Docket Copy

Hoffman

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. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

July 23, 1954.

Docket copy

EXPLORATION PROJECT CONTRACT
CAROLINA-CLEAR MINE COMPANY
DOCKET NO. DMEA-279A

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 Thorp Young, partners, doing business as Carolina-Clear Mine Company, that Contract I4m-R607 (Docket No. DMEA-279A), 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	$11,775.00
"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 O P Mittendorf
Administrator, Defense Minerals
Exploration Administration

Partners
Hoffland
Young
Talbot

CAROLINA-CLEAR MICA COMPANY

By B.G. Thomas (Partner)

By Tarp Young (Partner)

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 2794

COMMODITY Mica

Docket Copy

IDM-E 607

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

RECEIVED

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] S. J. 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 the mineral rights in that certain land situated in the State of North Carolina, County of Yancey, described as follows: set 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 subject to the following~~ [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 60 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 $[illegible] which is 60 percent of $3,950.00, 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

By Frank C. Johnson
ACTING Administrator, Defense Minerals Exploration Administration

CAROLINA CUPAR RICA COMPANY
(Operator)

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

By Tarp Young
Tarp Young - Partner

Peter Hunt Chandler

_____, 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 [illegible]

The following provisions are in lieu of all of paragraph (a) of Article 6 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

MF-203

OWNER'S CONSENT TO LIEN

Defense Minerals Administration
RECEIVED
AUG 31 1953

2794

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 200 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 production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, 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. H. 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.

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2794

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION ASSISTANCE

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

Copies to USGS, USBM. ONE cy to Reg. VII,

To:	code 600 Rm. 4637	Date	11-28-52
To:	Hearne	Date	12/1/52
To:	Oper Com	Date	12-15-52
To:	Code 600	Date	8-28-53
To:	Oper Com	Date	9-23-53
To:	Code 600 Rm 4637	Date	9-24-53
To:	Oper Com	Date	4-30-54
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

Alley
Talbot
Chambers

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

OCT 18 1954

Mrs. Cora A. Piper
Certifying Officer
Bureau of Mines, Region VII
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: DMEA-2794, Idm-E607
Carolina Clear Mica Co.

Dear Mrs. Piper:

Receipt is acknowledged of your memorandum dated October 13, 1954, in regard to a release in the amount of $656.25 for the above referenced contract.

We are issuing an obligation document today to correct this error. Thank you for calling this matter to our attention.

Sincerely yours,

SIGNED

Jay L. Chambers, Chief
Contract Administration
and Audit Division

AMAlley/ama
October 18, 1954

Copy to: Docket
Admr. Reading File
Mr. Chambers

A.C.B.

Docket Copy
Surname:

Hopkins
Houk
Potter
Hoffman
Chambers
Kiilsgaard
Hedges
Selfridge

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

SEP 29 1954

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

INTERIOR DEPT.
SEP 24 1954
SOLICITOR

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

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 copy for forwarding.)

J Hopkins:gad 9/23/54

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

R.C.

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

Project Summary Report

By: James Hopkins Jr. 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.

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.

Recommendation:

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

Donald R. Irving

Donald R. Irving

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

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.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1000 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

August 23, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA- Region VII

Subject: Amendment No. 2- DMEA-2794, Idm-E607. Carolina-Clear Mica Co.

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

Wm. A. Beck

Wm. A. Beck

RECEIVED
SEP - 2 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

WASHINGTON

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
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

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. Houk, 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. E. Shirley.
Field Team's recommendation: No certification of discovery.
Comments: I concur with Field Team recommendation against certification.

E. L. Newcomb

E. L. Newcomb

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

Robert A. Laurence

R. A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

Wm. A. Beck

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

Z

Spruce Pine, N. C.
August 2, 1954

Mr. Robert A. Laurence, 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 on this project. If you need further information, please contact us.

Very truly yours,

BG Thomas

B. G. Thomas

P/b

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, Idn-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 Dodge 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 32 feet and we shot in vein material most of the 32 feet, but it was a non-mica bearing pegmatite. No mica was encountered.

