be 15 feet wide, 25 feet deep, and 100 feet long. The size and depth of the cuts will be altered at the recommendations of the DMA field team.

In each dozer cut, after the overburden has been removed, a shell hole or shafts 6 x 6 feet will be sunk through the dike to determine the mineralization of the ore. It is expected that 30 feet of depth per shaft will give a good appraisal of the proportion of sheet mica content. This mine produced ruby and rum sheet mica during World War II, and it is anticipated that if mica is found again in this dike that it too will be of good strategic quality.

To obtain some idea of the size and geological characteristics of the dike, it is requested that 6 diamond core drill holes (NX size) be lowered through the pegmitite ore body to a depth of 100 feet commencing 50 feet t o the right of the abandoned face then alternating from side to side between the dozer cuts as per diagram attached as Exhibit J.

22. Production possibilities are of record with the U. S. Bureau of Mines, U. S. Geological Survey, and R. F. C. files. All of these records show that mica of strategic quality has been removed from this ore body.

23.

	per week of operation	26 week total
(a) 2 muckers at $40 per week	$ 80	2080
1 truck driver at $40	40	1040
(b) 1 supervisor ½ time at $50	50	1300
(c) None		
(d) 1 tool shed		250
(f) 1 gas engin hoist rental	50	1300
Bulldozer rental with operator at $12.50		4000
(g) 1 International K6 2½ ton dump truck (donated by applicant)	50	1300

(h) misc hand tools		200
(i) gas, oils, dynamite, caps, etc	40	1040
		16110

24. It is expected to take of total of six months to complete this project. Also see answer to question 21.

19007

STATE OF NORTH CAROLINA
Department of State

To all to whom these presents shall come, Greeting:

I, Thad Eure, Secretary of State of the State of North Carolina, do hereby certify the following and hereto attached (SEVEN (7) sheets) to be a true copy of

CERTIFICATE OF INCORPORATION

OF

POWDER MILL MINING COMPANY

the original of which is now on file and a matter of record in this office.

In Witness Whereof, I have hereunto set my hand and affixed my official seal.

Done in Office, at Raleigh, this 8th day of August in the year of our Lord 19 51.

Thad Eure
Secretary of State

65635

CERTIFICATE OF INCORPORATION
OF
POWDER MILL MINING COMPANY

Know All Men By These Presents:

That we, the undersigned, have this day voluntarily associated ourselves together for the purpose of forming a corporation under the laws of the State of North Carolina, and do hereby certify:

First: That the name of the said corporation is: Powder Mill Mining Company.

Second: That the purposes for which said corporation is formed are:

(a) To initially engage in the primary business of exploring, prospecting, developing, mining and milling mica and minerals of every character and description.

(b) To purchase or otherwise acquire, to own, hold, lease, sell or otherwise dispose of, deal in and improve real estate, and to mortgage, convey in trust or otherwise encumber the same and to erect, manage, care for, maintain, extend and alter buildings thereon and other improvements.

(c) To purchase or otherwise acquire, to own, hold, lease, sell or otherwise dispose of, deal in and improve real estate, and to mortgage, convey in trust or otherwise encumber or hypothecate the same.

(d) To enter into partnerships or into any arrangement for sharing profits, union of interest, corporation, joint adventure, reciprocal concession, or otherwise, with any person,

partnership, firm or corporation, in any business or transaction in which this corporation is authorized to carry on or engage in so as to directly or indirectly benefit this corporation.

(e) To take, acquire by purchase, exchange or otherwise, and to own, hold, deal in, sell or otherwise dispose of, mortgage, hypothecate or otherwise encumber, letters patent and inventions and shares of stock or bonds, and while the owner of said shares to vote the same.

(f) To borrow money and to execute and deliver its secured promissory note or notes or other evidences of indebtedness therefor.

(g) To issue bonds, notes, debentures, certificates, script or other corporate obligations or evidences of debt, and to secure the payment therefor by mortgage, pledge or deed of trust of or upon the whole or any portion of the corporate property, funds, credits and franchises and to sell, pledge or otherwise use or dispose of the same.

(h) To exercise in respect to all such bonds, notes, mortgages, shares of capital stock and other securities and other obligations, any and all rights, powers and privileges of individual owners thereof; including the right to vote upon any shares of stock held by it to the same extent that a natural person might or could do.

(i) To carry on business in states outside of North Carolina and to purchase and hold real and personal property in said states.

(j) To engage in any and all lawful business other

than those above specified which may be permitted by any law or laws of the State of North Carolina now in force or hereinafter enacted, and for which no special authorization or permit is necessary.

(k) To do and perform all things whatsoever that shall be necessary or proper for the full and complete execution of the foregoing purposes.

(l) To act as guarantor or surety on contracts, notes, bonds, mortgages, deeds of trust or other securities.

Third: That the principal office for the transaction of the business of this corporation is to be located in Plumtree, Avery County, North Carolina. That the name and address of the agent authorized to accept service on the corporation in the State of North Carolina is Lewie M. Aldridge, Plumtree, North Carolina.

Fourth: That this corporation is authorized to issue only one class of shares of stock, the total number of which is 100 shares with no par value.

Fifth: That the number of directors of said corporation shall be three (3) who must be shareholders and the names and addresses of the persons who are appointed to act as the first directors and to hold office until the selection and qualification of their successors are as follows:

Lewie M. Aldridge	President	Plumtree, North Carolina
W. Waites Avery	Vice Pres.	Plumtree, North Carolina
Buena A. Vance	Secty-Tres.	Plumtree, North Carolina

Sixth: That the duration of this corporation shall be 100 years.

Seventh: That the following shares of stock have been subscribed by the incorporators:

Lewie M. Aldridge	17 shares	Plumtree, North Carolina
W. Waites Avery	17 shares	Plumtree, North Carolina
Buena A. Vance	17 shares	Plumtree, North Carolina
Cling Ellis	25 shares	Toecane, North Carolina
Sam Thompson	12 shares	Ingalls, North Carolina
Frank Phillips	12 shares	Ingalls, North Carolina

Eighth: That the number of persons named above shall constitute the number of directors in the corporation until changed by amendment to the by-laws.

Ninth: Said corporation shall not have the power to levy assessments upon the shares or shareholders thereof.

Tenth: The shareholders of said corporation shall have preemptive rights to subscribe to any and all issues of shares of securities.

In Witness Whereof, the persons named herein as directors have hereunto set their hands this 27 day of July, 1951.

Lewie Aldridge
W. Waites Avery
Buena A. Vance
Cling Ellis
Sam W. Thompson
Frank W. Phillips

STATE OF NORTH CAROLINA)
: SS.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared Lewie Aldridge known to me to be the person whose name

is subscribed to the within instrument, and acknowledged to me that he executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

Alyce Seagle

Notary Public of said County and State

(NOTARIAL SEAL)
My Commission expires: 5-8-52
STATE OF NORTH CAROLINA)
: SS.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared W. Waites Avery known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

Alyce Seagle
Notary Public of said County and State

(NOTARIAL SEAL)
My Commission expires: 5-8-52
STATE OF NORTH CAROLINA)
: SS.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared Buena A. Vance known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that

he executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

Alyce Seagle
Notary Public of said County
and State

(NOTARIAL SEAL)
My Commission expires: 5-8-52
STATE OF NORTH CAROLINA)
: SS.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared Cling Ellis known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

Alyce Seagle
Notary Public of said County
and State

(NOTARIAL SEAL)
My Commission expires: 5-8-52
STATE OF NORTH CAROLINA)
: SS.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared Sam W. Thompson known to me to be the person whose name is subscribed to the within instrument, and acknowledged

to me that he executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

Alyce Seagle

Notary Public of said County and State

My Commission expires: 5-8-52

(NOTARIAL SEAL)

STATE OF NORTH CAROLINA)
: SS.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared Frank W. Phillips known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

Alyce Seagle

Notary Public of said County and State

My Commission expires: 5-8-52

(NOTARIAL SEAL)

FILED AUG 8 1951

THAD EURE

SECRETARY OF STATE

STATE OF

NORTH CAROLINA

CERTIFIED COPY OF

CERTIFICATE OF INCORPORATION

OF

POWDER MILL MINING COMPANY

Office of the

Secretary of State

CERTIFICATE OF INCORPORATION

of

POWDER MILL MINING COMPANY

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, have this day voluntarily associated ourselves together for the purpose of forming a corporation under the laws of the State of North Carolina, and do hereby certify:

FIRST: That the name of the said corporation is:

Powder Mill Mining Company

SECOND: That the purposes for which said corporation is formed are:

(a) To initially engage in the primary business of exploring, prospecting, developing, mining and milling mica and minerals of every character and description.

(b) To purchase or otherwise acquire, to own, hold, lease, sell or otherwise dispose of, deal in and improve real estate, and to mortgage, convey in trust or otherwise encumber the same and to erect, manage, care for, maintain, extend and alter buildings thereon and other improvements.

(c) To purchase or otherwise acquire, to own, hold, lease, sell or otherwise dispose of, deal in and improve real estate, and to mortgage, convey in trust or otherwise encumber or hypothecate the same.

(d) To enter into partnerships or into any arrangement for sharing profits, union of interest, corporation, joint adventure, reciprocal concession, or otherwise, with any person, partnership, firm or corporation, in any business or transaction in which this corporation is authorized to carry on or engage in so as to directly or indirectly benefit this corporation.

(e) To take, acquire by purchase, exchange or otherwise, and to own, hold, deal in, sell or otherwise dispose of, mortgage, hypothecate or otherwise encumber, letters patent and inventions and shares of stock or bonds, and while the owner of said shares to vote the same.

(f) To borrow money and to execute and deliver its secured promissory note or notes or other evidences of indebtedness therefor.

(g) To issue bonds, notes, debentures, certificates, script or other corporate obligations or evidences of debt, and to secure the payment therefor by mortgage, pledge or deed of trust of or upon the whole or any portion of the corporate property, funds, credits and franchises and to sell, pledge or otherwise use or dispose of the same.

(h) To exercise in respect to all such bonds, notes, mortgages, shares of capital stock and other securities and other obligations, any and all rights, powers and privileges of individual owners thereof; including the right to vote upon any shares of stock held by it to the same extent that a natural person might or could do.

(i) To carry on business in states outside of North Carolina and to purchase and hold real and personal property in said states.

(j) To engage in any and all lawful business other than those above specified which may be permitted by any law or laws of the State of North Carolina now in force or hereinafter enacted, and for which no special authorization or permit is necessary.

(k) To do and perform all things whatsoever that shall be necessary or proper for the full and complete execution of the foregoing purposes.

(l) To act as guarantor or surety on contracts, notes, bonds, mortgages, deeds of trust or other securities.

THIRD: That the principal office for the transaction of the business of this corporation is to be located in Plumtree, North Carolina. That the name and address of the agent authorized to accept service on the corporation in the State of North Carolina is Lewis M. Aldridge, Plumtree, North Carolina.

FOURTH: That this corporation is authorized to issue only one class of shares of stock, the total number of which is ~~200~~ 100 shares with no par value.

FIFTH: That the number of directors of said corporation shall be three (3) who must be shareholders and the names and addresses of the persons who are appointed to act as the first directors and to hold office until the selection and qualification of their successors are as follows:

Lewis M. Aldridge	President	Plumtree, North Carolina
W. Walter Avery	Vice Pres.	Plumtree, North Carolina
Buena A. Vance	Secty-Tres.	Plumtree, North Carolina

SIXTH: That the duration of this corporation shall be 100 years; original capital to commence business to be $30.00.

SEVENTH: That the following shares of stock have been subscribed by the incorporators:

Lewis M. Aldridge	17 shares	
W. Walter Avery	17 shares	
Buena A. Vance	17 shares	
Cling Ellis	25 shares	Toscana, North Carolina
Sam Thompson	12 shares	Ingalls, North Carolina
Frank Phillips	12 shares	Ingalls, North Carolina

EIGHTH: That the number of persons named above shall constitute the number of directors in the corporation until changed by amendment to the by-laws.

