☑ Audited P.R. 8-25-54 WO ANALYSIS SHEET - DMEA PROJECT ☐ Actual Cost

☐ Certified Analysis as of 12-3-54 Incl. Voucher for ☑ Agreed Unit Costs

Name Carolina Clear Mica Company Docket No. 2794

State N.C. Commodity Mica Idm-E No. 607

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	205 ~~130'~~	$7,175 ~~$4,550.00~~	205	$7175	7175.00
Raising					
Shafts	80'	4,000.00	80	4000	4000.00
Winzes					
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation		400.00		400	400
New Building, Improvements, etc.					
Other (Specify)					
Totals		~~$8,950.00~~ 11,575		$11,575.00	11,575.00

Prepared by L.G.H.

This is 90% + 75%

DMR-274
Mica
Boxes VII

B. G. MICAS AND TARP YOUNG, E.M.M. CAR: INA-CLEAR MICA COMPANY,
SPRUCE PINE, NORTH CAROLINA. Carolina Clear Mica Mine Tenn 271
County, North Carolina. 9/23/53
Letter to the Fish Servicing & Contracts Sheet by Mr.
Also Forwarded to Mr.
Bureau of Mines
Report of Mr.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

B. G. Thomas and Tarp Young
d/b/a Carolina-Clear Mica Company
Spruce Pine, North Carolina

pertaining to Exploration Project Contract No. Idm-E607, Docket No. DMEA-2794, including Amendment Nos. 1 and 2, for the months of October, 1953 to July, 1954, inclusive, covering a project for the exploration of mica on property, known as the Clear Mine, located in Yancey County, North Carolina.

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

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

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

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

Total cost as billed by Contractor		$11,575.00
Exceptions:		
By DMEA Finance Officer	$ - 0 -	
Herewith	- 0 -	-0-
Total Accepted Cost		$11,575.00

The contract calls for a 90 percent participation in the first $8,950.00 and 75 percent in the balance of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Ten thousand twenty-three and 75/100 Dollars

$10,023.75

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

E. D. Talbert

E. D. Talbert, Auditor

August 25, 1954

Division Copy

EXPLORATION PROJECT CONTRACT
CAROLINA-CLEAR MICA COMPANY
DMEA-2794

AMENDMENT NO. 2

It is agreed this 23rd day of July 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and B. G. Thomas and Tarp Young, partners, d/b/a as Carolina-Clear Mica Company, that contract Idm-E 607, Docket No. DMEA-2794, dated September 24th, 1953, as amended be further amended as follows:

Article 3 is amended to read.....;"and shall bring the project to completion within a period of eleven (11) months from date of this contract..." instead of ten (10) months as originally written.

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

CAROLINA-CLEAR MICA COMPANY

By B. G. Thomas

By Tarp Young

THE UNITED STATES OF AMERICA

By Robert A. Lawrence
EXECUTIVE OFFICER
DMEA REGION VII

July 23, 1954.

Division copy

EXPLORATION PROJECT CONTRACT
CAROLINA-CLEAR MICA COMPANY
DOCKET NO. DMEA-2794

AMENDMENT NO. 1

It is agreed this 30th day of April, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and B. G. Thomas and Tarp Young, partners, doing business as Carolina-Clear Mica Company, that Contract Idm-E607 (Docket No. DMEA-2794), dated September 24, 1953, is amended, effective March 12, 1954, as follows:

1. In Exhibit "A":

(a) Under "Description of the Work," delete items 3 and 4, and substitute a new item 3 reading as follows:

"3. Crosscut and/or drift not more than an aggregate of 205 feet."

(b) Under "Agreed Unit Costs":

(1) Delete item 3 and substitute a new item 3 reading as follows:

"3. Crosscut and/or drift 205 feet @ $35.00/ft. $7,175.00"

(2) Delete the last two items "Total Agreed Unit Costs - $8,950.00" and "Government Participation @ 90% - $8,055.00," and substitute the following items:

"Total Agreed Unit Costs		$11,575.00
"Government Participation in Agreed Unit Costs Totaling $8,950.00 @ 90%	$8,055.00	
"Government Participation in Agreed Unit Costs Totaling $2,625.00 @ 75%	1,968.75	
"Total Government Participation		$10,023.75"

2. That part of the second sentence in Article 4 of the contract form which precedes the colon is amended to read as follows:

> "The Government will pay 90 percent of the agreed, estimated costs which first accrue to a total of $8,950 and 75 percent of the agreed, estimated costs which thereafter accrue to a total of $2,625, as they accrue, for units of work actually performed that conform with the description of the specifications for the work set forth in this contract. The agreed, estimated total cost of the project is $11,575.00 and the aggregate total amount which the Government will pay under this contract is $10,023.75."

This amendment shall not be construed to increase the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C F Mittendorf
Administrator, Defense Minerals
Exploration Administration

Arthur Hoffling
Harvey Gallo

CAROLINA-CLEAR MICA COMPANY

By B. G. Thomas (Partner)

By Tarp Young (Partner)

RECEIVED
MAY 11 1954
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2794

COMMODITY Mica

Division Copy

IDM-E 607

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

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 24th day of September, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] B. G. Thomas and Tarp Young, Partners, doing business as Carolina Clear Mica Company, Spruce Pine, North Carolina, hereinafter called the "Operator," as follows: and as set forth in Annexes I and II attached hereto and made a part hereof

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Yancey, described as follows: The mineral rights in act forth in Annex I

the Operator represents and undertakes:[4]

(*a*) That the Operator is the owner, in possession and entitled to possession, and that the property is free from the following claims, liens, or encumbrances as to each of which the subordination agreement [illegible]

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

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

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

in or upon the described land; and shall bring the project to completion within a period of ten (10) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 50 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $2,000.00, which is 50 percent of $2,000.00 the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

CAROLINA GIRL MICA COMPANY
(Operator)

By B. G. Thomas
B. G. Thomas - Partner

By Tarp Young
Tarp Young - Partner

By Frank E. Johnson
ACTING Administrator Defense Minerals Exploration Administration

Pl Kent
Boston
High Chamber

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

_____ [CORPORATE SEAL]

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

EXPLORATION PROJECT CONTRACT
CAROLINA-CLEAR MICA COMPANY
DOCKET NO. DMEA-2794

ANNEX I

The property referred to in Article 2 of the contract form is known as the Carolina Clear Mica Mine and was leased to B. G. Thomas by International Minerals and Chemical Corporation, in an instrument dated August 24, 1953.

The property is specifically described in the aforesaid lease as follows:

> BEGINNING at a stake in the center of the shaft at "Carolina Clear Mica Mine", and running south 45 east 100 feet to a stake; thence running south 45 west 400 feet to a stake; thence running north 45 west 200 feet to a stake; thence running north 45 east 800 feet to a stake; thence running south 45 east 200 feet to a stake; thence running south 45 west 400 feet to a stake, the end of the first call herein; thence running north 45 west back with the first line 100 feet to the beginning, containing approximately four acres, (4), more or less.

ANNEX 32

The following provisions are in lieu of all of paragraph (a) of Article 4 which precedes the colon:

If the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after a sufficient, complete, final report and final account referred to in the contract has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development. The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2, as follows: (1) Regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

EXPLORATION PROJECT CONTRACT
CAROLINA-CLEAR MICA COMPANY
DOCKET NO. DMEA-2794

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished approximately as shown on the attached map entitled "Sketch of Clear Mine, Yancey Co., N. C. - DMEA-2794 (Mica)" and as described below:

1. Enlarge and timber the existing 20 feet deep shaft from 4 feet by 4 feet to 5 feet by 7 feet.

2. Sink and timber this shaft 5 feet by 7 feet in cross section from a depth of 20 feet to a depth of 100 feet.

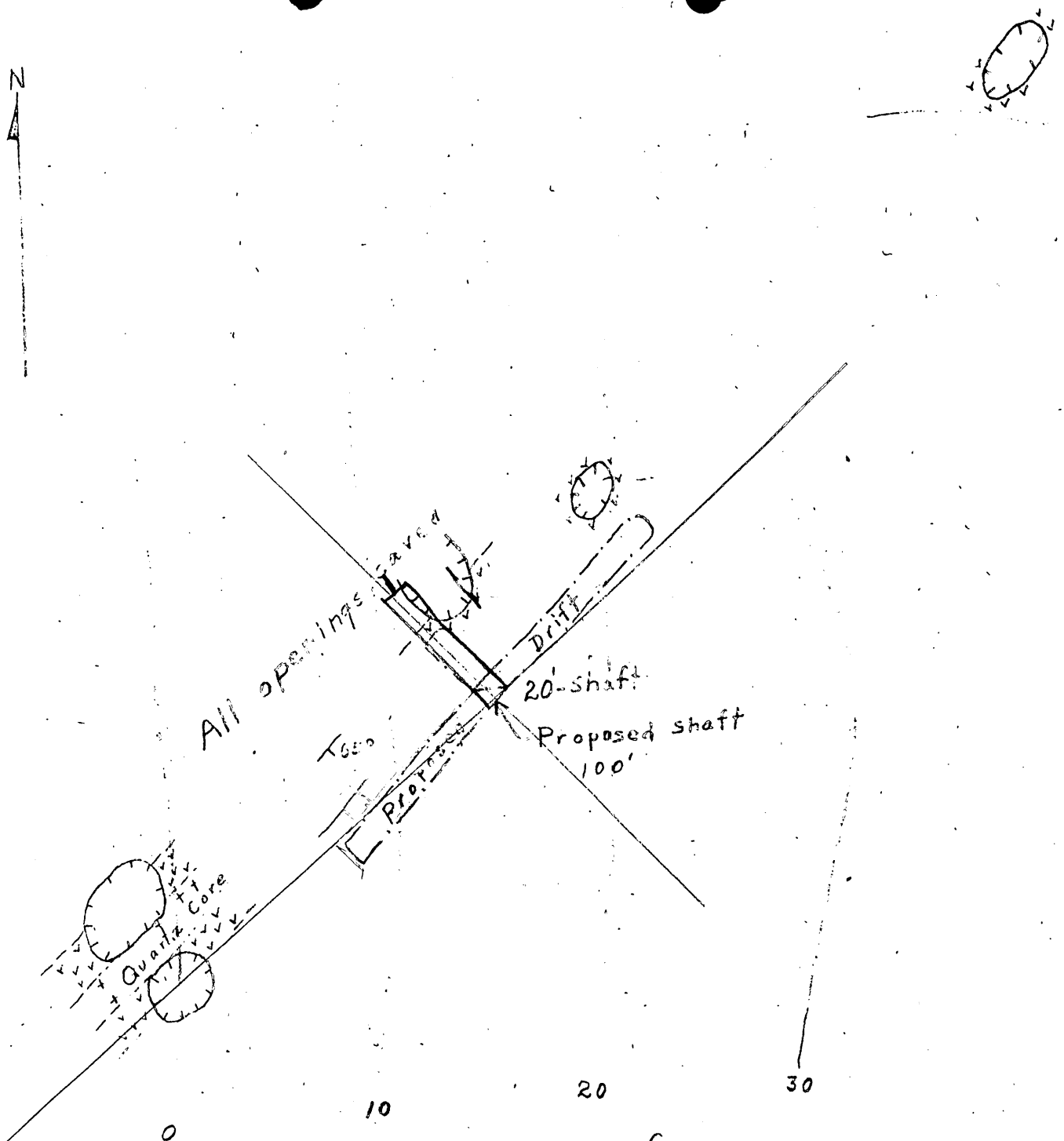
3. Crosscut 30 feet in a northwesterly direction from bottom of shaft.

4. Drift approximately 50 feet in a northeasterly direction and approximately 50 feet in a southwesterly direction from the bottom of the shaft.

The location and direction of all work shall be subject to approval of the Government Engineers.

Agreed Unit Costs

1. Enlarge and timber shaft 20 feet @ $20.00/ft.	$ 400.00	
2. Sink shaft 80 feet @ $50.00/ft.	4,000.00	
3. Crosscut and drift 130 feet @ $35.00/ft.	4,550.00	
Total Agreed Unit Costs		$8,950.00
Government Participation @ 90%		$8,055.00



Sketch of
CLEAR MINE
Yancey Co., N.C.