At the 42 ft. point in the 32 ft. drift, we rifted 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. C. Thomas

P/b

Spruce Pine, N. C.
August 2, 1954

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

Re: DMEA-2794, Idn-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 Sedge A mica.

From the bottom of the shaft, we drifted 28 feet to the North, and found no pegmatite whatever. We then drifted East 34 ft. and again contacted no pegmatite. We drifted Southwest 32 feet and we shot in vein material most of the 32 feet, but it was a non-mica bearing pegmatite. No mica was encountered.

At the 42 ft. point in the 32 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 sinking 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,

P/b

B. G. Thomas

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)
Y ancey County, N. C.

By

K. H. Teague and D. H. Amos, 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, 10, 1954

FINAL REPORT
On
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 Boonford, Yancey County, North Carolina.

Work completed under the contract consisted of enlarging the cross-section of an existing 20-foot shaft, deepening 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

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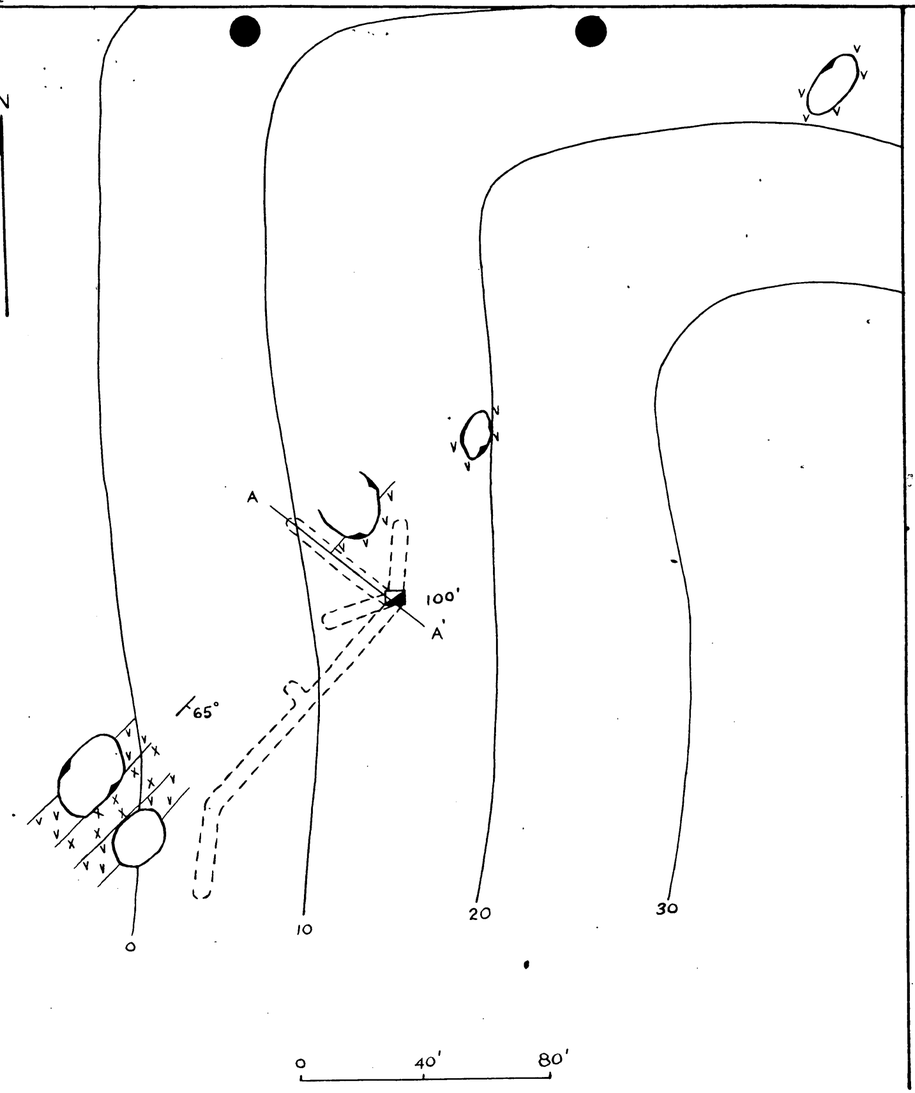
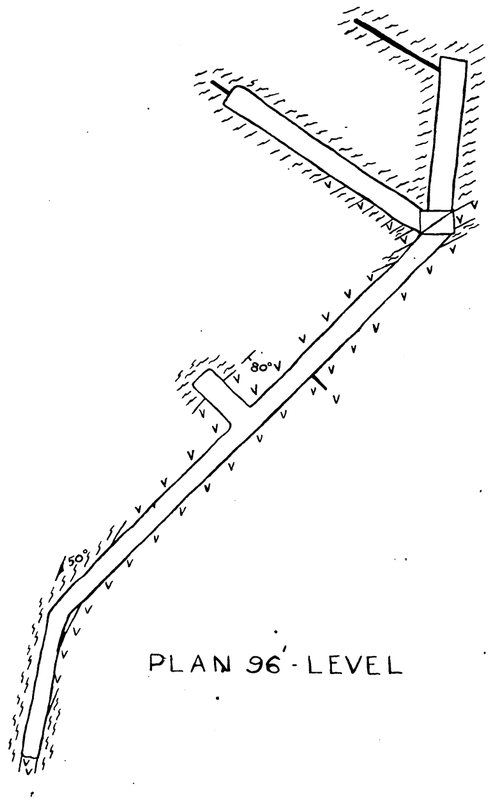
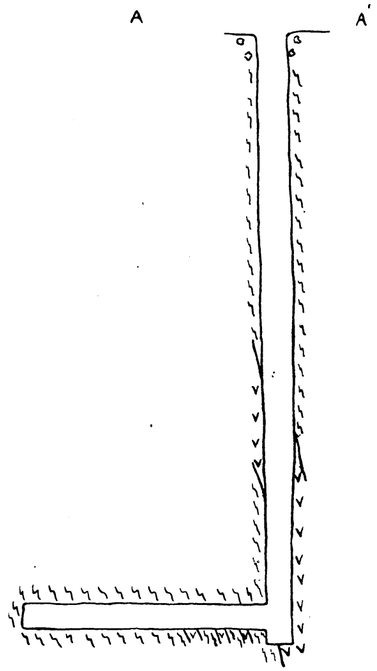