NINTH: Said corporation shall not have the power to levy assessments upon the shares or shareholders thereof.

TENTH: The shareholders of said corporation shall have preemptive rights to subscribe to any and all issues of shares of securities.

IN WITNESS WHEREOF, the persons named herein as directors have hereunto set their hands this 27 day of July, 1951

(s) Lewis Aldridge

(s) W. Walter Avery

(s) Buena A. Vance

(s) Cling Ellis

(s) Sam W. Thompson

(s) Frank W. Phillips

STATE OF NORTH CAROLINA)
) ss.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared
Lewis Aldridge
known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

(S) Alyce Seagle
Notary Public of said County and State

STATE OF NORTH CAROLINA)
) ss.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared
W. Walter Avery
known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

(S) Alyce Seagle
Notary Public of said County and State

STATE OF NORTH CAROLINA)
) ss.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared
Buena A. Vance
known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

(S) Alyce Seagle
Notary Public of said County and State

STATE OF NORTH CAROLINA)
) ss.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared

Clevg Ellis

known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

(s) Alyce Slagle
Notary Public of said County and State

STATE OF NORTH CAROLINA)
) ss.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared

Sam W. Thompson

known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

(s) Alyce Slagle
Notary Public of said County and State

STATE OF NORTH CAROLINA)
) ss.
MITCHELL COUNTY)

On this 27 day of July, 1951 before me, the undersigned Notary Public in and for the State of North Carolina, residing therein, duly commissioned and sworn, personally appeared

Frank W. Phillips

known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County of Mitchell, the day and year first hereinabove written.

(s) Alyce Slagle
Notary Public of said County and State

LEWIE M. ALDRIDGE

Lewie M. Aldridge was born at Hughes, Avery County, North Carolina, December 30, 1914. He attended grammar school in Avery County, and was graduated from Crossnore High School in 1934. In 1935 he completed one year of post graduate work in the commercial business school of the Crossnore High School.

During the years 1936 to 1941 he was an automobile salesman for J. L. Baker in Spruce Pine, North Carolina. In 1941 he commenced his mining operations which last through the Colonial Mica purchase period. They were as follows:

1942 - 1946	He was one of two partners in the partnership of W. S. Flint and Lewie Aldridge which mined "Lincoln Rock" on the Avery estate in Avery County, North Carolina.
1942 - 1946	The same partnership of Flint and Aldridge operated Hawkins Mine at Sandy Ridge, in Stokes County, N. C.
1943 -	As an individual, he operated the "Long Cut" Mine on the Bailey Property in Mitchell County.
1944 - 1946	He was one of three partners in the partnership of Lewie Aldridge, Thomas P. Dillinger and W. S. Flint. which operated the "Long Cut" Mine.
1946 - until present	He has mined the Harry Knight Mine at Stoneville, Virginia.

In addition to his mining operations, Mr. Aldridge during the years 1947 to 1948 operated a used car lot in Spruce Pine, North Carolina. In 1949 he became a partner with C. W. Greene, and the partnership of Aldridge and Greene now engaged in the selling of Ford cars and trucks through their dealership and operate a Texaco service station.

* * * * * *

References:

Bill Lee, Cashier,
Northwestern Bank, Spruce Pine, N. C.
E. C. Guy, President,
Avery County Bank, Newland, N. C.
Ray Dent, Manager,
Diamond Mica Company, Spruce Pine, N. C.

W. WAITES AVERY

W. Waites Avery was born in Avery County, North Carolina, near the town of Plumtree, which is approximately nine miles from Spruce Pine the center of the mica industry in North Carolina.

He was graduated from the Cranberry High School, Avery County, North Carolina, in 1931, and for the next three years worked in various mines in Avery and Mitchell Counties. During the years 1934 - 1948 he mined the Charles Rock Mine in Avery County, and in 1939 he became lessee of the Meadow Mine and has operated it sucessfully up to just a few months ago. He had to abandon the operation of the Meadow Mine due to the low price of mica at that time and due to the tunnels into the mine present are so long that it was uneconomical to haul the waste the 800 to 1400 feet of their length.

He has sold mica to the Asheville Mica Company, the Eugene-Munsel Mica Company, the Carpenter-Phillips Mica Company, and the Tarheel Mica Company.

* * * * * *

References:

Lin Carpenter, Carpenter-Phillips Mica Company
Spruce Pine, North Carolina
B. G. Thomas,
Baker Furniture Company, Spruce Pine, N. C.
D. T. Vance,
Plumtree, North Carolina

BUENA A. VANCE

Buena A. Vance is the daughter of W. Waites Avery, Sr., of Plumtree, North Carolina, who was a mine operator and owner of Meadow Mine all his life.

She finished preparatory school at Davenport College, Lenoir, North Carolina, and was graduated with a secretarial diploma from High Point College, High Point, North Carolina, in 1931.

In 1933 she married J. C. Vance of Avery County, North Carolina, who has been a miner most of his life. She has kept books for the Avery heirs from the time of her father's death in 1928 until the present time, she is also employed at present as a bookkeeper for the Aldridge-Greene Motor Company, Spruce Pine, North Carolina.

Her mining experience and her ability as a successful miner is known throughout the Spruce Pine area. Her mining history is as follows:

1939 - 1943 Sublessee on a portion of the Meadow Mine.
1941 - 1945 Lessee Double Head Mine.
1941 - 1945 Lessee Powder Mill Roughs Mine.
1942 - 1946 Lessee Lincoln Rock No. 3.

She has sold mica to:

Asheville Mica Company
Spruce Pine Mica Company
Colonial Mica Company
Eugene-Munsel Mica Company

* * * * * *

References:

Robert Guy, President,
Newland Bank, Newland, N. C.
Dr. Charles Peterson,
Spruce Pine, N. C.
Roy Welds, Superintendent
Harris Clay Company, Kalmia, N. C.

CLINGHAM W. ELLIS

Clingham W. Ellis was born March 17, 1914, at Toecane, Route 1, North Carolina. Toecane is approximately twenty miles from Spruce Pine the center of the mica industry in North Carolina.

He attended grammar school at Bakersville, North Carolina, until 1929, the time of his father's death. At that time he had completed the eighth grade, and has not had the opportunity to further his formal education. He farmed his deceased father's farm from 1929 to 1933, and during the depression he worked at the C.C.C. Camp No. 14 at Smokey Mountain Park.

From 1934 to 1939 he was employed by the State Highway Commission, first as a laborer and later as a foreman, on its bridge building crew.

He mining experience from 1940 to 1948 was interrupted during the years 1942 to 1943 while he was employed as a watchman for the Devolt Safe and Lock Company, Canton, Ohio.

His mining experiences are:

1940 - 1941 Partnership of himself and Aud Grindstaff on the J. E. Ellis Property in Mitchell County, N. C.
1944 Partnership of himself and Earl Shuford, Roberson Mine, near the Sink Hole Mine, Mitchell County, N. C.
1945 Partnership of himself and Ernest Johnson, Bear Creek Mine, on the property of the Bailey heirs, Flat Rock, Mitchell County, N. C.

After the fall of the price of mica in 1945 he commenced his present business of saw mill operation and lumber sales, which are listed as follows:

1947 - 1948 Owned and operated saw mill at Snow Creek, N. C., where he employed from six to seven persons.
1949 - Became a partner with Frank Phillips in the saw mill business, and later associated with Frank Phillips, Samuel W. Thompson to form the Mitchell Lumber Company, a corporation. This lumber Company is now one of the largest in the Tri-County, Avery-Mitchell-Yancey, area.

* * * * * *

References:

Fletcher O. Phillips,
Spruce Pine, N. C.
O. V. Coulter, Partner,
Phillips and Coulter, Spruce Pine, N. C.
Charles Slagle, Postman,
Toecane, Route 1, N. C.

SAMUEL W. THOMPSON

Samuel W. Thompson was born September 26, 1915, at East Point, a suburb of Atlanta, Georgia. His parents had previously lived in the Spruce Pine district of North Carolina, and in Mr. Thompson's infancy they returned to Elk Park, North Carolina, where they lived the remainder of their lives.

Mr. Thompson was graduated from the Cranberry, North Carolina, High School in 1932, and due to the lack of employment during this depression era he attended the Appalachian State College at Boone, North Carolina, so as to prepare himself for a teacher's career. There he majored in mathematics and physical education.

In 1935 he joined his father in the business of plumbing and heating contracting at Elk Park, North Carolina. But in 1936 he commenced his mining operations by obtaining a job from H. C. Marmon at Spruce Pine, in Mr. Marmon's ceramic clay plant where he was employed until the Spring of 1942.

In 1942 he commenced his mining operations, and is well-known in the mica mining circles for his successful operation of the Mill Race Mine. He was one of three partners in the partnership of Roy L. Weld, C. F. Arrowood, and S. W. Thompson. Their gross sales from the 1942 - 1946 operation was $280,000. All of this mica was sold to the Colonial Mica Company. In this partnership Mr. Thompson's duties were mining supervisor and employee counsel.

In 1944 the same partnership also mined the "Long Cut Mine" on the Bailey property in Mitchell County which operation they continued until 1947.

In 1948 Mr. Thompson and Frank Phillips were partners in the operation of the Gusher Knob Mine near Ingalls, in Avery County, North Carolina. This mine produced both sheet mica and high quality feldspar.

In 1949 Mr. Thompson became a stockholder and officer when the Mitchell Lumber Company was organized. The Mitchell Lumber Company is one of the largest lumber companies in the Spruce Pine district.

* * * * * *

References:

John Phillips,
Phillips and Coulter, Spruce Pine, N. C.
B. G. Thomas,
Thomas Baker Furniture Company, Spruce Pine, N. C.
Lin Carpenter,
Carpenter and Phillips Mica Company, Spruce Pine, N. C.

FRANK PHILLIPS

Frank Phillips was born January 9, 1909, at Ingalls, North Carolina, and for the remainder of his life, except for his college studies has lived in the Spruce Pine district. He was graduated from the Cranberry, North Carolina, High School in 1927. He then attended Appalachian State Teachers College at Boone, North Carolina until 1929, at which time he entered Georgia Tech at Atlanta, Georgia. Upon completion of his junior year, in 1930, he returned to Ingalls to farm with his father for the next six years.

In off farming seasons commencing in 1933 to 1936, he operated a sawmill by himself employing from three to seven persons. In 1936 he obtained a mining lease on the Gusher Knob Mine and mined it for several years. His mining history during the Colonial purchasing days is well-known by his associates as his operations included some of the largest producing mines within the Spruce Pine district. His operations included:

1942 - 1946	He was one of three partners in the partnership of W. S. Thompson, C. R. Phillips and Frank W. Phillips in the Moulton Mine.
1943 - 1946	The partnership of Frank Phillips, D. T. Vance, T. B. Vance, Jr., Clarence Aldridge and Robert Guy operated the Double Head Mine. This large mining operation employed up to twenty persons and is well-known for its high production.
1943 - 1947	He was one of two partners in the partnership of C. R. Phillips and Frank Phillips in the operation of the Dugger Mine on the property held by Robert Guy and D. T. Vance in Avery County. This mining operation was comparatively small using only five to eight employees.

In 1948 Frank Phillips became one of the organizers and later president of the Mitchell Lumber Company of which he now holds 50 percent of its stock. This lumber company is one of the largest within its area.

* * * * * *

References:

Robert Guy, Cashier,
Avery County Bank, Newland, N. C.
Ed Fortner, President,
Mitchell Finance Corporation, Spruce Pine, N. C.
Baxter Johnson, electrical contractor,
Spruce Pine, N. C.