0 40' 80'
Scale

DMEA-2794 (Mica)

Defense Minerals Administration
RECEIVED
AUG 31 1953

2794

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of North Carolina, County of Yancey, described as follows: 1/ Beginning at a stake in the center of the shaft of the Carolina Clear Mica Mine on the former Amos Presnell land, and running south 45 west 400 feet to a stake; thence running north 45 west 200 feet to a stake; thence running north 45 east 800 feet to a stake; thence running south 45 east 200 feet to a stake; thence running south 45 west 400 feet to a stake, the end of the first call herein; thence running north 45 west back with the first line 100 feet to the beginning, containing approximately four acres, (4), more or less.

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

2/ B. G. THOMAS

hereinafter called the "Operator"; and

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

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

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

2. To secure the payment to the Government of the percentage royalty on production 3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, or ten years have elapsed from the date of the contract.

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

Dated this 24 day of August, 1953.

INTERNATIONAL MINERALS & CHEMICAL CORPORATION [Seal]

Norman Dunlap [Seal]
Vice President

C. M. Edwards [Seal]
Secretary

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

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

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

4/ Insert the maximum amount of the Government's contribution.

600

SEP 29 1954

Mr. R. G. Thomas
Carolina-Clear Mica Company
Spruce Pine, North Carolina

Re: Docket No. DMA-2794 - Mica
Clear Mine
Yancey County, North Carolina
Contract No. Idm-8607

Dear Mr. Thomas:

We are pleased to advise you that your performance of exploration work under the subject contract has been acceptable to the Government, and the account relating thereto has been closed. The final audit of the Contract Administration and Audit Division shows:

Total claimed for units of work performed	$11,575.00
Total Government contribution at 90 percent	$10,023.75

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

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

The Government thanks you for your interest and participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Copy to: International Minerals & Chemical Corporation

(Attached to Field Team's copy for forwarding.)

Hopkins:gad 9/23/54

Copy to: Admr. R. File
Docket
Mr. Chambers
Field Team, Region VII
Mr. Howk
Mr. Dietrich, 3061
Mr. Hillegaard, 5227

Project Summary Report

By: James Hopkins September 23, 1954

1. Docket No. DMEA-2794 - Mica
Contract No. Idm-E607
Clear Mine
Yancey County, North Carolina

Operator: Carolina-Clear Mica Company
Spruce Pine, North Carolina

Operator's property rights: Lessee. Lease to B. G. Thomas (partner) from International Minerals & Chemical Corporation, dated August 17, 1953, for period of ten years.

2. Contract dated September 24, 1953.

Work authorized: (To be completed within ten months.)

1. Enlarge and timber shaft 20 ft. @ $20.00/ft.	$400.00
2. Sink shaft 80 ft. @ $50.00/ft.	4,000.00
3. Crosscut and drift 130 ft. @ $35.00/ft.	4,550.00
Total cost of project	$8,950.00
Government participation @ 90%	$8,055.00

Amendments:

No. 1, dated April 30, 1954, authorizes item 3 increased to 205 feet of crosscuts and drifts @ $35.00/ft. Total cost of project increased to $11,575.00, and Government participation to $10,023.75.

No. 2, dated July 23, 1954, extends completion period from ten to eleven months from date of contract.

Work completed: As authorized by contract and by Amendment No. 1.

Work began October 15, 1953, and completed July 29, 1954.
Field Team Final Report dated August 17, 1954
Operator's Final Report received August 17, 1954.

3. Audit: Report of Review dated August 25, 1954. (No exceptions).

Accepted cost	$11,575.00
Government participation	$10,023.75

4. Certification of discovery: None issued.

Field Team recommended that no certification be issued. Commodity Divisions of Geological Survey and Bureau of Mines concurred in the recommendation. No strategic mica was found.

5. Comments: The work done under the contract was conducted in an efficient and satisfactory manner. The narrative portion of Operator's reports were adequate.

Geological premise: The premise that a pegmatite exposed on the surface would yield strategic mica in depth was not substantiated by the exploration work. At the surface the pegmatite contained a quartz core but at depth none is present. A limited amount of mica was found, most of which was of non-strategic quality.

Geological criteria upon which work was based:

1. Nearly vertical conformable pegmatite 15 feet thick and 15 feet long enclosed by hornblende gneiss.
2. Mica found on dumps of old workings was classified as suitable for stockpiling by the Spruce Pine Depot.
3. Apparently, from reports, some large size blocks were obtained when mine was operated.

Criteria developed during project:

1. At surface the pegmatite consists of perthite, quartz, plagioclase, muscovite, garnet and sulphides in order of abundance.
2. At the 62 foot level the pegmatite-country rock contract is irregular and gradational and numerous inclusions of country rock are present in the pegmatite.
3. About 1,000 pounds of "mine-run" mica were recovered during the project, all of which was of poor quality. Reserves are negligible.

Future possibilities: Remote for occurrence of strategic mica.

Recommendations: The Nonmetallic Minerals Division concurs with the Field Team that a certification of discovery should not be issued nor is additional exploration work warranted. The Geological Survey and the Bureau of Mines are in agreement.

JHopkins:gad 9/23/54
Copy to: Admr. R. File
Mr. Houk

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

September 7, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting for Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA 2794 (mica)

Applicant: Carolina Clear Mica Company

Name and Location of Property: Clear Mine
Yancey County, North Carolina

Contract Number: Idm-E607

Date of Field Team Report: August 17, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: August 23, 1954

Field Team Recommendation:

1. No certification of discovery or development.

Comments:

1. Work which began on October 15, 1953 and ended July 29, 1954 consisted of deepening existing shaft 80 feet and drifting 90 feet.

2. Expenditures -

Total approved	$11,575.00
Total cost	11,575.00
Gov't. share	10,023.75
Value	None

3. No strategic mica was encountered.

205

Recommendation:

I concur in the field team's recommendation to deny certification.

Signed

Donald R. Irving

August 27, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 2 - Docket No. DMEA-2794 - Mica
Carolina Clear Mica Company
Clear Mine
Yancey County, North Carolina
Contract No. Idm-E607

The Nonmetallic Minerals Division concurs in Amendment No. 2 to subject contract as written and executed in the field. The date for completion of the contract has been extended from July 24, 1954, to August 24, 1954.

This was necessary because more time was needed to complete the contract, since by Amendment No. 1 the amount of drifting was increased from 130 feet to 205 feet.

/s/

W. C. Anderson
Nonmetallic Minerals Division

WCAnderson:gad 8/27/54
Copy to: Admr. R. File
Division File

August 24, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Justification of Amendment No. 2, DMEA-2794, Idm-E607 (mica)
Carolina-Clear Mica Co. Spruce Pine, N. C.

Amendment No. 2 was prepared because the Operator lacked only a few feet of completion on the stated expiration date, and actually completed five days later. It was in the Government's interest to provide the small extra time needed to complete the approved work. See field team final report.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/zm
cc
Beck
Lynch
Files

IN REPLY REFER TO:

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

August 23, 1954

Memorandum

REVIEW OF FINAL FIELD TEAM REPORT ON APPLICATION DMEA-2794 (mica)

To: L. G. Monk, Defense Minerals Exploration Administration
From: E. L. Newcomb, U. S. Geological Survey
Applicant: Carolina Clear Mica Company
Name of property: Clear Mine
Location of property: 1.3 mi. NW of Boonford, Yancey Co., N. C.
Date of Field Team Report: August 17, 1954
Authorship of Field Team Report: K. H. Teague, D. H. Amos, and L. M. Shirley.
Field Team's recommendation: No certification of discovery.
Comments: I concur with Field Team recommendation against certification.

E. L. Newcomb

ELNewcomb:hlm
G-8/23/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

COPY

~~WASHINGTON 25, D. C.~~

ROOM 13, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

August 17, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Final Reports on DMEA-2794, Idm-E 607. (mica) Carolina Clear Mica Company, Spruce Pine, N. C. Clear Mine, Yancey Co., N.C.

Enclosed are four copies each of the Operator's and Field Team's final report on the subject exploration contract.

An amendment, extending the time for completion will be forwarded to Washington as soon as it is received with the Operator's signature.

We recommend that no certification of discovery be issued.

R. A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

Reviewed by
DMEA OPERATING COMMITTEE
8-23-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

By

Field Team, DMEA - Region VII

on

DMEA-2794, CLEAR MINE (mica)

Yancey County, N. C.

By

K. H. Teague and D. H. Ames, Geologists
U. S. Geological Survey
and
L. E. Shirley, Mining Engineer
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
8-23-54
(date)

August, 18, 1954

DMEA-2794, CLEAR MINE (mica)
Contract Idm-E 607

Operator: Carolina-Clear MicaCompany, c/o B. G. Thomas, Spruce Pine, N. C.

The Clear (Amos Presnell) Mine is on a ridge south of the South Toe River and 1.3 miles N. 37° W. of Bonnford, Yancey County, North Carolina.

Work completed under the contract consisted of enlarging the cross-section of an existing 20-foot shaft, deepending this shaft an additional 80 feet and driving of 205 feet of laterals from the shaft. As only a limited amount of mica, most of which was of non-strategic quality, was discovered; a certification of discovery should not be issued. Additional exploratory work is not warranted.

Work began October 15, 1953 and was completed on July 29, 1954. An existing 4' x 4' vertical shaft was enlarged to 5' x 7' and timbered. This shaft was deepened an additional 80 feet and was timbered. From the 96-foot level of this shaft a total of 184-feet of laterals were driven, as follows:

(1) a 28-foot crosscut driven in a N. 5° E. direction from the shaft,

(2) a 34-foot crosscut driven in a N. 55° W. direction from the shaft,

(3) an 112-foot drift driven in a southwest direction from the shaft, and

(4) a 10-foot crosscut driven in a N. 45° W. direction from a point in the above drift (3) 42 feet from the shaft.

A 21-foot drift was driven from the 62-foot level in a S. 70° W. direction.

A conformable pegmatite with a maximum thickness of about 15 feet is exposed in the shaft and laterals. It strikes N. 10-45° E. and dips from 75° SE to vertical. The body where explored is thickest about 30-50 feet southwest of the shaft. At and near the head of the southwest drift it is about 5 feet thick. Numerous pegmatitic pods and lenses are present in the north and northwest crosscuts. The pegmatite, where exposed on the surface, contains a quartz core but at depth none is present. Here the body consists of perthite, quartz, plagioclase, muscovite, garnet and sulphides, in order of abundance. At the 62-foot level the pegmatite-country rock contact is irregular and gradational and numerous inclusions of country rock are present in the pegmatite. The enclosing wall rock is hornblende gneiss and biotite schist and gneiss.

About 1000 pounds of "mine-run" mica were recovered during the project, all of which was of poor quality. The chief defects are mineral-stain, "A"-structure, and curved character. Most of the mica in the pegmatite was only of scrap size.

Reserves revealed by work done under the contract are negligible.

Expenditures:

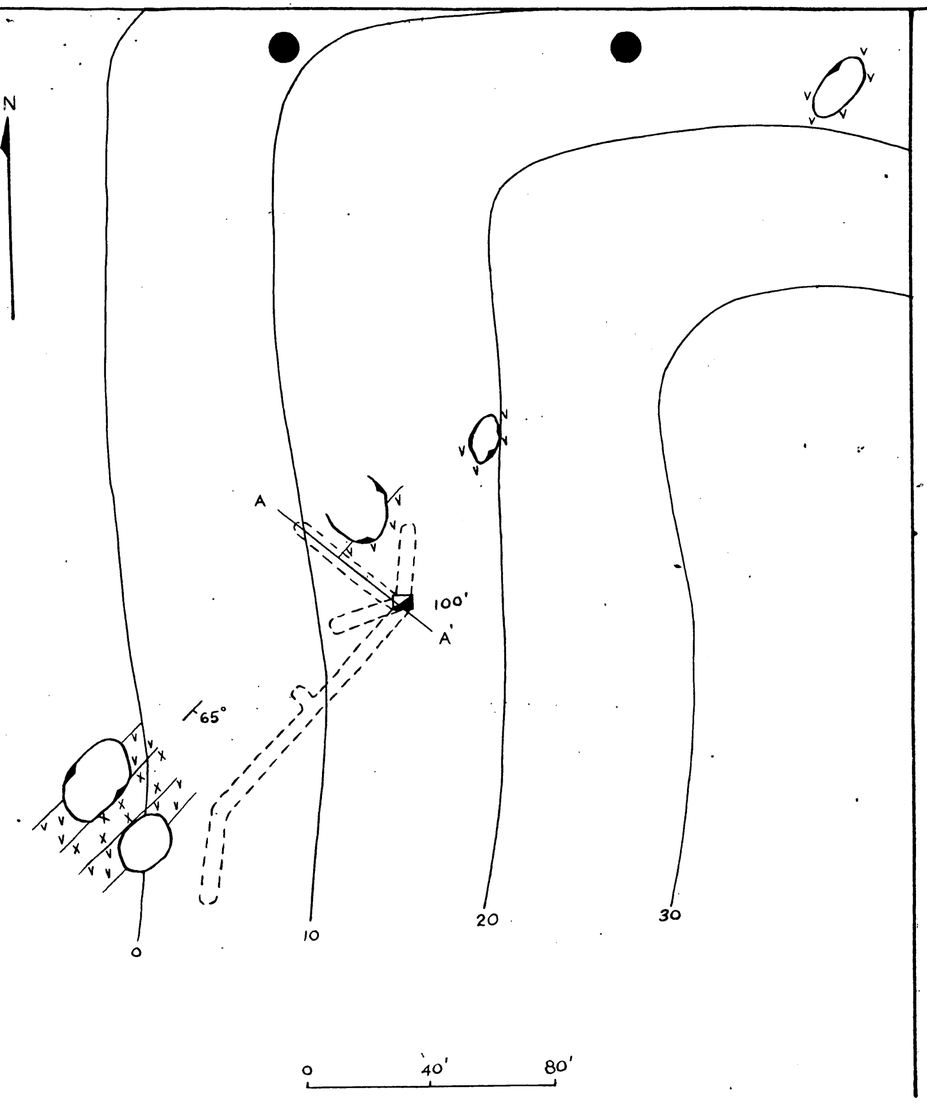
(a)	Total approved	$11,575.00
(b)	Total Cost of Project	11,575.00
(c)	Government's share of cost	10,023.75
(d)	Government's share unexpended	none
(e)	Value of production during oper.	none