PLAN 96'-LEVEL

PLAN 62'-LEVEL

0 20' 40'



SECTION A-A'

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

DMEA - 2794 (mica)

INTERIM REPORT
On

DMEA-2794, Idn-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 D. H. Amos

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

z

Docket file
Surname

Anderson
Houk ✓
Rewritten Rubin
Hofflund
Selfridge
Hedges
Guild
Mitkendorf

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

JUL 8 - 1954

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

Re: 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.

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 (243)

Approved:

J. H. Hedges

Member, Bureau of Mines (246)

Philip W. Guild

Member, Geological Survey (243)

WCAnderson:HCRubin:lm 7-2-54

Copies to: ✓ Docket
Adm.Reading file
Operating committee
Mr. Hofflund
Chron.
W.F. Dietrish B/M Rm 3061
D.M.Larrabee USGS Rm G-232GSA
Mr. Houk (2)
Mr. Rubin
Pending

R.C.S.

DOCKET FILE
Surname:
Anderson
Houk

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

600

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

Subject: Docket No. DMEA-2794 - Mica
Carolina-Clear Mica Company
Clear Mine
Yancey County, North Carolina
Contract No. 1Cm-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.

Sincerely yours,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

WCAnderson:gad 6/29/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

Resubmitted 7-2-54
HCR: lm

IN REPLY REFER TO:

G-MD-CNM

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. H. 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

D. M. Larrabee

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

June 22, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA- Region VII

Subject: DMEA-2794, 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.

Check on this

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

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.

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

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

June 3, 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1350 POST OFFICE BLDG.
WASHINGTON 25, D.C.
KNOXVILLE 2, TENN.

May 10, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region VII

Subject: Amendment No. 1, DMEA-2794m Idm-E 607. Carolina-Clear Mica Co.

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

Wm. A. Beck

DOCKET COPY
Surname:
Talbert
Martin
Johnson

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

MAY 3 - 1954

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:

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 (245)

Approved:

J. H. Hedges
Member, Bureau of Mines (245)

D. M. Larrabee
Member, Geological Survey (245)

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. Houk

R.C.G.