Powder Mill

I. LEWIE M. ALDRIDGE, FOR AND IN CONSIDERATION OF ONE DOLLAR ($1.00) AND OTHER VALUABLE CONSIDERATIONS, RECEIPT OF WHICH IS HEREBY ACK* NOWLEDGED, DO THIS THE 23rd. DAY OF JULY, 1951 TRANSFER TO THE POWDER MILL MINING CORPORATION THE MINING LEASE BY AND BETWEEN ME, THE SAID LEWIE M. ALDRIDGE AND BUENA A. VANCE, W. WAITES AVERY, ED*LEE G. AVERY AND CORINNA A. ALDRIDGE, SAID LEASE DATED ON THE 9th. DAY OF JULY, 1951.

Lewie Aldridge (SEAL)

DULY ACKNOWLEDGED AND SUBSCRIBED TO BEFORE ME THIS THE 23rd DAY OF July, 1951

Buena Vance
NOTARY PUBLIC

My Commission Expires 1-25-52

D. M. A. Docket No. _____
Powder Mill Mining Company
Plumtree, North Carolina

Powder Mill Mine
On the Avery Estate
Avery County, North Carolina

"Mineral property known as Powder Mill Property, situated and being on Powder Mill Creek, Roaring Creek Township, Avery County, N. C. Including the land owned by the Avery Heirs bordered on the south by R. B. Houston, on the west by the Leask Property, on the north by Bob Wise and on the east by Dave Pittman."

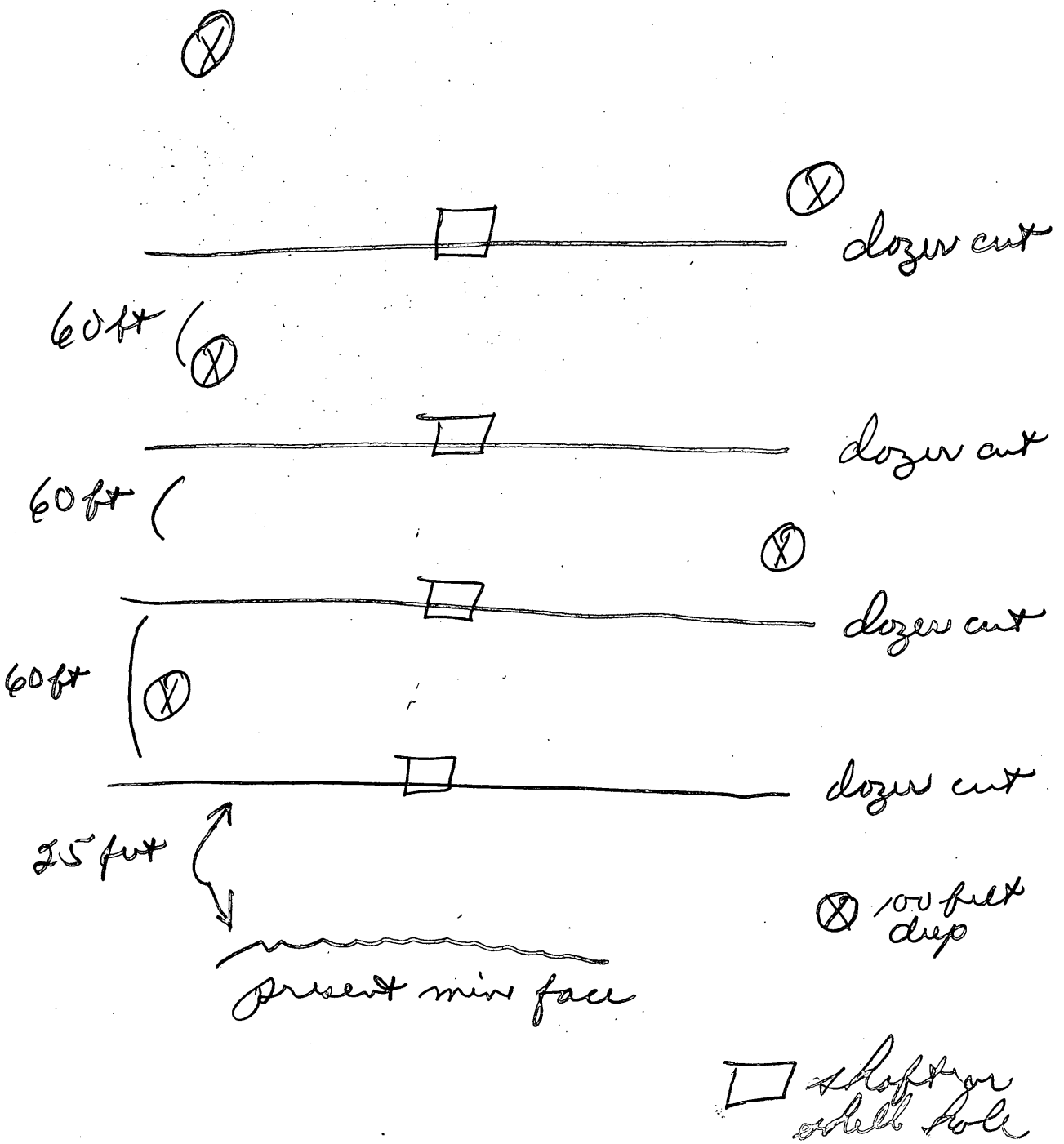
J

S U B O R D I N A T I O N

Six copies of the required subordination form are executed and filed at exhibit I in the original copy file of this application.

(Also enclosed with the lease is six copies of Exploration Contract signed in blank.)

Exhibit J


dozer cut
60 ft
dozer cut
60 ft
dozer cut
60 ft
dozer cut
25 feet
present mine face
100 feet deep
shaft or auger hole
diamond core drill holes 100 feet deep

LOCATION OF MINE

Road map published by North Carolina State Highway and Public Works Commission is attached to original copy of this application at Exhibit K.

Location of mine and mica marketing center, Spruce Pine, Mitchell County, are both marked on this map.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON, D.C.~~

Room 1, Post Office Building
Knoxville, Tennessee

August 20, 1952

Memorandum

To: Helen Miller, Administrative Officer - Norris

From: Wm. A. Beck - Knoxville

Subject: July Operator's Monthly Report & Voucher.
DMEA-1900X, Idm-K176 (mica) Powder Mill Mining Co.

Enclosed are original and two copies of the above subject report and voucher.

This Contract was started on November 5, 1951, and completed on July 29, 1952.

The contract was in the amount of $3,120.00 of which the Government's share was 90% or $2,808.00. A total of $3,002.42 was expended. The Government's share being $2,702.20, thus leaving the sum of $105.80 of the Government's money unexpended. This may be turned back into the revolving fund.

Wm. A. Beck
Acting Executive Officer
DMEA Field Team, Region 7

WAB/mm
cc:
Laurence
Chambers
Lynch
Files
D. File

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

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

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

Month of July, 1952 Docket No. DMEA 1000 X Contract No. I N-M176
Operator's Name Powder Mill Mining Co. Minerals Mica
Address Monroe, N. C.
Contract Amount, $ ~~2880~~ 3120.00 Government Participation: 90 % Amount, $ 2800.00

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		800.00	800.00		800.00	800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	431.17	603.80	1034.97	431.17	603.80	1034.97
Supervision	222.00	320.00	542.00	222.00	320.00	542.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		19.72	19.72		19.72	19.72
Pipe						
Track						
Gas, Oil & Supplies	58.49	176.89	235.38	58.49	176.89	235.38
Miscellaneous		75.35	75.35		75.35	75.35
(4) Operating Equipment:						
Rental		295.00	295.00		295.00	295.00
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	711.66	2290.76	3002.42	711.66	2290.76	3002.42

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

Date Aug. 14, 52 *Payee Powder Mill Mining Co.

Per Bruce Cave Title Secretary

*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:

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
2 5 1952

$ 640.49

Signature (Authorized Certifying Officer)

Date Vou. No.

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm E 176 in accordance with the terms of the contract.

Signature Kepton H. Teague Title Geologist U.S.G.S. Date 8-20-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. E. Beck Title Acting Exec Officer Date 8-20-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 192 Docket No. DME1000X Contract No. [illegible]176
Operator's Name Powder Mill Mining Company Minerals [illegible]co
Address Plumtree, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	1	711.66	5	3002.42	40	2014.08		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching				600.00	2			
Test Pits								
Roads and Trails								
Total Distributed Costs		711.66	5	300242				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		~~711.66~~	~~5~~	~~3002.42~~				

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

Date Aug. 14, 1953 Operator Powder Mill Mining Co.

Per [signature] Title Secretary

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

MONTHLY PROGRESS REPORT

for the

Month of July

Work Accomplished

Set up machinery, removed muck from bottom of open cut, pumped out shaft; hired four workmen; ordered powder fuse caps; set up hoist; started shaft sinking; drilled blasted; and mucked five rounds for a total of 20 feet advanced for the month. Three men on daylight shift, two men on afternoon, one pumper graveyard.

Daily Notes

July 1-3 Set up compressor, bought lumber, built tool shed.

July 5. Air receiver delivered, John Smith and Richard Doe started work at $1.00 per hour, discussed contract with visiting field team engineer.

July 7-9 Shed finished. Worked getting pump ready. Put in air line to mine.

July 10 Began pumping, three shifts. Worked on A frame.

July 11-14 Worked on A frame.

July 15 Drilled and blasted first round. Finished pumping.

July 16 Mucked out round on afternoon shift.

July 17 Drilled round using two CP-32s with detachable bits. The shaft is in pegmatite. Northeast corner contains some wall rock. Four books of mica, three to six inches in diameter show in the bottom.

July 31 Etc.

Future Plans

Plan to hire two men to fill out the crew for a third shift.

FILE COPY
SURNAME:

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

Room 1, Post Office Building
Knoxville, Tennessee

July 28, 1952

Powder Mill Mining Company
c/o Lewis M. Aldridge, Pres.
Plumtree, North Carolina

DMA-1900X, Idm-E176 (mica)

Dear Mr. Aldridge:

Your June Operator's Monthly Report and Voucher has been received by this office and is being sent to our Morris, Tennessee office today for processing.

The following changes have been made on the voucher: Under Item 2 "Labor" your payroll shows that $603.80 was expended for this item and you had only $463.80 on the voucher.

Under item 3, "gas, oil and supplies," we cannot allow the amount of $83.54 for hose and couplings as the contract states that you will be allowed $50 for jackhamer and accessories. Air and water hose are accessories to the jackhamer. The items of drill steel we are allowing, as we feel that they are supplies and are covered in the contract under items to be purchased.

Please change your copy of the voucher to conform with ours. It should be $603.80 under item (2) "Labor, $176.89 under item (3) "Gas, oil, and supplies" and $2,290.79 under total. The other items should be as you had them listed.

Very truly yours,

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

WAB/mm
cc:
Laurence
Lynch
Morris-3
D. File
Files

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 31 1952

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

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

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

Month of [illegible], 1952 Docket No. DMEA 1900 X Contract No. DMI-1176
Operator's Name [illegible] Mill Mining Co. Minerals
Address [illegible]
Contract Amount, $ 3,125.00 Government Participation 90 % Amount, $ 2,800.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short-Form Contracts:						
Drilling						
Bulldozing	[illegible]	None	[illegible]	800.00		800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	[illegible]	None	[illegible]	603.80		603.80
Supervision	[illegible]	None	[illegible]	320.00		320.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	[illegible]	None	[illegible]	19.75		19.75
Pipe						
Track						
Gas, Oil & Lubricants	[illegible]	None	[illegible]	176.89		176.89
Miscellaneous	[illegible]	None	[illegible]	75.35		75.35
(4) Operating Equipment:						
Rental	[illegible]	None	[illegible]	295.00		295.00
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	[illegible]	None	[illegible]	2290.79		2290.79

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

Date 7-12-52 *Payee [illegible] Mill Mining Co. (Seal)

Per [illegible] Title Secretary

*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:

$ 2061.71

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 176 in accordance with the terms of the contract.