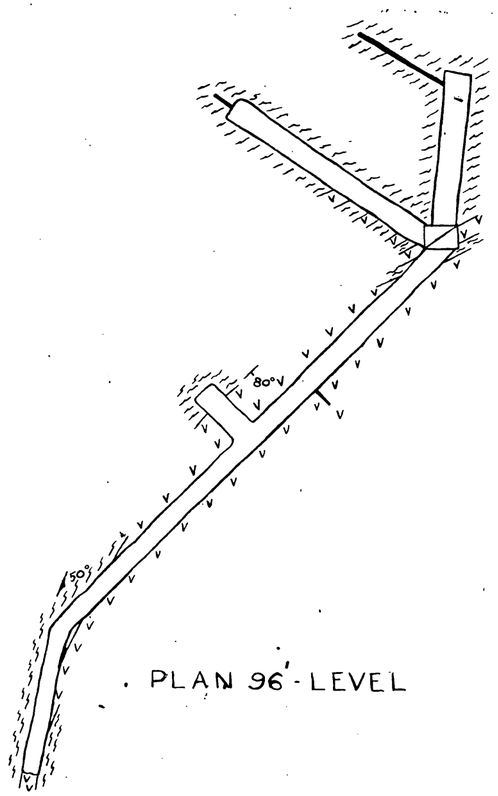
The work done under the contract was conducted in an efficient and satisfactory manner. No equipment was purchased under the contract.

August 17, 1954

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

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

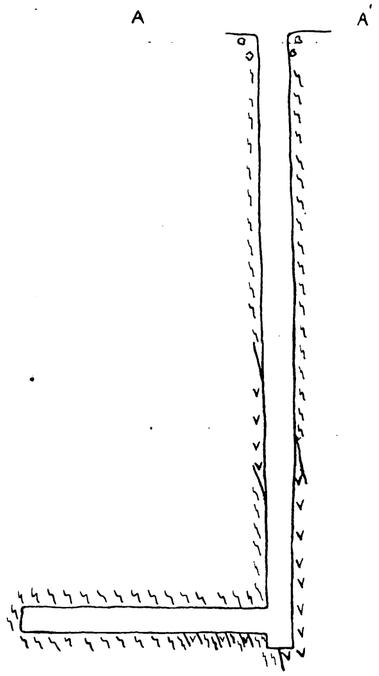




PLAN 96'-LEVEL

PLAN 62'-LEVEL

0 20' 40'



SECTION A-A'

SKETCH OF
CLEAR MINE
YANCEY CO., N.C.

DMEA - 2794 (mica)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 1015 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

August 17, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Final Reports on DMEA-279h, Idm-E 607. (mica) Carolina Clear Mica Company, Spruce Pine, N. C. Clear Mine, Yancey Co,. N.C.

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

An amendment, extending the time for completion will be forwarded to Washington as soon as it is received with the Operator's signature.

We recommend that no certification of discovery be issued.

R. A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

Spruce Pine, N. C.
August 2, 1954

Mr. Robert A. La rence, Executive Officer
DMEA, Region VII
Room 13, Post Office Building
Knoxville, Tennessee

Re: DMEA-2794, Idm-E-607
Final Engineering Report

Dear Mr. Laurence:

Work was commenced on this project about October 15, 1953 and the work consisted of sinking a shaft 100 feet deep, and drifting a total of 175 feet. At the 61 foot depth, pegmatite was contacted. The pegmatite was made up of quartz, feldspar, and a very poor grade of Wedge A mica.

From the bottom of the shaft, we drifted 28 feet to the North, and found no pegmatite whatever. We then drifted West 34 ft. and again contacted no pegmatite. We drifted Southwest 82 feet and we shot in vein material most of the 82 feet, but it was a non-mica bearing pegmatite. No mica was encountered.

At the 42 ft. point in the 82 ft. drift, we drifted 10 feet West and again contacted no pegmatite. With the approval of the DMEA Field Team, we drove a drift 21 feet to the Southwest from the 60 ft. level in the shaft. This drift was in pegmatite most of the way, but it proved also to be non-mica bearing. No mica was recovered during the shafting and drifting in this operation.

At various points in the drifts extension steel was used to explore the surrounding area for possible mica-bearing veins. No mica was encountered.

We wish to express our sincere thanks to the field team for their cooperation in this project. If you need further information, please contact us.

Very truly yours,

B. G. Thomas

B. G. Thomas

P/b

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

31

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June and July, 1954 Docket No. DMEA 2794 Contract No. Idm-E607
Operator's Name B. G. Thomas & Tarp Young Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $ 11,575.00 Government Participation: 75% Amount, $ 10,023.75

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting		1050.00	1050.00			
21' Drifting @ 35.00	735.00	5390.00	6125.00			
Shafting		4000.00	4000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		400.00	400.00			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	735.00	10,840.00	11,575.00	735.00	10,840.00	11,575.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-7

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 8-2-54 *Payee B. G. Thomas & Tarp Young
Per B G Thomas Title Partner

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

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

(Instructions on reverse)

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

$ 551.25

Signature Cora A. Pipes
(Authorized Certifying Officer)

Date AUG 12 1954 Vou. No. 31
(See other side)

847 @ 7/29 183.75

(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. Ida E 607 in accordance with the terms of the contract.

Signature W. T. Beck Title Supervising Mining Engr. USBM Date AUG 9 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE ACTING EXECUTIVE OFFICER

Signature W. T. Beck Title DMEA REGION VII Date AUG 9 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

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 & July 1954 Docket No. DMEA 2794 Contract No. Idm-E607
Operator's Name B. G. Thomas and Tarp Young Minerals Mica
Address Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
21 Drifting @ 35.00	Ft.	735.00	21	6125.00	175	35.00	175	35.00
Crosscutting	Ft.			1050.00	30	35.00	30	35.00
Raising								
Shafts	Ft.			4000.00	80	50.00	80	50.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	Ft.			400.00	20	20.00	20	20.00
TOTAL DISTRIBUTED COSTS		735.00	21	11,575.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		735.00		11,575.00				

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

Date 8-2-54 Operator B. G. Thomas & Tarp Young

Per B G Thomas Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATOR'S
MONTHLY REPORT OF PROGRESS

for the months of June & July, 1954

DMEA- 2794

Work Accomplished:

We drove a drift 21 feet, upon the approval of the DMEA field team, from the 60 foot level of the shaft. We were in pegmatite most of the way, but found no mica. No particular difficulty was encountered. We have now dompleted operations on this project, with no mica recovered.

Daily Notes:

June - 28 to 30 - Drilled, blasted and mucked. Advanced five feet. In vein material.

July - 19 to 24 - Drilled, mucked. Continued with drift 10' in vein material, encountering no mica.

July - 26 to 29 - Drilled, blasted. Mucked, and continued with drift to a total of 21 feet. No mica in the vein material.

Discontinued work on this project.

INTERIM REPORT
On

DMEA-279h, Idea-E 607 (mica) CLEAR MINE

Operator: Carolina-Clear Mica Co., c/o B. G. Thomas, Spruce Pine, N.C.

Location: On a ridge south of the South Toe River and 1.3 miles N. 73° W. of Boonford, Yancey County, N. C.

Work under the contract has been completed at this mine. The last 21 feet of lateral work consisted of a drift which was driven in a S. 70° W. direction from the 62-foot level of the shaft.

The pegmatite in this drift averages about 4 feet thick, strikes S. 70° W., and is vertical. Wall rock, biotite gneiss, is present on the southeast wall of the lateral. No mica of strategic quality was recovered from the work done at this higher level.

Date of exam: July 29, 1954

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

August 3, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Completion of Mica Projects.

The following projects, due for completion in July and August, have been completed:

✓DMEA-2794, Idm-E 607 (Carolina-Clear Mica Co.)

DMEA-2870, Idm-E 542 (Blue Ridge Mica Co.)

DMEA-2871, Idm-E 602 (Joe A. Beasley)

Actual dates of completion of DMEA-2794 and DMEA-2870 are not known; if the July vouchers show that work was done after the 24 and 28th respectively, we will prepare amendments to authorize the few extra days' work.

These contracts, due for completion in August, will not be completed and we will prepare amendments to extend both:

DMEA-2579, Idm-E 459 (Mica Industries, Inc.)

DMEA-3188, Idm-E 647 (Charles Hensley)

We have received a final voucher, but no final report on DMEA-3132 (Dixie Mines, Inc.). This project was completed in June.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/sm

Operating Com.

JUL 8 - 1954

Mr. Robert A. Laurence
Executive Officer, DMRA
Field Team, Region VII
13 Page Office Building
Knoxville 2, Tennessee

Re: Docket No. DMRA-274 - Nice
Carolina-Clear Mica Company
Clear Mica
Yancey County, North Carolina
Contract No. Ida-2607

Dear Mr. Laurence:

Reference is made to your memorandum of June 28, 1954, concerning the remaining 21 feet of drifting under subject contract.

As originally written, the contract required that drifting and crosscutting be performed from the 100-foot level. However, Amendment No. 1 deleted the reference to the 100-foot level and authorized, effective March 18, 1954, an aggregate of 305 feet of drifting and crosscutting at locations and in directions approved by the Government. Therefore, your conclusion that the remaining 21 feet of work under the contract may be performed from the 80-foot level is correct.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Philip W. Guild

Member, Geological Survey

WCAnderson:ECRubin:km 7-2-54

Copies to: Docket
Adm. Reading file
Operating committee
Mr. McKinnon
Chron.
W.F. Dietrich B/M Rm 3061
D.M. Larrabee USGS Rm 6-23088A
Mr. Kozk (2)
Mr. Rubin
Reading

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

Re: Docket No. DMRA-2794 - Mica Carolina-Clear Mica Company
Clear Mine
Yancey County, North Carolina
Contract No. Idm-2607

Dear Mr. Laurence:

Reference is made to your memorandum of June 22, 1954, concerning the remaining 21 feet of drifting under subject contract.

As originally written, the contract required that drifting and crosscutting be performed from the 100-foot level. However, Amendment No. 1 deleted the reference to the 100-foot level and authorized, effective March 12, 1954, an aggregate of 205 feet of drifting and crosscutting at locations and in directions approved by the Government. Therefore, your conclusion that the remaining 21 feet of work under the contract may be performed from the 80-foot level is correct.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

Philip W. Guild

Member, Geological Survey

WCAnderson:HCRubin:lm 7-8-54

Copies to: Docket
Adm.Reading file
Operating committee
Mr. Hoffland
Chron.
W.F. Dietrich B/M Rm 3061
D.M.Larrabee USGS Rm 8-[illegible]
Mr. Houk (2)
Mr. Rubin
Pending

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

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

Subject: Docket No. DMEA-2794 - Mica
Carolina-Clear Mica Company
Clear Mine
Yancey County, North Carolina
Contract No. Idm-E607

Dear Mr. Laurence:

Reference is made to your memorandum of June 22, 1954, concerning the remaining 21 feet of drifting under subject contract.