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

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.

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

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.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 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.

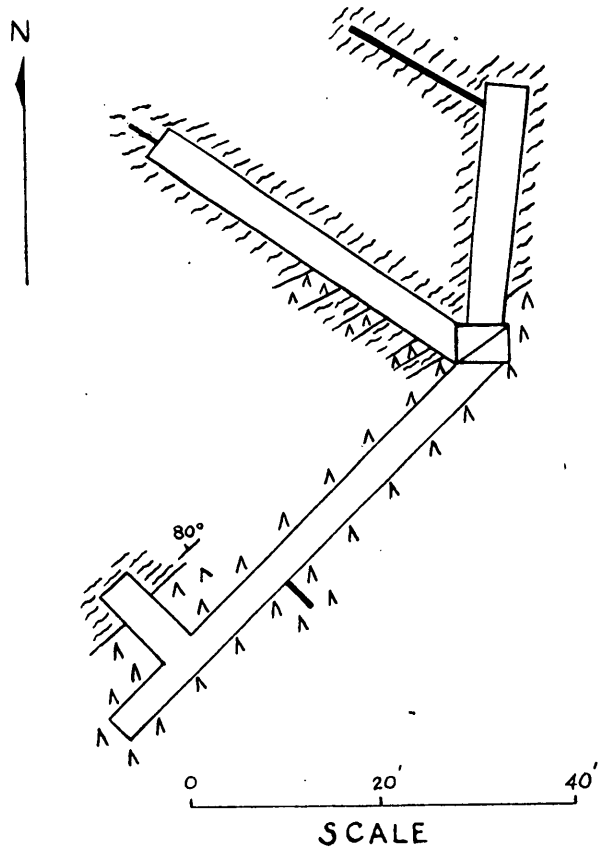
At the time of the last inspection, March 12, 1954, work provided under the contract was virtually completed. Work completed to that date consisted of sinking a 100-foot shaft, and driving 125.5 feet of drift and crosscut. Also, several long drill holes suppliment this footage. See the attached map for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

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

Benjamin Gildersleeve
Benjamin Gildersleeve, Geologist
U. S. Geological Survey



PLAN
OF
CLEAR MINE

DMEA-2794

INTERIM REPORT

DMEA-2794 Idm-E607 (mica) CLEAR MINE

OPERATOR: Carolina-Clear Mica Company, 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.

Drifting continues in the NO.3 drift to the southwest and all drifts and crosscuts accomplished to date total 123.5 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 N 45° W direction for 10 feet in pegmatite. A 6-foot test hole was drilled in the left wall at 30.5 feet in pegmatite. Material encountered in all of this work was pegmatite composed of greenish-colored feldspar containing sulphides, minor quartz, 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. Mica recovery to the present has been only scant, but the examiners believe that additional drifting and crosscutting will be necessary to place present work under shoots that have produced in the past and to explore both walls of the body.

L. E. Shirley

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

K. H. Teague D. H. Amos

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

March 12, 1954

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. 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° W 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 33 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 DMEA Field Team accompanied the Field Examiners on this visit to the mine.

L. E. Shirley

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

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

February 25, 1954

INTERIM REPORT

IMEA-2794 Idm-E607 (mica) CLEAR MINE

OPERATOR: Carolina-Clear Mica Company, 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.

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 is now under way and combined totals 43.5 feet. A crosscut or drift has been driven N 5° E 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 roof section. The material encountered consists of these lenses and biotite gneiss. At a point 24 feet from the shaft a test hole 18 feet in length has been drilled in the NW 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 60° 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 N 5° E heading a drift and the N 60° W heading a crosscut. Work is presently being conducted to the NW and will continue until another examination can be made.

The operator was advised to correct timbers loosened by heavy shooting and to scale both headings thoroughly. Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague

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

January 29, 1954

Bureau of Mines
Received
DEC 1953

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

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

December 14, 1953

INTERIM REPORT

DMEA-2794 Idm-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 Boonford, 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

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

K. H. Teague

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

December 3, 1953

MDL

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 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

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

K. H. Teague

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

November 19, 1953

MDL

DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
NOV 18 1953

INTERIM REPORT

DMEA-2794 Idm-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 Boonford, 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 105 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

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

November 6, 1953

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

EXECUTIVE OFFICER
DMEA REGION VII
Knoxville, Tenn.