Signature C. T. Peyton Title _____ Date 7/18/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title Executive Officer Date JUL 28 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1952 Docket No. DMEA 1900 x Contract No. [illegible] 170

Operator's Name Powder Hill Mining Company Minerals Zinc

Address Plumtree, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Foot	143.3035		243.30	35		40	2320.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching Bulldozer Trench		800.00	2	800.00	2		2	800.00
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS				2243.30				
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		223.30		223.30				3120.00

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: Move [illegible] to [illegible] 705.

Date 7-12-52 Operator Powder Hill Mining Co.

Per Bruce Clauce Title Secretary

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)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1952

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Summary

Finished cut two trenches with bulldozer thought to vein rock.

Sunk one shaft 25' deep exposing vein rock and filled.
Sunk an shaft 20' deep exposing vein rock.
Now ready to start drifting along the main vein as time permits.

Yukon-Alaska Mining Company

IMA-1900 X, Idm-E176 (mica)
Powder Mill Mining Company, Operators.

The 10-foot test pit mentioned in the voucher was sunk with Field Team approval to explore a mica streak unsovered in one of the bulldozer trenches. This approval was granted on June 24, 1952. No worthwhile mica was found in the 10-foot pit, thus work has been continued in the 25-foot shaft.

Kefton H. Teague

Kefton H. Teague, Geologist

FILE COPY
SURNAME:

Roberson
Smith

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

February 19, 1953

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Nonmetallic Minerals Division

Subject: A closing Review of Docket No. DMA-1900X - Mica
Contract No. Idm-E176
Date of Contract: October 9, 1951
Property: Powder Mill Mine
Roaring Creek Township
Avery County, North Carolina
Applicant: Powder Mill Mining Company
C/o Lewis M. Aldridge, President
Plumtree, North Carolina

Amount approved in Contract $3,120.00
Total Accepted Cost $3,002.42
Government's share @ 90% $2,702.20
Project Work started November 5, 1951
Project Work completed July 29, 1952

Closing Letter: Copy of closing letter is attached. There is no certification of discovery or development.

Docket Summary:

7/31/51 Received application, MF-103.
8/2/51 Application acknowledged.
9/6/51 Date of field examination report by Kefton H. Teague, USGS, and A. L. Peyton, USBM. A proposed exploration project is recommended and a map of proposed work is submitted.
9/25/51 A project in amount of $3,120; approved by Tom Lyon, Director, Supply Division, DMA.
10/9/51 Contract executed; approved amount $3,120.
11/5/51 Project work started.
11/8/51 Amendment No. 1. Gives Operator 10 months from date of contract to complete work.
7/29/52 Project work completed.
9/8/52 Final Field Team Report. Examination made by Kefton H. Teague, USGS, and A. L. Peyton, USBM. A map is included. Report recommends no certification of discovery. Report states no salvage material.

9/30/52 Memorandum , R. E. Van Alstine, USGS, concurring in field report recommendations.
12/19/52 Report of audit review, dated November 13, 1952, by Chambers.

Resume of Project Work:

The project work is more fully described in Final Field Team Report. Briefly, "the exploration consisted of exposing a pegmatite along the strike for 150 feet by a trench, and sinking two test shafts on the exposed pegmatite. The eastern opening is 10'x10'x10' and exposed only badly broken and bent mica books. The western opening is 15'x25' and 35' deep; mica encountered in this opening is mostly scrap."

The exploration project did not discover a commercial deposit of mica, thus, no certification of discovery should be issued.

There is no equipment or material used in excess of $50 value and, therefore, there is no remaining salvage values to recover."

Unit Cost of Project Work:

A rough estimate only can be made. About $1,250 was spent on trenching, and the balance $1,750 was spent on the sinking of 45 feet of shaft. Approximately 1,000 cu. yds. were excavated at a unit cost of about $1.25 per cu. yd. 45 feet of shaft cost $1,750 or $38.39 per linear foot sunk.

Project Cost: (As submitted in Final Audit Review, November 13, 1952.)

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

Total cost as billed by Contractor		$3,002.42
Exceptions:		
By DMEA Finance Officer	-0-	
Herewith	-0-	
		$3,002.42

The contract calls for a 90% participation of exploration expenses by the United States Government. Therefore, payment to the Contractor by the Government in the amount of Two thousand seven hundred two and 20/100 dollars

- $2,702.20

is considered valid and proper.

Closing of Docket:

As no significant discovery of mica was made the accounts and books of IMm-K176 are closed in accordance with a closing letter to the Operator; a copy of the letter is attached hereto.

Jasper T. Robertson
Nonmetallic Minerals Division

JTRobertson:gad 2/19/53

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

☐ Audited

☐ Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12/4/54
Incl. Voucher for July 52

☑ Actual Cost

☐ Agreed Unit Costs

Name Powder Mill Mining Co

Docket No. 1966

State N. C

Commodity Mica

Idm-E No. 176

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	~~40~~	~~800~~	None	None	None
Raising					
Shafts	40	~~1050~~ ~~1112~~ ~~1192~~	40	2202.42	2202.42
Winzes					
Drilling (Specify)					
Surface Excavation		$928		$880	$880
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.		~~$150~~		—	—
Other (Specify)					
Totals		$3120		3002.42	3002.42

Open cuts of large dimensions.

Prepared by L. G. H.

Labor + Supervision dollars expended
$ 1300 allowed 1576.97 spent

FILE COPY
SURNAME:

Robertson
Hoch
Orr
Hoffmyer
Chambers
Hedges
Hoch
F E Johnson

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

600

BW

FEB 27 1953

Mr. Lewis R. Aldridge, President
Powder Mill Mining Company
Flintrock, North Carolina

Re: Docket No. DMA-19301 - Mica
Powder Mill Property
Avery County, North Carolina
Contract No. Km-2176

Dear Mr. Aldridge:

This is with reference to the subject exploration Contract between the Powder Mill Mining Company and the Government.

The final audit of the contract expenditures and the final reports of the Operator and the Field Team have been received and accepted by this Administration. Of the total amount of $3,120.00 approved under the contract, the sum of $3,022.42 was expended, 90 percent of which, or $2,720.20, represented the Government's share. There were no unused materials, supplies or equipment to be disposed of for the joint account of the Operator and the Government. The exploration work was completed in a satisfactory manner.

Because the results of the exploration were unfavorable, it is not our intention to make a certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to paragraph 11 of the Contract which requires the operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract."

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

Sincerely yours,

(signed) FRANK E. JOHNSON
ACTING Administrator

(Ltr) J.H. 3/2/53
(back dated per request of F.W.)

JTRobertson:gad 2/20/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Johnson
Mr. Selfridge
Mr. Hoffland
Mr. Chambers
Field Team, Region VII
Mr. Hoak

FILE COPY
SURNAME:
800

Olcanlu

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

BW.

DEC 19 1952

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

Attention: Mr. Wm. A. Beck

Dear Mr. Lawrence:

Enclosed are an original and two copies of a Report of Review covering Exploration Project Contract No. Idm-E176, Docket No. DMA-1900X, Powder Mill Mining Company.

This Report is being released as a result of your letter of December 12, 1952, which justifies the cost per foot for sinking the last five feet of shaft as reported in the July 1952 Voucher, and the explanation for no drifting.

If this Report is acceptable to you please forward the original and one copy to Mr. Wardell, the DMEA Regional Finance Officer, retaining one copy for your files.

Sincerely yours,

J.N.
12-19-52

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosure

WBorovies/wb
December 18, 1952

Copy to: Docket
Admr. Reading File
M.r Chambers

es

Contract: Oct. 3, 1951
Completion: Aug. 9, 1952
Amendments: 1

Contract # 1am-2170
OMER# 1900X
Name: Powder Mill Mining Co
Form: Old

CONTRACT ALLOWANCE	ITEM	JUNE AMOUNT	JUNE PER FT.	JULY AMOUNT	JULY PER FT.	AMOUNT	PER FT.	AMOUNT	PER FT.	AMOUNT	PER FT.
$ 250.00	Building										
1,120.00	Equipment rented	1095.00									
450.00	Supplies	271.99		58.49							
1,300.00	Labor, Supervis., Taxes, Ins.	923.80		653.17							
$3,120.00		2290.79	35' of Shaft 65.45	711.66	5' of Shaft 142.32						

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

Room 13, Post Office Building
Knoxville, Tennessee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 15 1952

December 12, 1952

Memorandum

To: Jay L. Chambers, Chief, Contract Admin. & Audit Div.

From: Field Team, DMEA - Region 7

Subject: Powder Mill Mining Company, DMA-1900, Idm-E176 (mica)

Your recent letter concerning the above contract has been discussed by the Field Team and the Field Examiners.

In regard to the cost per foot for sinking the last 5-feet of shaft reported in the July 1952 Voucher, this cost is explained as follows: In the June Voucher and Operator's short narrative the statement was made "now ready to start drifting along the mica vein." This statement was made prior to the time the field examiners had an opportunity to visit and examine the test pit. When this examination was made, the operators had not exposed sufficient mica-bearing rock to justify driving a drift. The field examiners recommended that the 25-foot pit be enlarged along the trend of the mica vein and also deepened. The July voucher reflects the cost envolved in enlarging the test pit and also deepening the entire pit an additional 5-feet.

The explanation for no drifting, although provided in the contract, is that no mica bearing rock was found which would justify driving a drift on it. If suitable mica-bearing rock had been uncovered, it would have been necessary to increase the amount of the contract

Wm. A. Beck

Wm. A. Beck, Acting Executive Officer
DMEA Field Team, Region 7

K. H. Teague

K. H. Teague, for R. A. Laurence
U. S. Geological Survey

Copy to Mr. Selfridge
12/18/52

IN REPLY REFER TO:
G-MD-CNM

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

September 30, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-1900X (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: Powder Mill Mining Company, C/O Lewie M. Aldridge, Plumtree, North Carolina
Name of property: Powder Mill mine
Location of property: About 2.5 airline miles due north of Plumtree, Avery County, North Carolina
Date of field team report: September 19, 1952
Authorship of field team report: K. H. Teague, A. L. Peyton
Field team's recommendation:

Final report stating that no commercial deposit of mica was found as a result of this project (total cost $3,002.42); thus no certification of discovery should be made.

Comments:

Muscovite found to constitute less than 1 percent of pegmatite; it is not of strategic quality.

Action Suggested:

Follow field team's recommendation.

R. E. Van Alstine
R. E. Van Alstine

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

September 22, 1952

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-1900 - Idm-E-176 (mica) - Final Report
Powder Mill Mine - Powder Mill Mining Company

Enclosed herewith are 4 copies of the final report on the subject exploration contract. The Field Team agrees with the findings and concurs in the recommendation that a discovery should not be certified.

Robert A. Laurence

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

Wm. A. Beck

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

Enclosures 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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SEP 24 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

DMEA-1900X, Idm-E176, POWDER MILL MINE
(Mica)

Operator: Powder Mill Mining Company
c/o Lewis M. Aldridge, Plumtree, N.C.

By

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

-

-

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 24 1952

F.T. FINAL RPT.

Reviewed by
DMEA OPERATING COMMITTEE
9/29/52
(date)

September 19, 1952

FINAL REPORT

IMEA-1900X, Idm-E176, POWDER MILL MINE
(mica)

Operator: Powder Mill Mining Company
c/o Lewie M. Aldridge, Plumtree, N.C.

The Powder Mill Mine is located along the north side of a sharp ridge, a short distance south of Powder Mill Creek. The mine is approximately 2.5 airline miles due north of Plumtree, Avery County, North Carolina.

Exploration exposed a large pegmatite body, lean in mica. An estimated 4,000 to 5,000 pounds of mica, including scrap and block, was recovered during the project. Of that recovered an estimated 500 pounds was suitable for processing. The largest trimmed sheet that could be obtained is estimated at 2 x 2 inches. The Field Team believes that this deposit was sufficiently explored and that production is not economically feasible, thus a discovery should not be certified.