~~The Legal Division advises you are correct in your interpretation that no amendment is needed to do the remaining 21 feet of drifting from the 80-foot level.~~

As originally written, the contract required that drifting and crosscutting be performed from the 100 foot level. However, Amendment No. 1 deleted the reference to the 100 foot level and authorized effective March 12, 1954, an aggregate of 205 feet of drifting and crosscutting at locations and in directions approved by the Bureau. Therefore, your conclusion that the remaining 21 feet of work under the contract may be performed from the 80 foot level is correct.

C.O.C.

~~Sincerely yours,~~

~~Chairman~~, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

MF-50

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 6·24

REFERRED TO:

1. 600
2.
3.
4.

FOR:

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

REMARKS:

Check (X) before the items needing attention.

ROBERT E. ADAMS

Initials of sender.

GPO 16—63815-1

June 22, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA- Region VII

Subject: DMEA-279h, Idm-E 607 (mica) Carolina-Clear Mica Co.
Spruce Pine, N. C.

Enclosed are 4 copies of the latest interim report on the Clear Mine.

We agree with the examiners' request to do the remaining 21 feet of drifting from the 80-foot level. It is our opinion that no amendment is needed, as Amendment No. 1 and the sixth sentence of Exhibit "A" appear to provide for this. If we are incorrect in this interpretation, please advise.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/mm
cc:
Beck
Lynch
Files

INTERIM REPORT

DMEA-2794 Idm-E607 (mica) CLEAR MINE

OPERATOR: Carolina-Clear Mica Company, c/o B. G. Thomas, Spruce Pine, North Carolina.

LOCATION: On a ridge south of the South Toe River and 1.3 miles N 73° W of Boonford, Yancey County, N. C.

Drifting continues on this contract and now totals 184 feet. All drift work has been continued to the southwest and no discovery of strategic mica has been found to date. Most of the work has been confined to pegmatite.

The operator desires to conduct the remaining 21 feet of drift under contract from the 60 ft. shaft level, where pegmatite was cut. The Field Examiners would like to see the remaining work accomplished at this level and request permission to do this.

Progress on this contract has been satisfactory.

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

E. H. Teague & D. H. Amos, Geologists
U. S. Geological Survey

June 3, 1954

IN REPLY REFER TO:

G-MD-CHM

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

June 28, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2794 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Carolina-Clear Mica Co., Spruce Pine, N. C.
Name of property: Clear Mine.
Location of property: Yancey County, N. C.
Date of Field Team Report: June 3, 1954.
Authorship of Field Team Report: L. N. Shirley, K. H. Teague and D. M. Amos.
Field Team's recommendation: Operator has permitted to conduct remaining 21 feet of drift from the 80 ft. level.
Comments: None.
ACTION RECOMMENDED: Follow Field Team's recommendation.

D. M. Larrabee

Larrabee:jeh
G-6/25/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee 5218 Interior

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

Defense Minerals Administration
RECEIVED
JUN 1 2 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April & May, 1954 Docket No. DMEA 2794 Contract No. Ian-E 607
Operator's Name B. G. Thomas & Tarp Young Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $ 11,575.00 Government Participation 90-75% Amount, $ 10,023.75

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting		1050.00	1050.00			
54' Drifting @ 35.00	1890.00	3500.00	5390.00			
		4000.00	4000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		400.00	400.00			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1890.00	3950.00	10,840.00	1890.00	8,950.00	10,840.00

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-72

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 7, 1954 *Payee B. G. Thomas & Tarp Young
Per B. G. Thomas Title Partner

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 1,417.50
Signature Cora A. Pipes
(Authorized Certifying Officer)
Date JUN 15 1954 Vou. No. 312
(See other side)

472.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Dm-E607 in accordance with the terms of the contract.

Signature Lawrence E. Shurley Title Mining Engr. U.S.B.M. Date June 9, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date JUN 11 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April & May 1954 Docket No. DMEA 2794 Contract No. Idm-E607
Operator's Name B. G. Thomas and Tarp Young Minerals Mica
Address Spruce Pine, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
54' Drifting @ 35.00	Ft.	1890.00	54	5390.00	154	35.00	175	35.00
Crosscutting	Ft.			1050.00	30	35.00	30	35.00
Raising								
Shafts	Ft.			4000.00	80	50.00	80	50.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	Ft.			400.00	20	20.00	20	20.00
Total Distributed Costs		1890.00		10,840.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1890.00		10,840.00				

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

Date June 7, 1954 Operator B.G. Thomas & Tarp Young

Per B. G. Thomas Title Partner

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

OPERATORS
MONTHLY PROGRESS REPORT

for the months of April & May, 1954

DMEA-2794

Work Accomplished:

We have continued our drift a total of 54 feet, in slate about half the way, and in pegmatite containing feldspar, quartz and fine particles of mica the rest of the way. No particular difficulty has been encountered, and there are no outstanding details to report.

Daily Notes:

April 1 - 9 Drilled, mucked.

April 12 - 16 Did some shooting, hitting slate only. Drilled and mucked.

April 19 - 23 Continued drilling in slate material and some vein material showing small amounts of quartz and feldspar.

April 26 - 30 Mucked, drilled in same type material.

May 3 - 7 Continued with the drift in the same general direction, shooting and drilling.

May 10 - 14 Mucked and drilled. Mostly slate is showing, still no mica encountered.

May 17 - 21 Did some shooting. Now coming into vein material of less slate and more feldspar.

May 24 - 31 Little change in vein material. Mucked and continued to drill.

COPY

Defense Em...

MAY 13 195...

May 10, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region VII

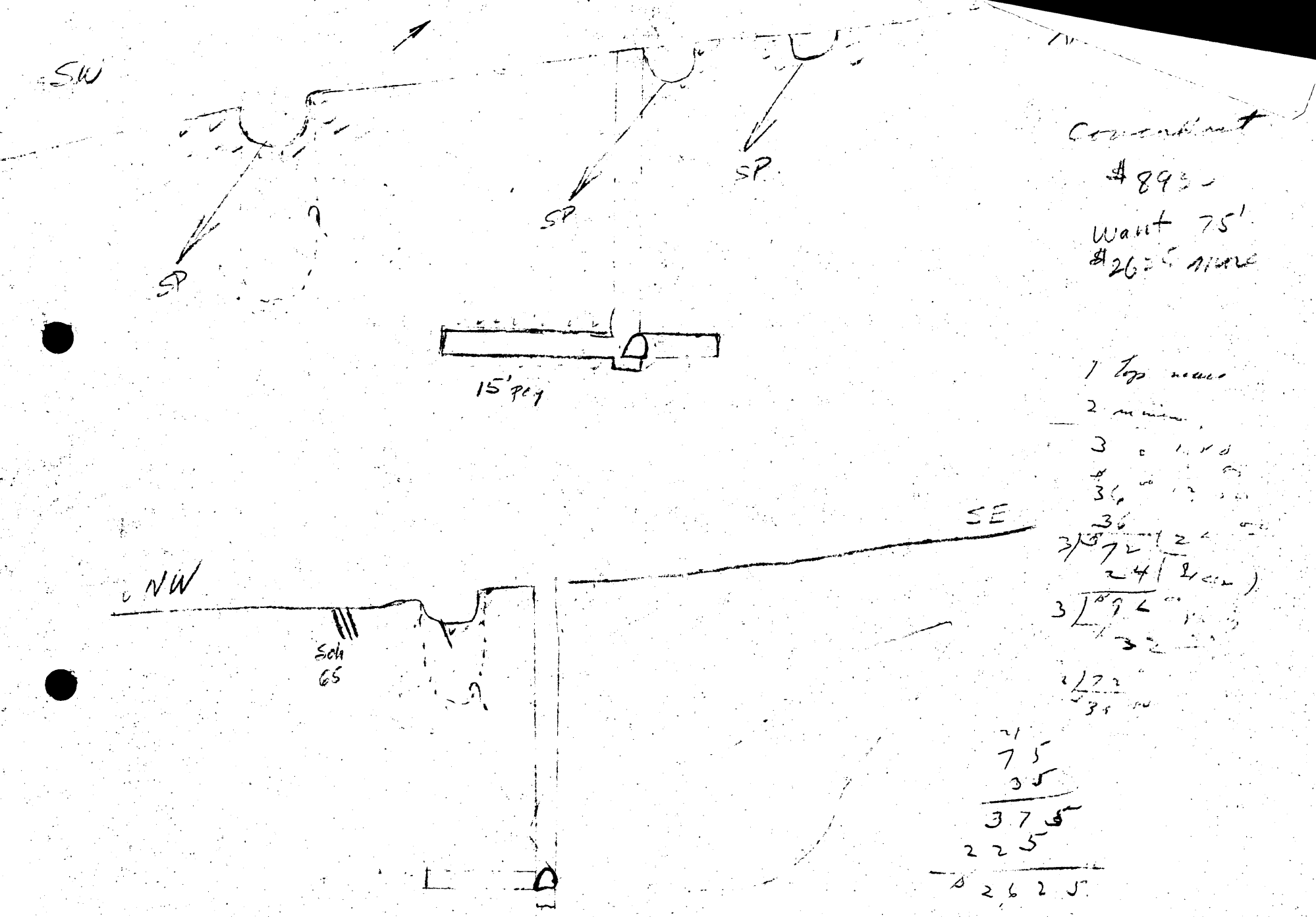
Subject: Amendment No. 1, DMEA-279ag Iem-2 601. Carolina-Clear Rice Co.

Transmitted herewith are three signed copies of the subject amendment. The usual distribution of the other copies has been made.

Wm. A. Beck

WAB.

cc:
Beck
Spunk
Lawrence
Finance Office
Mkt. File



Contract

#89[illegible]

Want 75'

#26[illegible] more

1 top more

2 more

3 [illegible]

[illegible]

36

36

3 | 72

24 (8 each)

3 | 72

3

2 | 72

36

75

35

375

225

2625

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

A

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

255

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENT K- 59

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1954 Docket No. DMEA 2794 Contract No. Idm- E 607
Operator's Name B. G. Thomas and Tarp Young Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $8,950.00 Government Participation: 90 % Amount, $8,055.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting		1050.00	1050.00			
Drifting (36½ ft.)	1277.50	2222.50	3500.00			
Shafting		4000.00	4000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		400.00	400.00			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1277.50	$7672.50	$8950.00	1,277.50	7,672.50	8,950.00

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

Date 4-1-54 *Payee B. G. Thomas & Tarp Young

Per B. G. Thomas Title Partner

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

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

(Instructions on reverse)

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

$ 1,149.75

Signature Cora A. Piper
(Authorized Certifying Officer)

Date APR 6 1954 Vou. No. 255

(See other side)

6

127.75

(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-E607 in accordance with the terms of the contract.

Signature Lawrence E. Shurley Title Mining Engr. U.S.B.M. Date April 2, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Beck ACTING Title EXECUTIVE OFFICER DMEA REGION VII Date APR 5 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1954 Docket No. DMEA 2794 Contract No. Idm- E 607
Operator's Name B. G. Thomas and Tarp Young Minerals Mica
Address Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	1277.50	36½	3500.00	100	35.00	100	35.00
Crosscutting	Ft.			1050.00	30	35.00	30	35.00
Raising								
Shafts	Ft.			4000.00	80	50.00	80	50.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	Ft.			400.00	20	20.00	20	20.00
TOTAL DISTRIBUTED COSTS		1277.50		8950.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1277.50		$8950.00				

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

Date 4-1-54 Operator B. G. Thomas & Tarp Young

Per B G Thomas Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA No. 2764

OPERATOR
MONTHLY PROGRESS REPORT
for the
Month of March, 1954

COPY

Work Accomplished

We have advanced 36½ feet of drifting this month.

Daily Notes

March	1 - 5	Mucked, drilled and did some shooting.
March	8 - 12	Mucked, drilled and did more shooting.
March	15 - 19	Mucked and drilled.
March	22 - 26	Mucked, drilled and did more shooting.
March	29 - 31	Mucked and drilled.

MAY 3 - 1954

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

Subject: Docket No. DMEA-2794 - Mica
Carolina-Clear Mica Company
Clear Mine
Yancey County, North Carolina
Contract No. Idm-2507

Dear Mr. Lawrence:

We are enclosing the original and five copies of Amendment No. 1 to the above referenced contract which have been signed by the Administrator for the Government.