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 26 1953

Case 10-26

October 22, 1953

Memorandum

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

From: Executive Officer, DMEA - Region 7

Subject: Signed Contracts

Transmitted are three copies each of the following:

DMEA-2794, Idm-E 607, Carolina-Clear Mica Company (mica)

DMEA-3130, Idm-E 612, E. R. Wellmon

Other copies of these contracts have been distributed according to the usual method.

Robert A. Laurence

Robert A. Laurence

FILE COPY
SURNAME:

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

600

SEP 24 1953

Anderson
Houk
Champlin
Selfridge
Hedges

Mr. Robert A. Laurance
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. Laurance:

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.

cae 9-24

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (3/6)

Approved:

J. H. Hedges (3/6)
Member, Bureau of Mines

A. R. Kinkel, Jr. (3/6)
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

R.C.S. 9-24-53

FILE COPY
SURNAME:

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

Lichtenne
Bartin

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

AEKane/ema
cc: Mails & Files
J. L. Hofflund
A. E. Kane
Chron.

HHK
9-16-53

MF-203

OWNER'S CONSENT TO LIEN

Department of the Interior
Defense Minerals Administration
RECEIVED
AUG 3 1953

2994

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 production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ _____, 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 J. Quinlan [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.

COPY

Received

NORTH CAROLINA

YANCEY COUNTY

This Lease, made this 17th day of August, 1953 by and between INTERNATIONAL MINERALS & CHEMICAL CORPORATION, a corporation organized and existing by virtue of the laws of the State of New York, having its principal office at 20 North Wacker Drive, Chicago 6, Illinois, hereinafter called LESSOR, and B.G. THOMAS of the County of Mitchell and State of North Carolina, hereinafter called LESSEE:

W I T N E S S E T H:

That for and in consideration of the sum of ONE DOLLAR ($1.00) and other considerations to be paid by the lessee to the lessor and in consideration of the royalties and the mutual covenants and agreements hereinafter set forth, the lessor hereby grants, lets, leases and demises unto the said lessee all of the feldspar, mica, quartz and such other minerals as lessee may desire in, upon or under the following tract of land, situate in Crabtree Township, County of Yancey, State of North Carolina, known as the "Carolina Clear Mica Mine", located on the former Amos Presnell land and more particularly described 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.

Together with right-of way for Lessee to the branch for a water line as conveyed to George Young and wife, Laura Young, by J.W. Young and wife, Dora Young, January 14, 1939, by deed recorded in deed book #83, page 155, records of deeds in Yancey County, North Carolina; and

Lessor RESERVES to itself and its successors and assigns the right, during the pendency of this lease, to use roads over and across the herein leased premises if found to be necessary or convenient.

1. Lessee shall have exclusive right to quarry, blast, dig, mine and remove from said land all the Feldspar, Mica, Quartz and such other minerals as Lessee may desire upon the terms and conditions more fully hereinafter set forth, and during such operations, said Lessee agrees at all times to keep the mine in a workmanship condition and free from waste, and upon abandoning the mine, Lessee agrees to leave all tunnels and entries to the mine in a good and workable condition.

2. The period or term for which said property is leased is Ten years from and after the date of the proper execution and acknowledgement of this lease, at which time, this lease shall terminate.

3. The royalties to be paid by the Lessee to Lessor hereunder shall be as follows:

A. For all Mica mined, removed, sold or shipped-one eighth (1/8) of the sale price at the time ofsuch sale or shipment.

B. For all Feldspar mined, removed and sold or shipped-Fifty cents (50¢) per gross ton of 2240 pounds.

C. For all Quartz mined, removed, sold or shipped - Ten cents (10¢) per gross ton of 2240 pounds.

D. For all other minerals removed, sold or shipped - one eighth (1/8) of the sale price at the mine at the time of such sale or shipment.

All royalties are due and payable on the twentieth day of the month next succeeding the month in which shipments are made.