This project was begun on November 5, 1951, and completed July 29, 1952. During the winter months the project was suspended because of severe weather and difficulty of access. Exploration consisted of exposing the pegmatite along the strike for 150 feet by a trench and sinking two test shafts on the exposed pegmatite. The eastern opening is 10 x 10 x 10 feet and exposed only badly broken and bent mica books. The western opening has cross section dimensions of 15 x 25 feet and is 35 feet deep. Mica encountered in this opening is mostly scrap.

The large pegmatite explored by this project trends in a general east-west direction, dipping 70° - 80° to the south. The intrusion is up to 30 feet or more thick, but mica occurs only along the hanging wall contact with the conformable hornblende gneiss country rock. There is no apparent zoning showing in the exposures. The pegmatite consists of potash and soda feldspar, small grains to small lenses of quartz, and muscovite and biotite mica. Some of the feldspar is free enough of impurities to be saleable, and about five tons of No. 2 spar was recovered during exploration.

Mica occurs in a discontinuous zone along the hanging wall contact. This zone is generally about two feet thick, and consists of plagioclase feldspar, small quartz, muscovite and biotite. The muscovite is not abundant, probably composing less than one percent of the rock in place.

The mica is hard and generally clear. Occasionally black spots are present in some of the books. It ranges in size up to 4 inches across, but cracks and black spots, reduce the sizes of sheet that can be obtained. The color of the mica is a brown with a slight greenish cast. To date the Spruce Pine Mica Depot has refused to buy mica of this color.

The exploration project did not discover a commercial deposit of mica, thus, no certification of Discovery should be issued.

This contract was for $3,120.00 of which the Government's share was 90 percent or $2,808.00. A total of $3,002.42 was expended. The Government's share was $2,702.20, thus leaving the sum of $105.80 of the Government's money unexpended. No royalty was obtained from the project.

The project was operated efficiently and the Operator was competent.

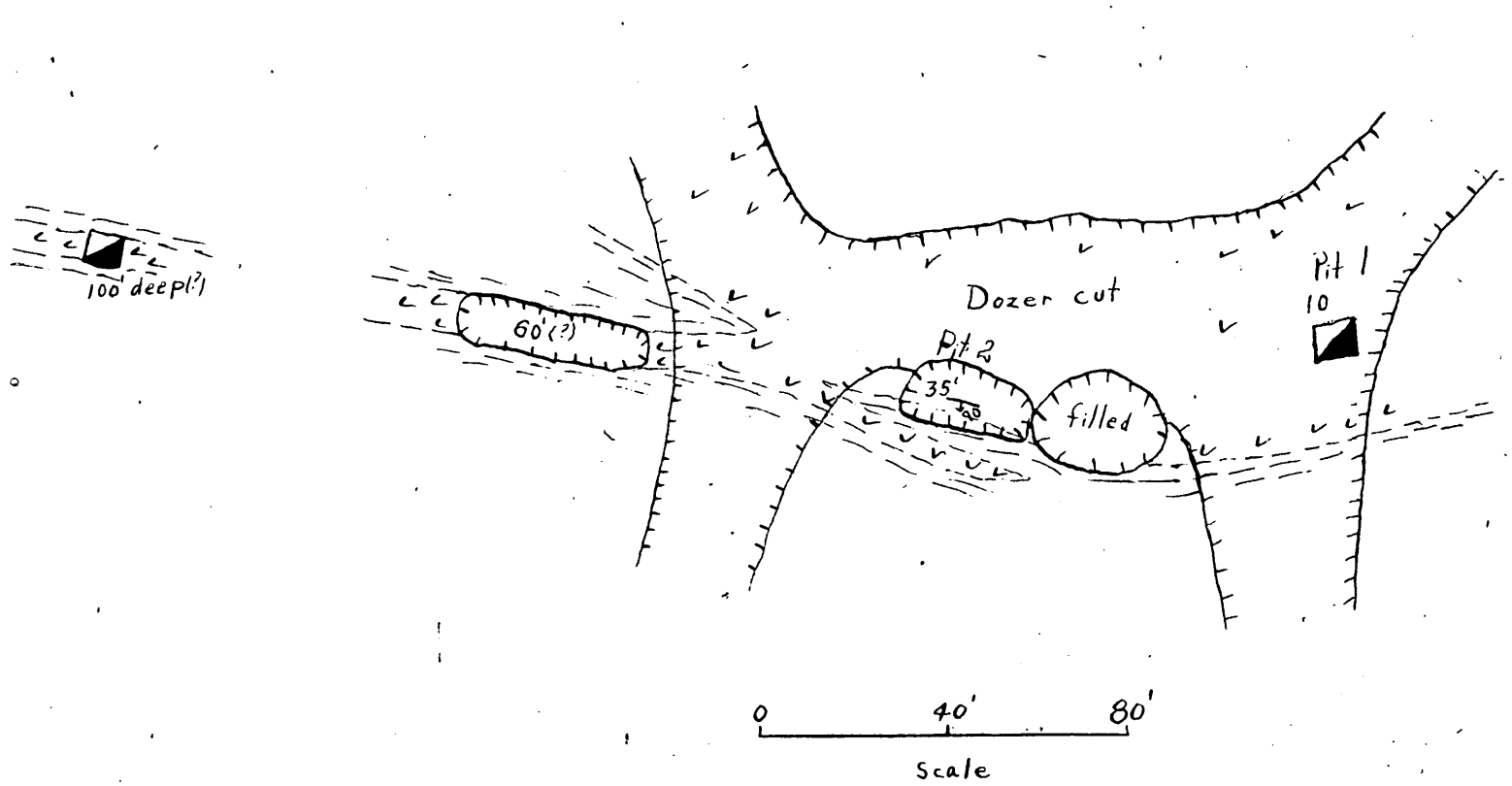
No equipment costing in excess of $50.00 was purchased for the project, thus no salvage value.

Sept. 19, 1952

? surplus

K. H. Teague, USBS

A. L. Peyton, USBM



Sketch of Exploration
at
Powder Mill Mine
Avery Co., N.C.
DMEA-1900X

Pegmatite

Hornblende gneiss

9/52

FILE COPY
SURNAME:

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

Hearne
Houk
Matthews

SEP 2 1952

Powder Mill Mining Company
c/o Lewis M. Aldridge, President
Plumtree, North Carolina

Subject: Docket No. DMEA-1900 - Mica
Powder Mill Property
Avery County, North Carolina
Contract Idm-K176

Gentlemen:

Reference is made to "Operator's Monthly Report and Voucher", and "Operator's Unit Cost and Progress Report" for the month of July on the subject contract. The Operator's narrative report, which should have been included with the other two mentioned above, has not been received.

The monthly total of $711.66 appears unduly high for sinking the shaft from thirty-five to forty feet and it is, therefore, requested that four copies of the Operator's narrative report for July be submitted to the Executive Officer, Region VII, promptly.

We are enclosing a specimen of a monthly report received from another applicant for your information and guidance in preparing the narrative section of your subsequent monthly reports. Your monthly report (narrative section) need not be as detailed as the enclosed monthly report but should describe your operations.

Sincerely yours,

Signed

L.H. 9-2-52

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosure

LFHearne:gad 9/2/52

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

Memorandum

To: Mr. Robert A. Laurence, Executive Officer, Region VII, DMEA

From: Operating Committee, DMEA

Subject: Interim Reports

Reference is made to the Interim Reports on the following Contracts:

DMEA-1875	Fred Arrowood
DMEA-1900	Powder Mill Mining Co.
DMEA-2416	Yancey Mica Mine
DMEA-2344	Caleb J. Keller
DMEA-2375	Swannanoa Mine
DMEA-2379	Sinkhole Miners

Please note Memorandum No. 9, dated July 15, 1952, from the Operating Committee to all Field Teams, Page 4, Interim Reports. It is suggested that the Field Team adhere to the outline covering all phases of the operation. If the Field Engineer can complete a supplemental interim report from his notes this office would be pleased to receive it; however, if this is not possible all subsequent interim reports should follow the outline as closely as possible.

- S - Frank E Johnson
8/13/52
Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

C. H. Johnson
Member, Bureau of Mines

D. M. Lemmon
Member, Geological Survey

LGHouk:gad;mp 8/12/52
cc: Operating Committee
Adm. Reading File
Files
Mr. Houk
Mr. Dietrich
Mr. Norton, G-232, GSA Bldg.

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
[redacted]

Room 13, Post Office Building
Knoxville 2, Tennessee

August 5, 1952

Powder Mill Mining Company
Lewis M. Aldridge, Pres.
Plumtree, North Carolina

Re: DMEA-1900, Idm-4176
Powder Mill Mine (mica)

Dear Mr. Aldridge:

The subject exploration contract, as amended, will expire on August 9 unless further amended. Please advise me whether the work will be completed by that time so that an amendment to extend the time further may be written if it appears to be justified. The letter should contain an explanation of the delays which prevented completion before the expiration date.

Very truly yours,

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

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

INTERIM REPORT

DMEA-1900, Idm-E176. (mica)

POWDER MILL MINING COMPANY, Inc.
Plumtree, North Carolina

Bulldozing completed during June. Shaft sinking is in progress, after digging a 10-foot test pit (with approval of field engineers) on a small pegmatite uncovered during bulldozing.

Results to date have been discouraging. Project visited on August 1.

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

August 4, 1952

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

OFFICE OF
REGIONAL DIRECTOR

P. O. BOX 217
NORRIS, TENNESSEE

July 29, 1952

Memorandum

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

From: Administrative Officer, Region VII, Norris, Tennessee

Subject: June Voucher - Powder Mill Mining Company

We are enclosing two copies of the June voucher covering the following contract:

Idm-E-176 Powder Mill Mining Company
Docket No. DMEA-1900
1st payment - month of June 1952 - amount $2,061.71
Actual Starting Date: November 5, 1951

Helen R. Miller
Helen R. Miller

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 31 1952

DOCKET

IMA-19007, Idm-E176. Powder Mill Mining Co. (mica)

Amendment to contract was made because adverse weather conditions and poor access would greatly increase the cost of the project during winter months.

Justification

DEPARTMENT OF THE INTERIOR
Docket Library
JUL 10 1934

OFFICE OF THE ADMINISTRATOR

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

May 23, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA, Field Team, Region VII

Subject: Docket No. DMEA-1900, Idm-E176 (Mica)
Powder Mill Mining Company
Your letter of May 19, 1952

This Operator began work about November 5, 1951. On the first day, the bulldozer broke down. Because of this delay, the adverse weather conditions, and some difficulties over access, work was recessed until spring. Operator is now at work on the project, which runs until August 9, under Amendment No. I, and a monthly progress report for May is anticipated.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 26 1952

Robert A. Laurence

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

FILE COPY
SURNAME:

Houk

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

MAY 19 1952

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region VII
Room 13, Post Office Building
Knoxville 1, Tennessee

Subject: Docket No. DMEA-1900 - Mica
Powder Mill Mining Company
Avery County, North Carolina
Exploration Project Contract
No. Idm-E176

Dear Mr. Laurence:

Reference is made to the subject contract dated October 9, 1951, and Contract Amendment No. 1, dated November 30, amending Item 3 to provide that the Operator may begin work within six (6) months from the date of the contract.

Inasmuch as over seven months have elapsed since the contract was signed, and no information has been received in this office, we wish to be informed if this contract has been consummated.

If the Operator desires to terminate the contract kindly attempt to terminate it by mutual agreement.

Sincerely yours,

cc 5/19 (HB)

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

W. H. Hedges (HB)
Member, Bureau of Mines

D. M. Lemmon
Member, Geological Survey

LGHouk:gad 5/16/52

Copy to: Admin. Reading File
Operating Committee
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

Memorandum

To: Chief, Non-Metallics Branch, Mining Requirements Division, DMEA

From: Chief, Non-Metallic Minerals Division, DMEA

Subject: Comments on Priority Request.