If the terms and conditions of this amendment are satisfactory to you and the Operator all six copies should be signed and the usual distribution made.

If any part of this amendment does not have either your approval or that of the Operator and cannot be amended within your delegated authority, the original and all copies of the subject amendment are to be returned to this office, together with the proposed changes for consideration.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey

Enclosures 6

WCAnderson:gad 4/27/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Neuk

Project Summary Report

By: Walter C. Anderson April 29, 1954

1. Docket No. DMEA-2794 - Mica
   Contract No. Idm-E607
   Clear Mine
   Yancey County, North Carolina

   Operator: Carolina-Clear Mica Company
   c/o B. G. Thomas
   Spruce Pine, North Carolina

   Operator's Property Rights:
   Lease for 10 years dated 8/17/53.
   Owner's Consent to Lien dated 8/24/53.

2. Contract - dated 9/24/53

   Work authorized:

Enlarge and timber shaft - 20 ft. @ $20/ft.	$ 400.00
80 feet of shaft @ $50/ft.	4,000.00
130 feet of crosscut and drift @ $35/ft.	4,550.00
Total estimated cost	$8,950.00
Government participation @ 90%	$8,055.00

   Work completed:

Reconditioning shaft 20 ft. @ $20/ft.	$ 400.00
80 feet of shaft @ $50/ft.	4,000.00
125.5 feet of crosscut and drift @ $35/ft.	4,392.50
Total accepted cost	$8,792.50
Government participation @ 90%	$7,913.50

   Work completed on March 12, 1954.

   Additional exploration recommended by field team:

75 feet of drift and/or crosscut @ $35/ft.	$2,625.00
Government participation @ 75%	$1,968.75

3. Comments:

   Geological Premise: The premise that shaft would bottom in pegmatite proved correct. Crosscutting to the Northwest to find a parallel pegmatite and drifting Northeast to determine extension of pegmatite in that direction gave negative results. Drifting in a southwesterly direction is in pegmatite more than 15 feet thick containing a small amount of good quality mica. In the

first 33 feet of this southwesterly drift most of the mica contains "A" structure and is stained. It appears that as drifting continues in this direction the quality of mica improves.

Geological Criteria on which proposal for 75 feet additional drifting is based:

1. Three existing surface shafts above the 75 feet of proposed drifting are in pegmatite containing Southwest raking mica shoots according to the field team.

2. Quality of mica improves in direction of proposed drifting according to field team.

Future possibilities:

Since the work authorized in the contract has been completed, further drifting to prove that substantial quantities of good quality mica will be found will require additional funds. The chances for finding sufficient mica to make possible a certification of discovery seem good enough to justify the additional 75 feet of drift and/or crosscut from the Southwest face.

Recommendations:

Geological Survey - concurs in field team recommendation.
Bureau of Mines - concurs in field team recommendation.
DMEA - Recommends that an amendment be prepared providing for an additional 75 feet of drift and/or crosscut at $35/ft., or $2,625.00. Although the contract was executed before November 3, 1953, Government participation should be 75 percent. The subject amendment is approved with reluctance by this Division inasmuch as sufficient funds were set up under the contract to thoroughly explore the proposed target. Leaving the shaft bottom the work should have been prosecuted along the pegmatite such as is now recommended by the amendment and not by the two crosscuts. However, inasmuch as we have spent $8,792.50 we are justified in doing a little additional work in the hope of making a certification of discovery. In the future it would be well for the field team to direct their work, in the first place, toward the better targets.

WCAnderson:gad 4/29/54
Copy to: Admr. R. File
Mr. Houk

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

Defense Minerals Administration
RECEIVED
MAR 30 1954

March 30, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2794

Contract No.: Idm-E607

Applicant: Carolina Clear Mica Company

Name and Location of Property: Clear Mine
Yancey County, North Carolina

Date of Field Team Report: March 15, 1954

Date Rec'd. by Ceramic & Fert. Mats. Branch: March 24, 1954

Field Team Recommendation:

1. Additional exploration at a cost of $2,625.

Comments:

1. Exploration, as outlined in field team report dated January 20, 1953, by sinking a 100-foot shaft and drifting 125 feet has been completed at an estimated cost of $8,950.

2. The DMEA drift is in a pegmatite dike 15-feet thick and contains a small quantity of good quality mica.

3. The objectives set forth in this docket have been reached, however, it appears justified to provide the additional funds.

Recommendation:

I concur in the field team's recommendation for an amendment providing additional funds in the amount of $2,625 to provide for an additional 75 feet of drift and/or crosscut from the southwest face on the basis of the geological evidence disclosed to date.

Signed
W. F. Dietrich

IN REPLY REFER TO:
G-MD-CNM

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

March 29, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2794 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: B. G. Thomas, Spruce Pine, North Carolina.
Name of property: Clear Mine.
Location of property: Yancey County, North Carolina.
Date of field team report: March 12, 1954.
Authorship of field team report: L. E. Shirley and K. H. Teague and D. H. Amos.
Field team's recommendation: 75' additional crosscuts and drifts.
Comments: Examiners believe it necessary to get below probable shoots.
ACTION RECOMMENDED: Follow field team's recommendation.

D. M. Larrabee

Larrabee:jeh
3/29/54

cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee G-230

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

Defense Minerals Administration
RECEIVED
MAR 18 1954

March 15, 1954

Memorandum

To: Operating Committee, D M E A - Washington

From: Field Team, DMEA - Region VII

Subject: DMEA-2794, Idm-E 607 (mica) Clear Mine, Carolina Clear Mica Co. c/o B. G. Thomas, Spruce Pine, N. C.

At the time of the last inspection, March 12, 1954, work provided under the contract was virtually completed. Work completed to that date consisted of sinking a 100-foot shaft, and driving 125.5 feet of drift and crosscut. Also, several long drill holes suppliment this footage. See the attached map for the extent of openings and geology of the work accomplished to date.

The most recent work has been conducted from the southwest heading. This drift is in pegmatite which is more than 15 feet thick and contains a small amount of good quality mica. Furthermore, the amount of plagioclase feldspar appears to be increasing. The exploration to date has shown that no mica-bearing pegmatite occurs northwest and northeast of the shaft. Also, the work seems to indicate that the three existing surface shafts were made in pegmatite which contained southwest raking mica shoots. If these assumptions are correct, then additional level work beyond the present face should be conducted.

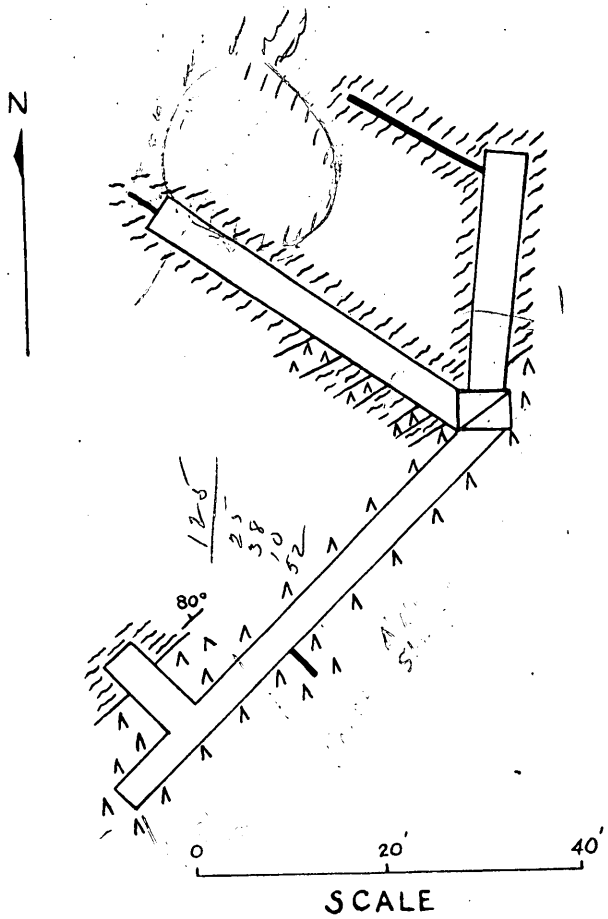
The field examiners have recommended, and the Field Team concurs, that additional exploration is warranted on this project. It is recommended that an Amendment be prepared providing for an additional 75 feet of drift and/or crosscut from the southwest face. This will cost an additional $2,625.00.

Wm. A. Beck, Acting Executive Officer
DMEA - Region VII

1-cc to Bur. Mines 3/23/54
1-cc to U.S.G.S. 3/23/54

Benjamin Gildersleeve, Geologist
U. S. Geological Survey

KMT/sm



PLAN
OF
CLEAR MINE

DMEA-2794

INTERIM REPORT

RMA-2794 Idm-2607 (mica) [illegible] [illegible] 10 1954

OPERATOR: Carolina-Clear Mica Company, c/o R. C. Thomas, Spruce Pine, North Carolina.

LOCATION: In a ridge south of the South Toe River and 1.3 miles N 73° W of Bonford, Yancey County, N. C.

Drifting continues on this contract. Combined drifts and crosscuts now total 92.5 feet. Headings have been driven as follows: No. 1 - Driven 25.5 feet in a N 5° E direction. No. 2 - Driven 34 feet in a N 55° E direction. Work had been abandoned in both these drifts because of the absence of and pinching of pegmatite. No. 3 (Present drift) has been driven 35 feet in a S 45° W direction and entire drift crosssection is in pegmatite. The pegmatite material is predominantly feldspar with scattered quartz. Several bags of mica, some in large sizes, have been recovered from this drift. Most of the mica contains "A" structure and considerable stain. Drifting will continue in this same general direction until another examination can be made. Progress on this contract is satisfactory.

Mr. W. A. Beck, member of the RMA Field Team accompanied the Field Examiners on this visit to the mine.

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

K. H. Teague, L. L. Amos, Geologists
U. S. Geological Survey

February 25, 1954

MF-104 (Rev.)
(April 1952)

Mr. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1954 Docket No. DMEA 2794 Contract No. Idm- E 607
Operator's Name B. G. Thomas & Tarp Young Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $8,950.00 Government Participation: 90 % Amount, $ 8,055.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting 1½ ft.	402.50	647.50	1050.00			
Drifting 38 ft.	1330.00	892.50	2222.50			
Shafting		4000.00	4000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber ing		400.00	400.00			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1732.50	5940.00	7672.50	1,732.50	5,940.00	7,672.50

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-53

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

Date 2-26-54 *Payee B. G. Thomas & Tarp Young

Per B G Thomas Title Partner

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

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

(Instructions on reverse)

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

$1,559.25

Signature Cora A. Piper
(Authorized Certifying Officer)

Date MAR 8 1954 Vou. No. 230
(See other side)

173.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E607 in accordance with the terms of the contract.

Signature Laurence E. Shirley Title Mining Engr. U.S.B.M. Date March 1, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date MAR 3 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 195 4 Docket No. DMEA 2794 Contract No. Idm- E 607

Operator's Name B. G. Thomas & Tarp Young Minerals Mica

Address Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	1330.00	38	2222.50	63½	35.00	100	35.00
Crosscutting	Ft.	402.50	11½	1050.00	30	35.00	30	35.00
Raising								
Shafts	Ft.			4000.00	80	50.00	80	50.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	Ft.			400.00	20	20.00	20	20.00
TOTAL DISTRIBUTED COSTS		1732.50		7672.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1732.50		7672.50				

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

Date 2-26-54 Operator B. G. Thomas & Tarp Young

Per B. G. Thomas Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

[illegible]

D[illegible]-2794 [illegible]-[illegible] ([illegible]) [illegible]

OPERATOR: Carolina-Clear [illegible] Company, c/o [illegible] Thomas, Spruce Pine, [illegible] C.

LOCATION: On a ridge south of the South Toe River and 1.5 miles [illegible] 73° [illegible] of Bonfard, [illegible] County, [illegible] C.

Drifting continued in the No.3 drift to the southwest and all drifts and crosscuts accomplished to date total 124.5 feet. Only 6.5 feet of work remains on the contract.

The No. 3 drift has been advanced to 54 feet in pegmatite. A 10-foot crosscut was driven at 42 feet in a 45° direction for 10 feet in pegmatite. A 6-foot test line was drilled in the west wall at 30.5 feet in pegmatite. Material encountered in all of this work was pegmatite composed of greenish-colored feldspar and [illegible] sulphides, minor garnet, muscovite mica and inclusions of biotite gneiss.