4. Lessee shall have all the necessary rights of ingress, egress, and regress over the lands of Lessor for the purpose of conducting said mining and shipping operations and such other operations as pertain to the same and over all mineral lands demised by this Lease; but the privileges granted in this clause shall not be construed to be in conflict with the reservation hereinabove contained, nor to curtail or infringe upon the right of lessor to use roads across the herein leased premises if found by it to be necessary or convenient.

5. During the continuance of this lease, Lessor is to have the exclusive right to purchase all feldspar mined on this property. In the event the Lessor is unable to receive the feldspar, it is to be stockpiled on the property until such time as the Lessor can purchase same. All Feldspar produced at the mine is to be purchased at the market price being paid by Lessor to North Carolina producers for similiar feldspar.

6. It is further understood that this lease cannot be assigned except by the written consent of the Lessor.

7. During the continuance of this lease, said Lessee shall have the right to erect, place, replace and maintain any buildings, roadways, tramways, inclines, bridges and machinery of all descriptions, chutes, pipe lines, ditches, tie lines and other such proper methods as are used in mining and the Lessee shall have the right to remove any and/ or all of the same from the property at the Lessee's own discretion.

8. Lessee shall have the right to dump and dispose of all waste and refuse made, arising and resulting from said mining operations upon the land of the Lessor covered by this lease. Lessee agrees to pay Lessor a minimum royalty of five hundred dollars ($500.00) per year during the life of this lease, however, it is understood and agreed that if at any time during the continuance of this lease in the judgment of the Lessee, mining operations shall become unprofitable, said Lessee shall have the right to terminate this lease by giving to the Lessor notice in writing of such intention to terminate and the Lessee shall have one month from and after such notice within which to remove all of its machinery and equipment, with the exception of mine timbering or other supports necessary to the safe operation of the mine, It is further understood and agreed that upon the failure of the Lessee to comply with the terms of this lease, the Lessor may at its option declare this lease null and void and terminate the same by giving the Lessee one month's notice inwriting; and Lessee shall have a period of one month after receipt of such notice within which either to immediately correct such nomcompliance or to cease operations altogether; and should this lease be so terminated, all machinery, tools, buildings, bridges, inclines, tramways, cableways, pipe lines, tie lines, fixtures, and all other improvements and property placed upon said premises by said Lessee shall be and remain the property of the said Lessee, and the said Lessee shall have one month within which to remove any and/or all of said property, provided that all royalties have been paid up to date and all other terms of this lease have been complied with.

9. Lessee agrees that at all times during the continuance of this lease and any renewals thereof that said Lessee will carry sufficient compensation and liability insurance to protect its operations and said Lessee agrees to save said Lessor harmless from any injury to persons or property resulting from said Lessee's operations.

IN WITNESS WHEREOF, Lessor has caused these presents to be signed in its name and by its _____President and attested by its Secretary, and its corporate seal to be placed hereon in attestation hereof, all by order of its Board of Directors in regular session duly given on the 9th day of September, ~~1953~~ 1947, and Lessee has hereto affixed his name by his hand and seal on the day and year herein written.

ATTEST:

INTERNATIONAL MINERALS AND CHEMICAL CORPORATION

M. Edwards
SECRETARY
(Corporate Seal)

By Norman Dunbeck (Seal)
Vice PRESIDENT

ATTEST:

Frank McCurry

B.G. Thomas

By B.G. Thomas (Seal)

STATE OF ~~NORTH CAROLINA~~ ILLINOIS

COUNTY OF ~~MITCHELL~~ COOK

On this 24th day of AUGUST, 1953, personally came before me Harold M. Shutter, Notary Public in and for the county and state aforesaid, ~~B.G.~~ NORMAN J. ~~THOMAS~~ DUNBECK to me well known to be the person who signed the foregoing lease, and who acknowledged the due execution of said instrument by himself for the purposes therein expressed.

Witness my hand and Notarial Seal this 24th day of AUGUST, 1953.