Reference is made to a letter of April 12, 1952, from Frank W. Phillips requesting priority assistance in obtaining one Caterpillar D-7 Tractor equipped with Caterpillar 7-A Hydraulic Dozer, Caterpillar No. 46 Hydraulic Control and Hyster D7H Towing winch. The approximate cost of this equipment is $17,293.00, F.O.B. Peoria, Illinois.

Mr. Frank Phillips is President of the Mitchell Lumber Company and is said to hold 50% of its stock. From 1942 to 1946 he operated the Moulton Mine. From 1943 to 1946 he operated the Double Head Mine. From 1943 to 1947 he operated the Dagger Mine. He is a stockholder in the Ryder Hill Mining Company which has a contract with DMEA, No. 1900, Idm-E176, for $3,120. The work to be accomplished in this contract by bulldozer, complete with operator, fuel and repairs is estimated to be 64 hours at $12.50 per hour or $800.00.

He has made an application for exploration assistance at the Sinkhole Mine, DMEA-2379. This application has not been finalized into a contract, and it is not anticipated that bulldozing work will be needed there.

DMEA-2253, is in the name of Toe River Mining Company, Pine Knob and Kelly Mine, and the Field Team has recommended that a bulldozer be rented for 120 hours for $12.50 per hour, or a total of $1,500, the cost to include operator, fuel and repairs. The Toe River Mining Company is a partnership venture of which Mr. Frank Phillips owns one-third interest.

We trust this information will prove sufficient for your purposes.

LGHouk:gad 4/29/52

Copy to: Admin. Reading File
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

Signed 4.30.52

Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

FILE COPY
SURNAME:

410

FLKnouse
Mittendorf

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

December 3, 1951

Memorandum

To: Chief, Finance Section

From: Mr. C. O. Mittendorf
Acting Administrator

Subject: Docket No. DMA-1900X
Powder Mill Mining Company, a Corporation
Exploration Project Contract Idm-E176

Herewith please find copy of letter dated November 28, 1951 from Mr. Robert A. Laurence, Executive Officer, Region VII, and a copy of an Amendment. Please forward the copy of the Amendment to the Finance Officer, Region VII, for attachment to his copy of the contract.

C. O. Mittendorf (fw)

N.S
R+R

Enclosures
FLKnouse/meb

cc to: Adm.Reading File
Reports & Records
Mr.Mittendorf.
FLKnouse
Field Team,Reg.VII(2)
Docket

FILE COPY
SURNAME:

410

FLKnouse
Mittendorf

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

December 3, 1951

Memorandum

To: Reports and Records Section

From: Mr. C. O. Mittendorf
Acting Administrator

Subject: Docket No. DMA-1900X
Powder Mill Mining Company, a Corporation
Exploration Project Contract Idm-E176

Enclosed is an original of a letter dated November 28, 1951 from Mr. Robert A. Laurence, Executive Officer, Region VII, and a copy of an Amendment. Please attach the copy of the Amendment to your copy of the contract.

12/7 C. O. Mittendorf (fw)

Enclosures

FLKnouse/meb

cc to: Adm.Reading File
Reports & Records
Mr. Mittendorf
FLKnouse
Docket

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.

MICA

UNITED STATES
DEPARTMENT OF THE INTERIOR

NOV 30 8 49 AM '51

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

November 28, 1951

Mr. Frank E. Johnson
Acting Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMA-1900X - Mica
Powder Mill Mining Company, a Corp.
Exploration Project Contract Idm-E176

Dear Mr. Johnson:

Enclosed herewith are the original and three copies of contract amendment to provide that the Operator may begin work within six months from the date of contract, instead of 30 days, and to complete the project within a period of 10 months from the date of contract. This amendment was made because of adverse weather conditions.

One copy of amendment was retained by Powder Mill Mining Company, a Corporation and one retained in this office.

Sincerely,

Robert A. Laurence

Robert A. Laurence
Executive Officer
Field Team, Region VII

Enclosure

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
OCT 15 10 44 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GEOLOGICAL SURVEY~~
DEFENSE MINERALS ADMINISTRATION
Room 13, Post Office Building
Knoxville 2, Tennessee

DEPARTMENT OF THE INTERIOR
RECEIVED
OCT 1 5 1951
Defense Minerals Administration,
Production Expansion Division.

October 12, 1951

Mr. C. O. Mittendorf, Director
Production Expansion Division
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Re: Docket DMA-1900X, Mica
Exploration Project Contract
Idm-E176
Powder Mill Mining Company
Plumtree, North Carolina

Dear Mr. Mittendorf:

We have received, on this date, one signed and approved copy of Exploration Contract No. DMA - 1900X - Idm-E176 with Exhibit "A", photostat negatives of map showing proposed exploration by Powder Mill Mining Company and Landlord's Subordination Agreement. Also, an additional field team work copy of the above designated material.

Sincerely,

Robert A. Laurence

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

400 FILE COPY
SURNAME:

Ellis
Mittendorf (jw)

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

OCT 12 1951

A.E.C.

Contract Service Section
General Accounting Office
Washington 25, D. C.

Re: Docket No. DMA-1900X, Mica
Exploration Project Contract
Idm-E176
Powder Mill Mining Company
Plumtree, North Carolina

Gentlemen:

Enclosed for recording in your office is the original, signed copy of an Exploration Project Contract executed between the operator named in the above reference and the Government of the United States.

Sincerely yours,

C. O. Mittendorf (J.H.) 10/12

C. O. Mittendorf, Director
Production Expansion Division

Enclosure-1

EWEllis/jem
10-9-51

cc to: Adm. Reading File
Reports & Records
Messrs. Mittendorf, Olund
Mr. Ellis
Docket

FILE COPY
SURNAME:

400

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

AIR MAIL

OCT 11 1951

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

Re: Docket DMA-1900A, Mica
Exploration Project Contract
Idm-E176
Powder Mill Mining Company
Plumtree, North Carolina

Dear Mr. Laurence:

Enclosed for the use of your office is a copy of the contract covering the subject exploration project, which has been signed for the Powder Mill Mining Company and for the Defense Minerals Administration. An additional Field Team work copy is also enclosed in accordance with the conference of Field Team Geologists held in Washington last week.

A copy for the Regional Finance Officer will be forwarded by the Washington Finance Division.

Sincerely yours,

C. O. Mittendorf (a. t.)

C. O. Mittendorf, Director
Production Expansion Division

Enclosures-2

EWEllis/jem
10-9-51

cc to: Adm. Reading File
Reports & Records
Docket
Messrs. Mittendorf, Olund
Lyon
Barr
Josephson
Norton
Ellis
Field Team, Region VII

FILE COPY
SURNAME:

400

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

OCT 1 1 1951

AIR MAIL

Mr. Lewie M. Aldridge, Pres.
Powder Mill Mining Company
Plumtree, North Carolina

Re: Docket No. DMA-1900X, Mica Exploration Project Contract Idm-E176

Dear Mr. Aldridge:

Enclosed find executed Exploration Project Contract No. Idm-E176 dated October 9, 1951 with attached exhibits and Subordination Agreement; also a set of monthly Progress Reports (Form-104). A progress report is to be submitted monthly in quadruplicate to the DMA field team representative in your area where additional copies may be obtained. Said report is also your voucher for payment of the Government's share. The address of the Executive Officer of Region VII is as follows:

Mr. Robert A. Laurence
Executive Officer
DMA Field Team, Region VII
Room 13, Post Office Bldg.
Knoxville, 01, Tennessee

A press release dated May 14, 1951 on "Questions and Answers on the Minerals Exploration Program" is enclosed for your information.

Sincerely yours,

G. O. Mittendorf

G. O. Mittendorf, Director
Production Expansion Division

Enclosures

EWEllis/jem
10-9-51

cc to: Adm. Reading File
Reports & Records
Docket
Messrs. Mittendorf, Olund
Mr. Lyon
Mr. Barr
Mr. Josephson
Mr. Norton
Laurence, Region VII (2)

Mr. Ellis

FILE COPY
SURNAME:
Guthrie

140

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

October 5, 1951

Memorandum

To: Director, Production Expansion Division

From: General Counsel

Subject: Powder Mill Mining Company exploration project contract — Docket No. DMA-1900X

The proposed exploration contract in this case, submitted to us on October 4, 1951, is approved as to legal form and sufficiency for signature on behalf of the Government, subject to:

1. Proper signature on behalf of the applicant.

2. Proper dating prior to delivery.

3. Proper completion of the subordination agreement by the insertion therein at the appropriate places of the name of the applicant and the date of the exploration contract.

Your file is returned herewith.

J. L. Hofflund

J. L. Hofflund
General Counsel

Attachment
RRGuthrie/bjl

Copy to: Repts. & ~~Cor~~ Records
J. L. Hofflund
R. R. Guthrie
Chron.

not stipped
RtR

SEP 25 1951

Memorandum:

To: Director, Production Expansion Division
Defense Minerals Administration

From: Director, Supply Division
Defense Minerals Administration

Subject: Recommendation for Contract Approval

Name of Applicant: Powder Mill Mining Co.
c/o Lewie M Aldridge, President
Plumtree, N. C.

DMA No. 1900X

Commodity: Mica

Amount Requested: $ 16,110

Amount Approved: $ 3,120

Government Participation: 90% $ 2,808

Tom Lyon

Approved:

Tom Lyon

Director, Supply Division

FILE COPY
SURNAME:

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

SEP 25 1951

370

September 21, 1951

Memorandum

To: Chief, Industrial Minerals Branch, DMA

From: Chief, Programming & Planning, DMA

Subject: DMA-1900X Powder Mill Mining Co.
c/o Lewis M. Aldridge, President
Plumtree, N. C.
Commodity: Mica
Amount: 90% of $3,120

The prospective available supply of strategic mica is far short of meeting defense requirements. Consequently, it is highly desirable that exploration for new domestic deposits be stimulated by any reasonable Government assistance to private interests. Any exploration project that holds promise of finding significant new reserves, merits consideration by Defense Minerals Administration.

[redacted] E. Parsons

A. E. Parsons

not stripped in RTR.

RWASKEY:mp
9-21-51
cc: Field Team, Region VII (2)
Mr. Mittendorf
Mr. Norton
Mr. Parsons
Mr. Barr
DMA Docket File

W. C.

IN REPLY REFER TO:

G-MD-JJN

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

Memorandum

To: Robert Waskey, Defense Minerals Administration

From: J. J. Norton, Mineral Deposits Branch

Subject: Application DMA-1900X from the Powder Mill Mining Company for mica exploration in Avery County, North Carolina.

Our files contain no unpublished data on the Powder Mill property, for which the Powder Mill Mining Company has submitted Application DMA-1900X to do $16,110 worth of exploration. It is possible that the Knoxville files contain some data that we don't have here.

This deposit has been known for many years. The little that has been published on this property leads me to suspect that not much of the mica is good-stained or better.

This application should be referred to the field team. All necessary geologic data should be acquired. The quality of the mica should be determined, or samples of the mica should be sent to Washington.