It is requested that an amendment allowing 75 feet of additional crosscuts and drifts be prepared for this contract. This footage is necessary to explore the pegmatite fully. No recovery to the present has been made, but observers believe that additional drifting and crosscutting will be necessary to follow pegmatite work under sheets that have produced in the past and to explore both walls of the body.

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

[illegible] Geologists
[illegible] Geological Survey

March 12, 1954

DMEA NO. 2794

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of February, 1954

Work Accomplished

We have drifted 38 feet this month and did 11½ feet of Crosscutting.

Daily Notes

February 1 - 3	Mucked and drilled.
February 4 - 5	Mucked and drilled.
February 8 - 10	Did some sheeting and drilled.
February 11 - 12	Mucked and drilled.
February 15 - 16	Mucked and drilled.
February 17 - 19	Did some sheeting and drilled.
February 22 - 23	Mucked and drilled.
February 24 - 26	Did more sheeting and drilled.

Mac Cordierson

[illegible] REPORT

[illegible]-2794 [illegible]-607 (mica) [illegible] [illegible] 19 1954

[illegible]: Carolina-Clear Ice Company, c/o [illegible] Thomas, Spruce Pine, N. C.

[illegible] On a ridge south of the South Toe River and 1.3 miles N 73° W of Micaville, Mitchell County, N. C.

Shaft sinking has been completed to a total depth of 100 feet. The shaft was floored at 96 feet leaving a 4 ft. sump depth and turnoff made from this level. Crosscutting and drifting in progress and combined totals 45.5 feet. A crosscut or drift has been driven at [illegible]° from the shaft bottom, following lenses or pods of pegmatite to near the present face. Evidence of pegmatite is confined to the SE wall near the road section. The material encountered consists of theso-lonses and albite gneiss. At a point 24 feet from the shaft a test hole 18 feet in length has been drilled in the [illegible] wall; no pegmatite was encountered. After such poor results were obtained in this work the operator returned to the shaft and drove 18 feet of crosscut or drift in a N 80° W direction. Pegmatite material can be traced along the southwest wall almost to the present face, much of it however is quartzose and the last 8 feet of material contained but little mica. Either or both of these headings could be called drifts on the basis of pegmatite material. The operator chooses to call the [illegible] 5° W heading a drift and the [illegible] 60° [illegible] heading a crosscut. Work is presently being conducted to the [illegible] and will continue until another examination can be made.

The operator was advised to correct [illegible] caused by heavy shooting and to scale both headings thoroughly. Progress on this contract is satisfactory.

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

R. [illegible] Teague and [illegible] Jones,
Geologists, U. S. Geological Survey

January 29, 1954

Form MF-134 (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

206

Month of January, 1954 Docket No. DMEA 2794 Contract No. Idm- E 607
Operator's Name B. G. Thomas & Tarp Young Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $8,950.00 Government Participation: 90 % Amount, $8,055.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) ~~Independent~~ Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	648.00	None	648.00	647.50		647.50
Drifting	578.00	315.00	893.00	577.50	315.00	892.50
Shafting		4000.00	4000.00		4000.00	4000.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		400.00	400.00		400.00	400.00
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1226.00	$4715.00	$5941.00	1225.00	4715.00	5,940.00

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

Date 1-30-54 *Payee B. G. Thomas & Tarp Young

Per B G Thomas Title Partner

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

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

(Instructions on reverse)

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

$1,102.50

Signature Cora A. Piper
(Authorized Certifying Officer)

Date FEB 5 1954 Vou. No. 406
(See other side)

4 122.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E607 in accordance with the terms of the contract.

Signature Lawrence E. Shirley Title Mining Engr. U.S.B.M. Date Feb. 1, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date FEB 3 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Jan. 195 4 Docket No. DMEA 27.94 Contract No. Idm-E-607
Operator's Name B. G. Thomas & Tarp Young Minerals Mica
Address Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	~~578.00~~	16½	893.00	25½	35.00	100	35.00
Crosscutting	Ft.	~~648.00~~	18½	648.00	18½	35.00	30	35.00
Raising								
Shafts	Ft.			4000.00	80	50.00	80	50.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	Ft.			400.00	20	20.00	20	20.00
TOTAL DISTRIBUTED COSTS		~~1226.00~~		5941.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		~~$1226.00~~		$5941.00				

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

Date 1-30-54 Operator B. G. Thomas & Tarp Young

Per B G Thomas Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only) in costs this month

Items for drifting and crosscutting should be $577.50 and $647.50 respectively. Costs to date under these items should be $892.50 and $647.50 respectively. Totals should be $1225.00 and $5940.00 instead of $1226.00 and $5941.00.

W A Beck

INSTRUCTIONS

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

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

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

GPO 83-38475

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
1 1 1954

DMEA No. 2784

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of January, 1954

Work Accomplished

We have ~~xxxxxxxxx~~ drifted 16½ feet and did 18½ feet of crosscutting, for the month of January.

Daily Notes

January	4 - 6	Mucked and drilled.
January	7 - 8	Did some shooting and drilled.
January	11 - 12	Mucked and drilled.
January	13 - 15	Mucked and drilled.
January	18 - 20	Mucked and drilled.
January	21 - 22	Did some shooting and drilled.
January	25 - 26	Mucked and drilled.
January	27 - 29	Mucked and drilled.

RECEIVED
12 1954

February 3, 1954

Mr. B. G. Thomas
Carolina-Clear Mica Co.
Spruce Pine, North Carolina

Re: DMEA-2794, Idm-E 609 (mica)
Yancey County, N. C. Thomas & Young

Dear Mr. Thomas:

Your January "Monthly Report & Voucher" has been received in this office and is being forwarded to the Finance Office today for processing with a deletion of $1.00.

Your items for crosscutting and drifting should have been $647.50 and $577.50 respectively, instead of $648.00 and $578.00 as you had them. This will change your total at the bottom of the page and your total to date opposite these items.

Kindly change your copies of the report to conform with ours.

Very truly yours,

Wm. A. Beck, for R. A. Laurence

WAB/sm
Finance Office-3
Beck
Lynch
Files

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

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE K-40 — 185

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED — Department of the Interior — Defense Minerals Administration — JAN 18 1954

Month of December, 1953 — Docket No. DMEA 2794 — Contract No. Idm- E 607

Operator's Name B. G. Thomas and Tarp Young — Minerals Mica

Address Spruce Pine, N. C.

Contract Amount, $ 8,950.00 — Government Participation: 90% — Amount, $ 8,055.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting	315.00	None	315.00			
Shafting	1250.00	2750.00	4000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		400.00	400.00			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1565.00	$ 3150.00	$4715.00	1565.00	3150.00	4715.00

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

Date 1-4-54 *Payee B. G. Thomas and Tarp Young

Per B. G. Thomas Title Partner

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

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

(Instructions on reverse)

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

$ 140 85

Signature Cora A. Pipes (Authorized Certifying Officer)

Date JAN 14 1954 Vou. No. 185

(See other side)

3

(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-E607 in accordance with the terms of the contract.

Signature Laurence E. Shirley Title Mining Engr. U.S.B.M. Date Jan. 8, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title EXECUTIVE OFFICER DMEA REGION VII Date JAN 12 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 18 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Dec. 1953 Docket No. DMEA 2794 Contract No. Idm- E 607
Operator's Name B. G. Thomas and Tarp Young Minerals Mica
Address Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	315.00	9	315.00	9	35.00	100	35.00
Crosscutting								
Raising								
Shafts	Ft.	1250.00	25	4000.00	80	50.00	80	50.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	Ft.			400.00	20	20.00	20	20.00
TOTAL DISTRIBUTED COSTS		1565.00		4715.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1565.00		$4715.00				

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

Date 1-4-54 Operator B. G. Thomas and Tarp Young

Per B.G. Thomas Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Department of the Interior
Bureau of Mines Minerals Administration
RECEIVED
JAN 18 1954

DMEA No. 2794

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of December 1953

Work Accomplished

We have advanced 25 feet of shafting and 9 feet drifting for the month of December.

Daily Notes

December	1- 4	Mucked and drilled.
December	7 - 9	Mucked, drilled and did some shooting.
December	10 - 11	Mucked and drilled.
December	14 - 16	Mucked, drilled and did more shooting.
December	17 - 18	Mucked and drilled.
December	21 - 22	Mucked and drilled.
December	28 - 29	Mucked, drilled and did more shooting.
December	30 - 31	Mucked and drilled.

INTERIM REPORT

DMEA-2794 Idm-E607 (mica) CLEAR MINE

OPERATOR: Carolina-Clear Mica Company, c/o B. G. Thomas, Spruce Pine, North Carolina.

LOCATION: On a ridge south of the South Toe River and 1.3 miles N 73° W of Boonford, Yancey County, North Carolina

Shaft sinking continues on this contract and is now at 92 feet. The bottom could not be examined, but dump material indicated that the shaft bottom is in country rock, a biotite schist. Only 8 feet of shafting remains to be completed, at which point a turnoff will be made and cross cutting will begin.

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

December 14, 1953

Mr. Anderson

INTERIM REPORT

IMEA-2794 ldm-E607 (mica) CLEAR MINE

OPERATOR: Caroline-Clear Mica Company, c/o B. G. Thomas, Spruce Pine, North Carolina.

LOCATION: On a ridge south of the South Toe River and 1.3 miles N 73° W of Bemmford, Yancey County, North Carolina.

Shaft sinking continues on this contract and is now at 80 feet. The shaft has been cribbed solid to about 63 feet and has separated manway with staggered ladders and landings spaced at acceptable intervals. The bottom shows another pegmatite stringer which is striking to the northeast and biotite schist as enclosing rock. Large mica of poor quality has been produced from all three stringers encountered in sinking. The mine is now equipped with mechanical ventilation and a standby pump since power has been run to the mine. The ventilation system expedites the removal of smoke and fumes after shooting and should be an asset to future progress.

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

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

December 8, 1953

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

Mr. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

150

PAID ON VOUCHER & SCHEDULE
PAYMENTS K- 34

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1953 Docket No. DMEA 2794 Contract No. Idm-E 607
Operator's Name B. G. Thomas and Tarp Young Minerals Mica
Address Spruce Pine, N. C.
Contract Amount, $ 8,950.00 Government Participation: 90% Amount, $ 8,055.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shafting	750.00	2000.00	2750.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering		400.00	400.00			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$750.00	$2400.00	$3150.00	750.00	2,400.00	3,150.00

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

Date 12-1-53 *Payee B. G. Thomas and Tarp Young

Per B. G. Thomas Title Partner

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

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

(Instructions on reverse)

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

$ 675.00

Signature Cora A. Piper
(Authorized Certifying Officer)

Date DEC 9 1953 Vou. No. 150

(See other side)

2

75.00

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E602 in accordance with the terms of the contract.

Signature Lawrence C. Shurley Title Mining Engr. U.S.B.M. Date Dec. 4, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Lou A. Beck ACTING Title EXECUTIVE OFFICER DMEA REGION VII Date DEC 7 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1953 Docket No. DMEA 2794 Contract No. Idm-E 607
Operator's Name B. G. Thomas, & Tarp Young Minerals Mica
Address Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	750.00	15	2750.00	55	50.00	80	50.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	Ft.			400.00	20	20.00	20	20.00
TOTAL DISTRIBUTED COSTS		750.00		3150.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$750.00		$3150.00				

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

Date 12-1-53 Operator B. G. Thomas, & Tarp Young

Per B G Thomas Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA No. 2794

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of November, 1953

Work Accomplished

We have advanced 15 feet of shafting for the month of November.

Daily Notes

November	2 - 6	Mucked, and did more shafting.
November	9 - 13	Mucked, and did more shafting.
November	16 - 20	Mucked, and did more shafting.
November	23 - 25	Mucked, and did more shafting.
November	27 & 30	Mucked, and did more shafting.

Mr. Anderson

60

INTERIM REPORT

HHEA-2794 Idm-E607 (mica) CLEAR MINE

OPERATOR: Carolina-Clear Mica Company, c/o B. G. Thomas, Spruce Pine, North Carolina.

LOCATION: On a ridge south of the South Toe River and 1.3 miles N 75° W of Bowmford, Yancey County, North Carolina.

Shaft sinking continues on this contract and is now at 71 feet. The bottom was not examined, but dump material observed indicates that weathered biotite gneiss remains predominant. Another small pegmatite stringer has been encountered, but the mica is cracked, bent and contains stain, and is very similar to that recovered from the 12 to 16 inch stringer picked up at about 59 feet. Progress on this contract is satisfactory.