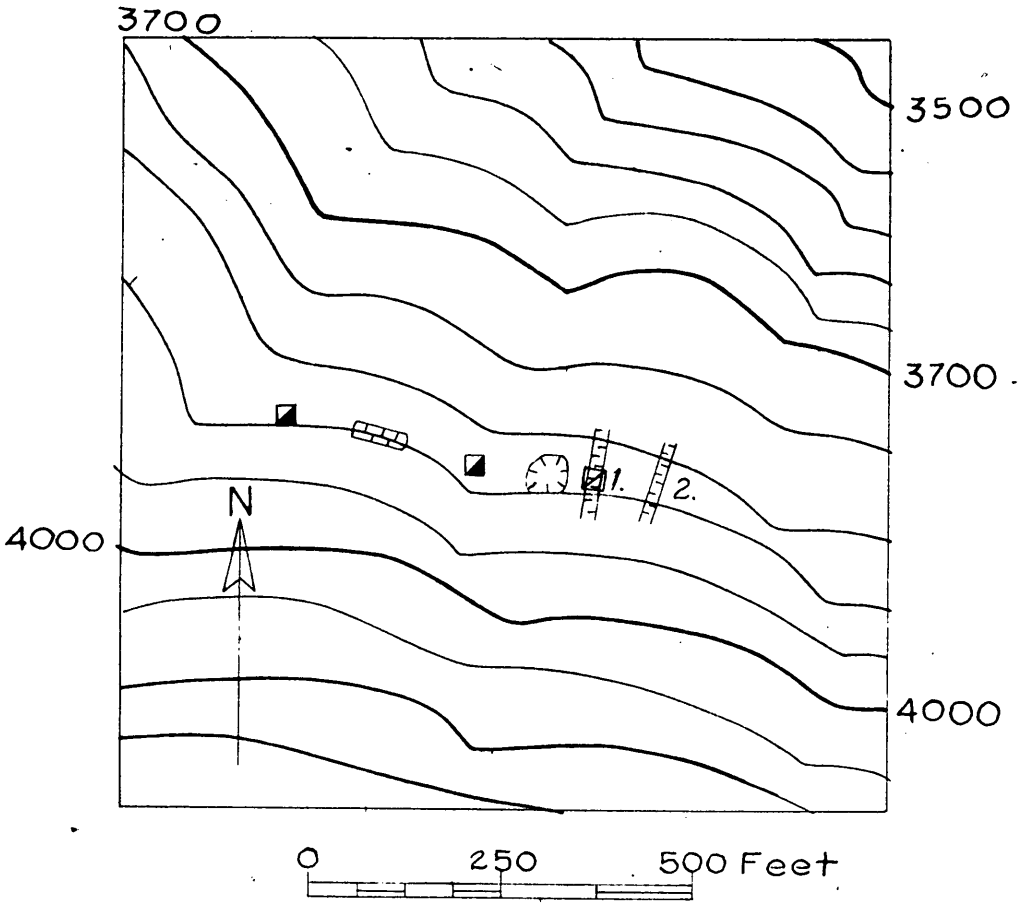
J. J. Norton

J. J. Norton

why here ?

no attachments on above memo

no date.



Proposed Exploration by
Powder Milling Mining Company
D.M.A. 1900 X Avery Co. N.C.

- Present Shaft
- Present Opencut or trench
- 1. Proposed dozer trench
- Proposed shaft

FILE COPY
SURNAME:

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

370

Name
Ron
Moon

AUG 17 1951

Powder Mill Mining Company
c/o Lewis M. Aldridge, President
Flintree, North Carolina

Re: DMA-1900X-Mica
Powder Mill Mine

G. E. C.

Gentlemen:

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

Sincerely yours,

SIGNED BJ 8/17

Tom Lyon, Director
Supply Division

RWASKNY:mp
8/15/41
cc: DMA Field Team, Region VII (2)
Z10
Mr. Lyon
Mr. Barr
DMA Files

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

370

AUG 17 1951

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Applicant Powder Mill Mining Co. c/o Lewis M. Aldridge, Pres.

Docket No. DMA-1900X

Commodity Mica

Amount $ 16,110.00

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

C. BRASWELL COLLINS
ATTORNEY AT LAW
THE ARLINGTON BUILDING
1025 VERMONT AVENUE, N. W.
WASHINGTON 5, D. C.

NATIONAL 7808

August 13, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 14 1951

Mr. James A. Barr, Sr.
Chief, Industrial Minerals Branch
Defense Minerals Administration
Room 3536, New Interior Bldg.
Washington, D. C.

Dear Mr. Barr:

This is to transmit to your office the certified copies prepared by the Secretary of State of North Carolina of the Certificates of Incorporation for the applications previously filed as set forth below:

Meadow Mine Mica Company	1903 X
Charles Mining Company	1912 X
Cook Mining Company, Inc.	1917 X
Powder Mill Mining Company	1900 X

It would be greatly appreciated if these official copies were inserted in the original file of each of the applications.

Thanking you in advance for your cooperation,

Sincerely yours,

C. Braswell Collins

C. Braswell Collins

CBC:EBN

DMA-1900X Exploration
Mica
Region VII

Powder Mill Mining Co, Avery Co., N. C.
$16,110 is requested to make a total of four dozer cuts from the abandoned mine face. The field should check the geologic data and quality of mica.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMA-1900X

POWDER MILL MINE
Avery County, North Carolina

ON-SITE EXAM RPT.

By

Kefton H. Teague, Geologist
U. S. Geological Survey
and
A. L. Peyton, Engineer
U. S. Bureau of Mines

September 6, 1951

DMA-1900X
Report of Field Team Examination on
Powder Mill Mine
Avery County, North Carolina

The Powder Mill Mine is located along the north side of a sharp ridge which is only a short distance south of Powder Mill, Creek, Avery County, North Carolina. The mine is approximately 2.5 miles north of Plumtree.

The Powder Mill Mine as designated by the applicant consists of three, more or less, distinct areas, namely - the Lincoln Rock (east), the Big Shaft Mine (middle), and the Shop Mine (west). During World War II considerable mica was produced from the Lincoln Rock Mine (see attached reports by U.S.G.S.). Little or no production is reported from either the Big Shaft or Shop Mines.

All of the openings on the property follow more or less an east-west line. Whether or not the openings are on the same pegmatite is unknown; however, they do appear to be in the same zone. Everywhere the strike of the pegmatite and the conformable hornblende gneiss country rock is about east-west, with dips ranging from near vertical to about 45° South. Within the Lincoln Rock area the pegmatite "rolls" both along the strike and dip. Apparently this condition persists to the west at the Big Shaft and Shop openings; however, lack of exposures prevent verification with certainty.

Fresh hard rock is present at the surface at the Lincoln Rock and Shop mines. In the Big Shaft area weathered to semi-weathered rock occurs to a depth of between 20-35 feet.

Quality of mica at the three areas is similar. It is reddish rum in color, clear, hard, flat, and splits well. Occasionally black spots occur, apparently of biotite; these spots can be removed in sheeting. As shown in the attached report 8,091.15 pounds of punch and sheet mica was sold to the Colonial Mica Corporation for $46,238.08 from the Lincoln Rock Mine during the interval June, 1943 through December, 1944. 46,238.08

The applicant is interested in exploring the Big Shaft or middle area. At this place existing workings consist of an open cut about 40-feet in diameter, with a depth of 15-feet and a shaft, partly caved, reported to be about 100-feet deep. The open cut was used to mine feldspar and the shaft to mine mica. At present the mica producing zone is not exposed. The pegmatite strikes about east-west and has a near vertical dip.

The proposal as made by the Applicant involves 4 bulldozer trenches across the probable extension of the pegmatite eastward from the open cut, with 30-feet test pits from each cut. This work was to be followed by 6,100-foot diamond drill holes. The deposit does not lend itself readily to drilling because of the nature of the pegmatite and the topography, thus the Field Team recommends that the drilling phase of the exploration be dropped.

As shown on the attached map the Field Team recommends a limited amount of trenching (2) and one test pit to explore the possible continuation of the mica-bearing zone eastward from the open cut. Trench # 1 should be located 25-50 feet east of the open cut, be approximately 100-feet long, 10 feet wide, and 10-15 feet deep. It should be directed to more or less crosscut the pegmatite. Trench #2 should be located 75-100 feet east of Trench #1, and be approximately parallel to and of the same dimensions as Trench # 1. Following the trenching one 5 x 7 foot test pit not to exceed 40 feet in depth, should be sunk from the more promising trench. From the bottom of the test pit drifts not to exceed 40-feet in length should be made in the mica zone.

Estimated cost of exploration are as follows:

Equipment (Rental)

1 - Bulldozer @ $12.50/hr. for 8 days	$800.00
1- Compressor @ $175/mo. for 1 mo.	175.00
1 - Pump @ $25/mo. for 1 mo.	25.00
1 - Jackhammer & accessories @ $50/mo. for 1 mo.	50.00
1 - Hoist @ $70/mo. for 1 mo.	70.00
Sub-total	$ 1120.00

Equipment (Purchase)

Miscellaneous hand tools	150.00
Drill bits	50.00
Sub-total	$ 200.00

Labor

1 - Working Foreman @ $2/hr. for 28 shifts	448.00
1 - Miner @ $1.50/hr. for 20 shifts	240.00
2 - Muckers @ $1.00/hr. for 20 shifts	320.00
1 - Laborer @ $ .85/hr. for 20 shifts	136.00
Payroll taxes and Insurance	156.00
Sub-total	1300.00

Labor

1 - Tool shed 10 x 10 feet		$250.00
	Sub-total	$250.00
Dynamite and caps		175.00
Miscellaneous supplies		75.00
	Sub-total	$250.00

Estimated total costs $$3120.00
Estimated time required 2$ shifts.

COPY
(U.S. Geological Survey files)

COPY

LINCOLN ROCK MICA MINE
AVERY COUNTY, NORTH CAROLINA

July 1944

W. R. Griffitts

Introduction

The Lincoln Rock mines lies near the crest of a sharp ridge that extends east from Deep Gap Mountain in Avery County, North Carolina. North of the ridge and about 250 feet below the mine is Powdermill Creek. South of the ridge is Lincoln Hollow. One can reach the mine by turning ~~east~~ west from U. S. Highway 19E on the northeast side of a bridge over the South Toe River about 2 1/2 miles north of Plumtree, North Carolina, and then driving 1 mile west to the Powdermill Creek sawmill. A sled road leads from the western end of the sawmill to the mine. At both forks in the sled road the right (north) branch should be followed.

The mine was mapped during the period June 15-19, 1944, by W. R. Griffitts and J. R. Wolfe, Jr., The Work was done as part of the Strategic Minerals Investigations of the Geological Survey, U. S. Department of the Interior, and was in cooperation with the North Carolina Department of Conservation and Development.

The principal workings are seven cuts in a row that trends N. 30° E. for 450 feet. One cut has been extended down the dip of the pegmatite for about 60 feet, and from the westernmost cut an incline has been driven 100 feet southward at a slope of 35 degrees. An adit has been driven 30 feet southward into the hill 120 feet east of the eastern end of the row of cuts. Mica valued at $500 was found in the adit, but work was halted because of labor shortage.

Country rock

The country rock is cheifly a hornblende gneiss that is composed of hornblende, plagioclase, epidote, and garnet. Also present are numerous 1- to 10-feet layers of biotite gneiss, consisting of biotite, quartz, plagioclase, epidote, and garnet. The mineral grains of both rock types average about 1/10 inch in diameter. Local streaks of hornblende gneiss contain hornblende crystals nearly 1/4 inch long.

The strike of the country rock is generally N 60° E. to N. 70° E. The dip ranges from 45 to 65 degrees southeast. Except near the pegmatite, the attitude of the country rock is very uniform.

Pegmatite

The mineral constituents of the pegmatite are, in order of decreasing abundance, oligoclase, quartz, muscovite, biotite, allanite, and apatite. Garnet is rare. Much of the oligoclase is farily clear. Quartz is present as irregular grains between the oligoclase crystals and in a few long streaks 3 to 4 inches wide near the core of the pegmatite. Biotite and muscovite are found together, and are not restricted to any zone in the pegmatite. Allanite and apatite are unusually plentiful. They occur in feldspar, and may be more abundant near the contacts than elsewhere.

The pegmatite is generally conformable with the country rock. It strikes N. 60° E. and dips 45 degrees southeast. The thickness ranges along the strike from a foot or less to nearly 12 feet. The body of pegmatite in the mine is 8 to 10 feet thick near the middle of the incline, but it thins to a foot or two to the east and west. This thinning is rather abrupt. The north-south length exposed at present is about 110 feet. Neither end is visible, so that the shape of the entire mass is not known with certainty; it may well be a large lens.