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

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

November 19, 1953

mlbt

Mr. Anderson

600

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1953

INTERIM REPORT

DMRA-2794 Idm-5607 (mica) CLEAR MINE

OPERATOR: Caroline-Clear Mica Company, c/o B. G. Thomas, Spruce Pine, North Carolina.

LOCATION: On a ridge south of the South Toe River and 1.3 miles N 73° W of Bowaford, Yancey County, North Carolina.

Shaft sinking is in progress on this contract and is now at 60 feet. The first 20 feet of work consisted of enlarging an existing 4' x 4' shaft to 5' x 7' in cross section and timbering to this depth. The remaining 40 feet has been sunk in semi-weathered hornblende gneiss and mica schist and required timber. About 54 feet of cribbing with 2" x 6" sawed oak has been accomplished; separated partition with ladders and landings have been installed. A gasoline-powered hoist and a 108 c.f.m. air compressor are on the job. A hoisting frame and tool house have been constructed. A pegmatite stringer was observed in the bottom trending N 35° E and about 12 to 16" in thickness. About 50 lbs. of block mica, much of it badly stained, was recovered from this stringer. Progress on this contract has been good.

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

November 6, 1953

Form MF-1[illegible] (Rev.) (April 1[illegible])

Mr. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

130

PAID ON VOUCHER [illegible] SCHEDULE [illegible]

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 195 3 Docket No. DMEA 2794 Contract No. Idm-E 607

Operator's Name B. G. Thomas and Tarp Young Minerals Mica

Address Spruce Pine, N. C.

Contract Amount, $ 8,950.00 Government Participation: 90% Amount, $ 8,055.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Shafting	2000.00	None	2000.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timbering	400.00	None	400.00			
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2400.00		$2400.00	2,400.00		2,400.00

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

Date 11-4-53 *Payee B. G. Thomas & Tarp Young

Per B. G. Thomas Title Partner

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

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

(Instructions on reverse)

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

$ 2,160.00

Signature Cora A. Finan
(Authorized Certifying Officer)

Date NOV 12 1953 Vou. No. 130
(See other side)

1 S 10/15 240.00

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E607 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title DMEA REGION VII EXECUTIVE OFFICER Date NOV 9 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form M-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

Defense Minerals Administration
RECEIVED
NOV 16 1953

Month of October 1953 Docket No. DMEA 2794 Contract No. Idm-E-607
Operator's Name B. G. Thomas and Tarp Young Minerals Mica
Address Spruce Pine, N. C.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	2000.00	40	2000.00	40	50.00	80	50.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Timbering	Ft.	400.00	20	400.00	20	20.00	20	20.00
TOTAL DISTRIBUTED COSTS		$2400.00		$2400.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		$2400.00		$2400.00				

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

Date 11-4-53 Operator B. G. Thomas & Tarp Young

Per B G Thomas Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

United States Atomic Energy Commission
RECEIVED
NOV 1 9 1953

DMEA No. 2794

OPERATORS
MONTHLY PROGRESS REPORT
for the
Month of October, 1953

Work Acomplished

We started work on the 15th. and have advanced 20 feet. of timbering and 40 feet of shafting of the month.

Daily Notes

October 15 - 16	Moved in and set up hoist and compressor.
October 19 - 21	Mucked and started timbering.
October 22 - 23	Mucked and timbered and did some shafting.
October 26 - 28	Mucked and timbered and did more shafting.
October 29 - 30	Mucked, timbered and did more shafting.

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

September 16, 1953

Memorandum

To: The Administrator

Through: L. G. Houk

From: Chief Counsel

Subject: Carolina-Clear Mica Company - Docket No. DMEA-2794

There is attached, in satisfactory legal form for execution, a contract covering the above-described project, subject to the attachment of the Owner's Consent to Lien.

for J. L. Hofflund
Chief Counsel

Attachments

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

140

September 16, 1953

Memorandum

To: The Administrator

Through: L. G. Houk

From: Chief Counsel

Subject: Carolina-Clear Mica Company - Docket No. DMEA-2794

There is attached, in satisfactory legal form for execution, a contract covering the above-described project, subject to the attachment of the Owner's Consent to Lien.

Albert E. Kane

for J. L. Hofflund
Chief Counsel

Attachments

600

SEP 2 4 1953

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

Subject: Docket No. DMEA-2794 - Mica
Carolina-Clear Mica Company
Carolina Clear Mica Mine
Yancey County, North Carolina

Dear Mr. Laurence:

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

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

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

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

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

Enclosures 12

WCAnderson:gad 9/21/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

A

600

AUG 26 1953

Mr. B. G. Thomas
Carolina-Clear Mica Company
Spruce Pine, North Carolina

Re: Docket No. DMSA-2794 - Mica
Clear (Amos Presnall) Mine
Yancey County, North Carolina

Dear Mr. Thomas:

Reference is made to our letter dated March 31, 1953, requesting additional information necessary to process your application.

Inasmuch as we have received no reply, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data have not been received by October 1, 1953, we will then consider the docket closed.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:gad 8/26/53

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

Mr. Feitler

MAR 3 1 1953

Mr. B. O. Thomas
Carolina-Clear Mica Company
Spruce Pine, North Carolina

Re: Docket No. DMEA-2794 (Mica)
Clear (Amos Presnell) Mine
Yancey County, North Carolina

Dear Mr. Thomas:

It is noted that the lease dated May 13, 1952, submitted with the subject application grants mining rights for only three years. The regulations of this Administration for obtaining Government aid in financing minerals exploration projects are set forth in DMEA Order-1. You will see that Section 8 of this order requires the applicant to have a sufficient interest in the land for the purposes of the exploration project contract. Section 10 (e) provides for a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, and for personal liability of the Operator, in order to secure for a period of ten years the Government's right to receive a percentage royalty in the event of production. Thus, where the Operator is a lessee, a lease for a term of ten years is required for the purposes of the contract, and a shorter term than ten years cannot be accepted unless the Owner's Consent to Lien is attached.

When an Owner's Consent to Lien cannot be obtained, before entering into an exploration project contract, the Government also requires each individual composing a partnership which proposes to become the Operator under such a contract to furnish a financial statement, reflecting his assets and liabilities. It is suggested that the financial statements include a reference to the stocks and bonds held by the applicants, their average bank balances, their average annual incomes over the preceding two years, and the value of any other personal or real property they own, together with their liabilities. If the financial responsibility is found adequate, the applicants will be required to sign a guaranty of payment to the Government of royalties upon all ore mined on the property described in the contract within ten years of the date of the contract regardless of whether the individuals then have any interest in such property or any part in the mining operations at the time the ore is mined, in the event a Certification of Discovery or Development is made.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure
AFKane/ICHouk/F Johnson/gad/bih 3/31/53
cc to: Docket
Admr. Reading File
Region VII (2)
Messrs. Dietrich R-3526
Norton RO-232 GSA Bldg.
Mittendorf
Houk - FJohnson

IN REPLY REFER TO:

G-MD-CNM

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

February 11, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1953

Memorandum

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

From: R. E. Van Alstine, Geological Survey

Subject: Comments of R. H. Jahns, USGS, on Norton's review of field team report on application DMEA-2794 (mica).

R. H. Jahns has made the following comments on Norton's memorandum of February 5 on the above subject:

"We have only brief dope on this mine. What we have, though, suggests that the recommendations are reasonable and in order."

R. E. Van Alstine

Van Alstine:jeh
G-2/11/53
cc: Director's reading 4212
Branch reading 4212
DMEA ✓
R.A.Laurence
Van Alstine, G-230
Norton "

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

February 9, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 10 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2794, Mica, Clear Mine, Yancey County, North Carolina

I concur in the field team's recommendation for an exploration program in the amount of $8,950.00.

W. F. Dietrich

600

DMEA-2794

Mr. S. L. Phillips

Spruce Pine, North Carolina

Dear Mr. Phillips:

Reference is made to two samples which you presented to W. E. Flynt, Superintendent, Spruce Pine Mica Depot, one from the Presnell and the other from the Crystal Clear Mine, both in Yancey County, North Carolina.

We are unable to identify these two mines; could you send us the DMEA numbers. Samples of mica have already been submitted on DMEA-2790 and 2794. Is it possible that you have submitted two sets of samples from each of the mines?

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

LGHouk:gad 2/6/53

Copy to: Admr. R. File
Records File
Field Team, Region VII
Mr. Houk

3-2-53

COPY COPY

GENERAL SERVICES ADMINISTRATION

Spruce Pine, North Carolina

February 2, 1953

Mr. Lawrence G. Houk, Chief
Nonmetallic Minerals Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Dear Mr. Houk:

Mr. S. L. Phillips has presented samples of mica from the Crystal Clear Mine in Yancey County and asked that we advise you as to whether or not this mica is acceptable on our mica purchasing program.

We are please to advise that this mica will be acceptable with proper preparation.

Yours very truly,

/s/ W. S. Flynt
W. S. Flynt, Superintendent
Spruce Pine Mica Depot

IN REPLY REFER TO:

G-MD-GNM

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

February 5, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2794 (Mica)

To: L. G. Hook, Defense Minerals Exploration Administration
From: J. J. Norton, U. S. Geological Survey
Applicant: Carolina-Clear Mica Company, c/o B. O. Thomas, Spruce Pine, North Carolina.
Name of property: Clear (Amos Presnell).
Location of property: 1.3 miles N. 73 W. of Boonford, Yancey County, North Carolina.
Date of field team report: January 14, 1953.
Authorship of field team report: K. H. Teague.
Field team's recommendation:

1. Ream out 20 foot shaft and sink to 100 feet.
2. 130 feet of drifts and crosscuts.

Comments:

1. The field team report indicates that exposures are inadequate to make a well-founded evaluation of this deposit. The little information that was available to Teague indicates that exploration is worth undertaking.
2. On December 11, 1952, I wrote R. H. Jahns for any information he has on this property, and in my memorandum to you of that same date I promised to transmit Jahns' data to you or to the field team. Jahns has never replied to my letter. I am sending him a copy of his memorandum and if he thinks his data may still be of use, I am sure he will write me soon. Possibly Jahns will think that Teague's recommendation should be modified, and he may think that exploration is not justified.

ACTION SUGGESTED:

Follow field team's recommendation unless Jahns provides evidence requiring that Teague's recommendations be reconsidered.

J. J. Norton

Norton:jeh
G-2/5/43
cc: Director's reading 4212
Branch " "
DMEA
Norton G-230
R. H. JAHNS (sent airmail, special delivery)

Room 13 Post Office Bldg.
Knoxville 2, Tenn.

COPY

January 20, 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Field Team, Region 7

Subject: Field Examination Report, DMEA-2794 (mica) Carolina-Clear Mica Co., c/o B. G. Thomas, Applicant, Yancey County, N. C.

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

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

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

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

Reviewed by
DMEA OPERATING COMMITTEE

1-26-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2794, CLEAR (AMOS PRESNELL) MINE
(Mica)
Yancey County, North Carolina

By

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

January 14, 1953

Reviewed by
DMEA OPERATING COMMITTEE
1-26-53
(date)

Field Examination Report
on
CLEAR(AMOS PRESNELL) MINE, (Mica).

IMEA-2794

Applicant: Carolina-Clear Mica Company, c/o B. G. Thomas
Spruce Pine, North Carolina

The Clear or Amos Presnell Mica Mine is on a ridge south of the South Toe River and 1.3 miles N. 73° W. of Boonford, Yancey County, N. C.

This deposit has possibilities for producing considerable strategic mica. It is believed that exploration is warrented and should consist of sinking a 100-foot vertical shaft and driving 130 feet of crosscuts and drifts.

The writer examined the deposit on January 9, 1953. Mr. B. G. Thomas, Tarp Young, and S. L. Phillips accompanied the examiner to the deposit. The examination required two hours.

Both of the Applicants have spent much of their adult life engaged in mining and appear to be competent.

This property is held under lease and as no "Owner's Consent to Lien" can be obtained, the credit standing of the applicants was investigated. Both men are well liked and their credit rating with local merchants is excellent. No attempt was made to determine their net worth. Area covered by the lease is adequate for the proposed project.

There are no surface facilities on the property at present and none are required for this project.

Mining at this place has been conducted along a series of pemgatites for a distance of approximately 400 feet. The openings all caved, comprise 4 adits near the southwest end, several shafts and inter-connecting stopes along the crest of the ridge, and two shallow cuts 30 feet northeast of the ridge crest. None of the openings penetrated hard rock. It is estimated that their maximum depth is no more than 60 feet.