In the incline are two elongated downwarps and one upwarp that are shown in the footwall of the pegmatite. These plunge a few degrees east of south at an angle of about 40 degree. An upwarp in the hanging wall is present in the easternmost cut, and plunges S. 8° E. at about 35 degrees.

In the cut east of the main incline is a continuous, fairly fine and even-grained pegmatite that contains no mica. Scattered patches of mica-bearing pegmatite occur 2 or 3 feet above this. The barren pegmatite can be projected a few feet west to connect with similar pegmatite east of the tracks leading to the incline. As traced down dip along the east wall of the incline, this pegmatite appears to become mica bearing. The west wall of the cut leading to the incline exposes barren pegmatite. In the distance across the cut, about 8 feet, it thickens from perhaps two feet on the east side to at least 6 feet on the west side. The barren pegmatite west of the track strikes N. 70° W., and cuts across the foliation of the country rock. It diverges from the mica-bearing pegmatite in the mines, which, striking N. 60° E., is concordant with the foliation. Both pegmatites dip to the south at about 45 degrees. The barren pegmatite in the west wall of the cut can be seen to finger out abruptly in gneiss in a down-dip direction. The barren type of pegmatite was not seen elsewhere in the mine.

There are two interpretations of the above relations. First, the barren pegmatite may be slightly younger than the mica-bearing pegmatite. It may have entered along the

foliation planes of the gneiss east of the incline, and then, about at the present site of the tracks, may have risen to the horizon of the mica-bearing pegmatite and farther west curved downward, away from the other pegmatite. It must have pinched or fingered out to the south in at least part of the area under discussion. The apparent gradation of barren pegmatite into mica-bearing pegmatite would be due to indistinctness of the contact between two very similar rock masses. Barren pegmatite, apparently slightly younger than the mica-bearing pegmatite, has been found in several nearby mines making its presence possible in the Lincoln Rock mine. This interpretation, however, requires two rather unusual coincidences. First, the barren pegmatite must have become just tangent to the mica-bearing pegmatite, then curved away, thickening abruptly. Second, it must have pinched out, possibly leaving a thin pegmatite to dip sharply between it and the mica-bearing pegmatite.

The second interpretation is that there is but one forked pegmatite. The split would have to occur in the first cut east of the incline. East of the incline the lower branch would lie parallel with the upper one and a few feet below it. At the incline the lower fork thickens, the upper contact apparently crossing the country-rock foliation to rise to the level of the upper branch. The two forks diverge to the west.

The main difference between the two interpretations lies in the different assumptions regarding the relative ages of the pegmatites. The first interpretation is preferred. The difficulties involved in it are present also in the second. In addition, the second interpretation requires two forks of the same pegmatite to be strikingly different in their relations with the country rock, as well as in their mica content. Such a condition is possible, but should not be postulated without more evidence than is available at present.

Mica

The mica is reddish rum in color. Most is clear, but there are some specks, apparently of biotite, that can be sheeted out. There are some intergrowths of muscovite and biotite. The surfaces separating the two types of mica may be either parallel or transverse to the cleavage common to both. Some books of biotite several inches across contain long, narrow ribbons of muscovite. The long dimension of each ribbon is parallel to the cleavage of the biotite and the cleavage planes of the two crystals are perpendicular.

Localization of mica

Most of the mica has been taken from the lower half to one-third of the pegmatite, although some is found near the middle and some near the hanging wall. The mica from near the hanging wall is said not to sheet well. An unusually rich pocket of mica was found at the southwestern corner of the incline, in the bottom of a downwarp in the footwall. This indicates that rolls may be significant in governing localization of the mica.

Recommendations

The general outline and dip of the pegmatite mined in the incline and the southward plunge of the rolls in the hanging wall and footwall suggest that the thick masses of pegmatite plunge a few degrees east of south and that the mica-rich zones probably follow the same general trend. Nothing was found that showed the depth of which the mica-bearing pegmatite may extend.

Haulage is difficult at present because of the steep slope (about 35 degrees) and a necessary bend in the tracks near the bottom of the incline. The active heading, in the southeast corner, is below track level. Muck must be shoveled up onto a bench, then into a car. The miners are considering the sinking of a shaft to connect with the southeast corner of the incline. A bucket would be allowed to slide down to the heading on the smooth upper surface of the footwall exposed by the mining, and could be placed wherever convenient. The shaft would be approximately 105 feet deep and would all be in hard gneiss. It would be 70 feet south of the west end of the cut at the outer end of the incline. There might be trouble from dump material sliding into the cut.

An alternative procedure, involving less dead work, would be the driving of a haulageway along the eastern edge of the incline, starting south or southeast of the pillar. The wall higher (north) in the incline is gneiss, and the lower (south) wall is in pegmatite. It is likely that the pegmatite pinches out within the next 10 feet east. If the track were laid along the lower (east) edge of the pegmatite, stoping could be done upward and westward. The broken rock would fall to track level, where it could be loaded directly into cars. If care were taken in the mine to remove the mica from the muck, much waste rock could be left underground. The much would be leveled and the track laid on it. If the eastern edge of the pegmatite curves eastward, this plan would not be as convenient as if the trend were nearly straight. The track could be placed on mica-bearing rock and the mica above track level then mined. The rest of the mica could be reached later, by steepening and bending the

track if possible. It would be necessary to drive a haulage-way about 25 feet, at least partially in pegmatite, to reach the heading. Thereafter it could be advanced along with the mining at little or no extra expense.

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LINCOLN ROCK MICA MINE
AVERY COUNTY, NORTH CAROLINA

Supplementary report

James R. Wolfe, Jr.
October 1944

The Lincoln Rock mica mine was revisited by James R. Wolfe, Jr. on September 20, 1944. The recent extensions of the workings were mapped and added to the map as originally completed on July 10, 1944.

Since the original mapping, the lower east wall of the main incline (see underground map) has been mined as much as 12 feet eastward, leaving only the lower pillar to show the former position of the east wall. It is reported that much mica was obtained, but this eastward work was halted when the pegmatite pinched down to 1-2 feet in thickness. Part of the lower south-southeast workings have been graded up with muck and the tracks for haulage have been laid east of the lower pillar, thence curving westward to the row active heading at the south and southwest wall.

The miners report that they have been following three "columns" of mica concentration in about the positions of the three rolls in the country rock shown on the underground plan. Two of these were cut out when the pegmatite pinched down to the east. The third, most westerly column, which is smaller than the others, is now being mined. The part of the pegmatite now exposed is similar in size, shape, and texture to that seen during the previous mapping, except that a steeper dip is indicated at and near the active heading.

About the middle of August 1944, work was started by D. W. and B. E. Burleson and Louis Aldridge in the southwest corner of the middle incline (now called the High Top works). A shallow winze has been sunk in the pegmatite to a depth of fifteen feet below the former muck surface. A fair amount of mica is reported to have been obtained. The pegmatite is 15-20 feet thick and is similar to that previously exposed except that it also has steepened down dip; the hanging wall and footwall are almost vertical in the pit. The mica is similar to that found in the Main Incline and, though distributed throughout the pegmatite to some extent, occurs mainly along the footwall. Mining at the High Top works ceased late in October.

Donely and Louie Aldridge recently started mining in the small cut just east of the High Top works, where the pegmatite is only 2 to 3 feet thick. They had done little work there when the deposit was last visisted, but had obtained some mica.

LINCOLN ROCK MICA MINE
AVERY COUNTY, NORTH CAROLINA

Production

Records of the Colonial Mica Corporation show the following purchases of strategic mica produced from the Lincoln Rock mine during the period June 1943-June 1944:

Month	Pounds Punch	Pounds Sheet	Pounds Total	Value
June, 1943	---	---	596.50	$2,982.50
July	---	---	168.19	840.95
August	---	---	207.56	1,037.80
September	---	---	401.00	2,005.00
October	---	---	493.94	2,469.70
November	---	---	573.25	2,866.25
December	---	---	277.18	1,385.90
January, 1944	117.75	121.69	239.44	1,197.20
February	192.75	129.43	322.18	1,933.08
March	95.81	70.81	166.62	999.72
April	301.43	330.99	632.42	3,794.52
May	639.12	395.11	1,034.23	6,205.38
June	485.81	378.73	864.54	5,187.24
		Total	5,977.05	$32,905.24

Quality of the mica purchased during the period January 1-June 30, 1944, is shown by the following figures:

Month	Punch % No. 1	Punch % No. 2	Punch % No.2 inf.	Sheet % No.1	Sheet % No. 2	Sheet % No.2 Inf.
January, 1944	33	50	17	30	52	18
February	14	72	14	14	52	34
March	26	54	20	20	56	24
April	27	59	14	29	50	21
May	12	54	34	9	42	49
June	15	50	35	7½	42½	50

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LINCOLN ROCK MICA MINE
AVERY COUNTY, NORTH CAROLINA

Production

Mica produced from Lincoln Rock Mine, Avery County, North Carolina, July-November, inclusive, 1944:

Period	Part of mine	Quality (%) No. 1	No. 2	No.2 Inf.	Pounds	Value
1944						
June 25 - July 25	Main incline (#3)	13	37	50	624.99	$3,749.94
July 25 August 25	Main incline (#3)	23	43	34	693.62	4,432.46
August 25- September 25	High Top				45.50	296.50
	Main Incline	13	49	38	341.93	2,195.96
September 25- October 25	High Top	3	38	59	65.06	404.48
	Main Incline	10	45	45	197.75	1,324.50
October 25- November 25	Main Incline	12	34	54	115.25	929.00
TOTALS					2,114.10	$13,332.84

(Data from War Manpower Reports of Colonial Mica Corporation)

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6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1900X

Commodity Mica

Total Amount $16,110

Govt. Participation 90%

1. Name and Address of Applicant Powder Mill Mining Company, c/o Jesse M. Aldridge, Pres., Plumtree, N.C.

2. Location of Property 1½ Miles W. of Sema P.O., Avery Co. N.C.

3. Mineral or metal Mica Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination X

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes, Lessee (question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? Yes

*question numbers are those of MF-103

dated
8/14/56

7. Are subordination agreements necessary? Yes, and furnished

a) MF-201? _____

b) MF-202 ✓

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? Yes

If not, are there sufficient data given so that you can describe the project? Yes - See Ques. 21 If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? Yes - but not good enough for contract attachment

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Appears to be - Field team decide

If not, what part of it is? _____

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? Not with respect to footage

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? NO If so, attach a draft.

e) Are the cost estimates reasonable? Insufficient data

f) Should more information be requested from applicant? By Field Team

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

b) If so, are sufficient data furnished? NO If so, attach a draft.

c) Is a field check needed? Yes - Dimensions & need

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? NO If so, attach a draft.

c) Are rents and charges reasonable? Check Truck & Bulldozer rates

d) Is a field check needed? Yes

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? NO

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? _____

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? All necessary geologic data should be acquired.

What is the quality of the mica? If geology & mica quality favorable reach agreement on program with Applicant and submit all necessary contract data & strata map

J J Norton

Reviewed by: J. J. Norton

J J Norton
8/15

Date August 14, 1951

97692

FILE COPY
SURNAME:

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

August 2, 1951

Powder Mill Mining Company
c/o Lewie M. Aldridge, President
Plumtree, North Carolina

Subject: DMA-1900
Re: Exploration Loan -
Powder Mill Mine

Gentlemen:

Receipt is acknowledged of your application and attachments of July 30, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1900 and referred to Mr. James A. Barr, Chief, Industrial Minerals Branch on August 2, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1900.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Reports & Records Unit

R. E. Adams:jc
cc: Adams
File
Barr
Lyon

DMA-[illegible]
Lic-[illegible]
Map [illegible]
Region [illegible]

✓ [illegible] MILL MINING COMPANY [illegible]
[illegible] Property, Avery County, [illegible]
Lease to the Operator [illegible]
[illegible] Bond as a [illegible]
[illegible] Fee [illegible]

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2-27-53