The apparently concordant pegmatite body, which is at least 15 feet thick, strikes from N. 30° E to N. 60° E, dipping steeply southeast in hornblende gneiss. The various dumps contain much quartz, a little kaolinized microcline, kaolin, and mica. Parallel pegmatite bodies to the northwest and southeast were worked to a small extent.

The mica has been classified as suitable for stockpiling by the Spruce Pine Mica Depot. It is hard, generally flat, clear and splits well. Some "A" structure is present. Apparently, from reports, some large size blocks were obtained when the mine was operated.

Past history of mining at this place is unknown. Certainly there has been little mining in the past 30 years.

The writer believes this deposit can produce considerable strategic mica. It is recommended that an existing 4' x 4' shaft 20 feet deep be trimmed to 5' x 7', timbered and deepened to 100 feet. This ground stands well, but it should be timbered. Little water should be encountered. The bottom of the proposed shaft should be in pegmatite on which some drifting should be done. In addition to the drifting it is recommended that 30 feet of crosscuts be driven to explore possible parallel mica pegmaities. A total of 130 feet of drifts and crosscuts are recommended.

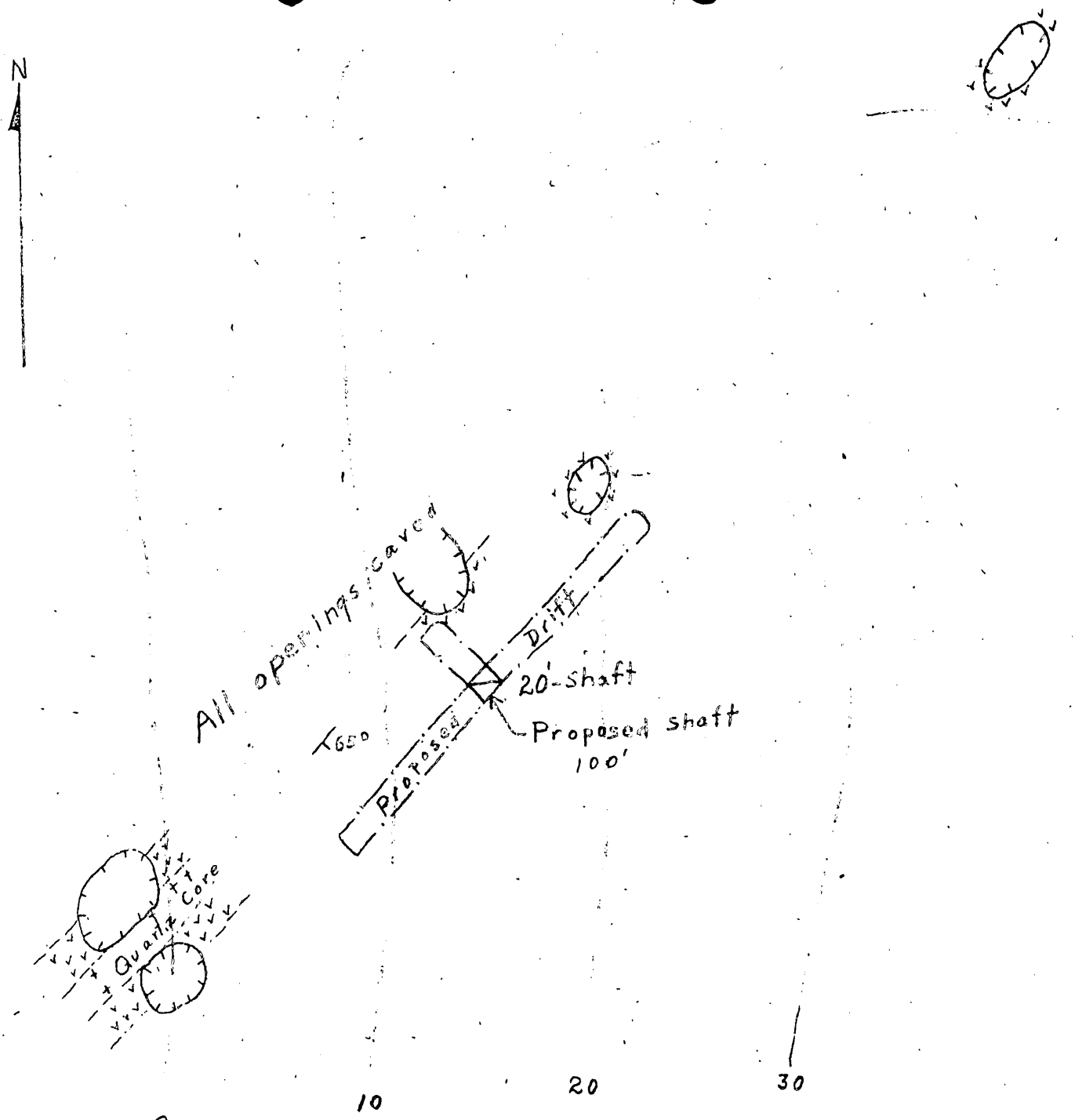
Estimated Costs:

20 feet, 4' x 4' shaft to be trimmed to 5' x 7' @ $20.00/ft.	$400.00
80-foot, 5' x 7' shaft @ $50/ft.	$4,000.00
130 feet, crosscuts and drifts @ $35/ft	$4,550.00
Estimated total cost	$8,950.00

Estimated time required 140 shifts.

January 14, 1953.

Kefton H. Teague, USGS



Sketch of
CLEAR MINE
Yancey Co., N.C.

0 40' 80'
Scale

DMEA-2794 (Mica)

DEC 1 6 1952

Carolina-Clear Mica Company
C/o Mr. B. G. Thomas
Spruce Pine, North Carolina

Subject: Docket No. DMEA-2794 - Mica
Carolina-Clear Mica Company
Clear Mine
Yancey County, North Carolina

Dear Mr. Thomas:

Your application for exploration assistance at the Clear Mine in Yancey County as captioned above has been referred to Mr. Robert A. Laurent, Executive Officer, Defense Minerals Exploration Administration Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for field investigation and report.

Your interest in exploration for strategic mica is appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

LFBearns:gad 12/15/52

Copy to: Admr. R. File
Operating Committee (2)
Field Team, Region VII (2)
Mr. Dietrich, 3540
Mr. Morton, G-232 GSA Bldg.
Mr. Houk
Docket File

IN REPLY REFER TO:

G-JD-GSM

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

June 28, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2794 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Carolina-Clear Mica Co., Spruce Pine, N. C.
Name of property: Clear Mine.
Location of property: Yancey County, N. C.
Date of Field Team Report: June 3, 1954.
Authorship of Field Team Report: L. N. Shirley, K. N. Teague and D. H. Amos.
Field Team's recommendation: Operator be permitted to conduct remaining 21 feet of drift from the 80 ft. level.
Comments: None.
ACTION RECOMMENDED: Follow Field Team's recommendation.

D. M. Larrabee

Larrabee:jeh
G-6/25/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Larrabee 5218 Interior

IN REPLY

G-MD-CN

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

June 28, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2794 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Carolina-Clear Mica Co., Spruce Pine, N. C.
Name of property: Clear Mine.
Location of property: Yancey County, N. C.
Date of Field Team Report: June 3, 1954.
Authorship of Field Team Report: L. E. Shirley, K. E. Teague and D. E. Ames.
Field Team's recommendation: Operator be permitted to conduct remaining 21 feet of drift from the 80 ft. level.
Comments: None.
ACTION RECOMMENDED: Follow Field Team's recommendation.

D. M. Larrabee

Larrabee:jeh
G-6/25/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3 ✓
Larrabee 5218 Interior

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

March 29, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2794 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: B. G. Thomas, Spruce Pine, North Carolina.
Name of property: Clear Mine.
Location of property: Yancey County, North Carolina.
Date of field team report: March 12, 1954.
Authorship of field team report: L. E. Shirley and K. H. Teague and D. H. Amos.
Field team's recommendation: 75' additional crosscuts and drifts.
Comments: Examiners believe it necessary to get below probable shoots.
ACTION RECOMMENDED: Follow field team's recommendation.

D. M. Larrabee

Larrabee:jeh
3/29/54

cc: Director's reading 4212
Branch reading 4212
DMEA 3 ✓
Larrabee G-230

IN REPLY REFE
G-AD-CA

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

March 29, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2794 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: B. G. Thomas, Spruce Pine, North Carolina.
Name of property: Clear Mine.
Location of property: Yancey County, North Carolina.
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Authorship of field team report: L. E. Shirley and K. H. Teague and D. H. Ames.
Field team's recommendation: 75' additional crosscuts and drifts.
Comments: Examiners believe it necessary to get below probable shoots.
ACTION RECOMMENDED: Follow field team's recommendation.

D. M. Larrabee

Larrabee:jeh
3/29/54

cc: Director's reading 4212
Branch reading 4212
DMEA 3 ✓
Larrabee G-230

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

30 1954

March 30, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2794

Contract No.: Idm-E607

Applicant: Carolina Clear Mica Company

Name and Location of Property: Clear Mine
Yancey County, North Carolina

Date of Field Team Report: March 15, 1954

Date Rec'd. by Ceramic & Fert. Mats. Branch: March 24, 1954

Field Team Recommendation:

1. Additional exploration at a cost of $2,625.

Comments:

1. Exploration, as outlined in field team report dated January 20, 1953, by sinking a 100-foot shaft and drifting 125 feet has been completed at an estimated cost of $8,950.

2. The DMEA drift is in a pegmatite dike 15-feet thick and contains a small quantity of good quality mica.

3. The objectives set forth in this docket have been reached, however, it appears justified to provide the additional funds.

Recommendation:

I concur in the field team's recommendation for an amendment providing additional funds in the amount of $2,625 to provide for an additional 75 feet of drift and/or crosscut from the southwest face on the basis of the geological evidence disclosed to date.

Signed

W. F. Dietrich

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

Defense Minerals Administration
RECEIVED
APR 30 1954

March 30, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2794

Contract No.: Idm-E607

Applicant: Carolina Clear Mica Company

Name and Location of Property: Clear Mine
Yancey County, North Carolina

Date of Field Team Report: March 15, 1954

Date Rec'd. by Ceramic & Fert. Mats. Branch: March 24, 1954

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3. The objectives set forth in this docket have been reached, however, it appears justified to provide the additional funds.

Recommendation:

I concur in the field team's recommendation for an amendment providing additional funds in the amount of $2,625 to provide for an additional 75 feet of drift and/or crosscut from the southwest face on the basis of the geological evidence disclosed to date.

Signed

W. F. Dietrich

600

DEC 16 1952

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

Subject: Docket No. DMEA-2794 - Mica
Carolina-Clear Mica Company
Clear Mine
Yancey County, North Carolina

Dear Mr. Laurence:

Reference is made to Docket No. DMEA-2794, covering an application for exploration assistance by the Carolina-Clear Mica Company at the Clear Mine, Yancey County, North Carolina.

A field examination is needed to determine whether the property has sufficient merit to warrant assistance by this agency. If favorable, the report should include a definite program with cost estimates, preferably on a unit basis.

Since the owner is unwilling to grant an "Owner's Consent to Lien", the report should comment on the local credit reputation of the partners in the Carolina-Clear Mica Company, S.G. Thomas and Tarp Young.

Memoranda from the Geological Survey and the Bureau of Mines are enclosed. Please note that Mr. Norton, of the Geological Survey, will send you a copy of the Jahns Report to which he refers in his memorandum.

The Spruce Pine Mica Depot has informed us that the mica is acceptable for purchase if properly prepared.

Sincerely yours,

(signed) FRANK E. JOHNSON
Chairman, Operating Committee

Approved:

W. H. Hedges
Member, Bureau of Mines

A. R. Kinkel, Jr.
Member, Geological Survey

Enclosures 2

LFHearne:gad 12/15/52
Copy to: Admr. R. File
Docket File
Operating Committee (2)
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

600

DEC 3 1952

Carolina-Clear Mica Company
C/o Mr. B. G. Thomas
Spruce Pine, North Carolina

Subject: Docket No. DMEA-2794 - Mica
Carolina-Clear Mica Company
Clear Mine
Yancey County, North Carolina

Dear Mr. Thomas:

Reference is made to your application for exploration assistance at the Clear Mine, Yancey County, North Carolina, Docket No. DMEA-2794.

Will you please submit a sample of your mica, preferably at least two inches square and 1/16 inch to 1/8 inch in thickness to the Spruce Pine Purchase Depot for evaluation as to strategic quality and request that the Depot report the results to this office?

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

LFHearne:gad 12/2/52

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