Harold M. Shutter
NOTARY PUBLIC

My commission expires:
JUNE 20, 1954

FILE COPY
SURNAME:

Anderson
Houk

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

AUG 26 1953

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

Re: Docket No. DMEA-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 (for)

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

R.C.H.
8-26-53

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

June 22, 1953

Memorandum

To: Chairman, Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region 7

Subject: Carolina-Clear Mine, DMEA-2794, Yancey County, N. C.

On June 19, 1953, Mr. B. G. Thomas was contacted regarding the subject mine. Mr. Thomas informed the field examiners that he had applied for a new lease on the mine for a five year duration with an option for an additional five years. He states that the necessary papers should be received within the next two weeks. Therefore, this application should be continued in the pending file.

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

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

FILE COPY
SURNAME:

FEJohnson

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

MAR 31 1953

Mr. B. G. 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 (c) 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 (for) 3/31/53

Administrator

Enclosure
AEKane/LGHouk/FEJohnson/gad/bih 3/31/53
cc to: Docket
Admr. Reading File
Region VII (2)
Messrs. Dietrich R-3526
Norton RG-232 GSA Bldg.
Mittendorf
Houk - FEJohnson

FILE COPY
SURNAME:

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

600

Houk
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Hoffland

Mr. R. G. Thomas
Carolina-Clear Mica Co.
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 from each individual composing a partnership which proposes to become the Operator under such a contract to furnish a financial statement, reflecting their 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 balance, their average annual income 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.

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

AEKane:LGHouk:gad
3/25/53

Sincerely yours,

Administrator

Enclosure

GENERAL SERVICES ADMINISTRATION

Spruce Pine, North Carolina

February 2, 1953

? Dmea - 2794

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 pleased to advise that this mica will be acceptable with proper preparation.

Yours very truly,

W. S. Flynt, Superintendent
Spruce Pine Mica Depot

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

Mr. B. G. Thomas
Carolina-Clear Mica Co.
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 (c) 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 ~~from~~ each individual composing a partnership which proposes to become the Operator under such a contract to furnish a financial statement, reflecting ~~their~~ 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,

Administrator

Enclosure

IN REPLY REFER TO:

G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1953

February 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

R. E. Van Alstine

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

W. F. Dietrich

IN REPLY REFER TO:

GMD-CNM

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

February 5, 1953

Memorandum

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

To: L. G. Houk, Defense Minerals Exploration Administration
From: J. J. Norton, U. S. Geological Survey
Applicant: Carolina-Clear Mica Company, c/o B. G. 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 this 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 recommendations 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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 22 1953

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.

Robert A. Laurence

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

Wm A Beck

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

Reviewed by
DMEA OPERATING COMMITTEE
1-25-53
(date)

9/23/53

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
1-25-53
(date)

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

DMEA-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 amd 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

FILE COPY
SURNAME:

Hearne
Hank
Johnson

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

DEC 16 1952

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

Subject: Docket No. DMEA-279[illegible] - 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. Lawrence, 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 (for)

Administrator

LFHearne:gad 12/15/52

J.H.
12-16-52

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

FILE COPY
SURNAME:

Hearne
Hook

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

DEC 16 1952

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region VII
Room 13, Post Office Building
Knoxville 2, 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, E.G.Thomas and Turp 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 Johns 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 (JHB)
Chairman, Operating Committee

J.H. 12-16-52

Approved:

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

A. R. Kinkel, Jr. (JHB)
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. Hook

IN REPLY REFER TO:

G-MD-CNM

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

December 11, 1952

Defense Minerals Administration
RECEIVED
DEC 1 2 1952

Memorandum

REVIEW OF APPLICATION DMEA-2794 (sheet mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: J. J. Norton, U. S. Geological Survey
Applicant: Carolina-Clear Mica Co., Spruce Pine, North Carolina
Name of property: Amos Presnell tract, including Clear Mine.
Location of property: Crabtree Township, Yancey County, North Carolina.
Estimated cost of project: $8,356.25.
Summary of applicant's proposal:
110-foot shaft and 25-foot drifts from shaft in each direction.
Sources of information on applicant's property:
We can find no records of the Clear mine. However, an Amos Presnell mine, which may be the same property, is listed in the index of R. H. Jahns' unpublished report on the mica deposits of the Blue Ridge province. We have asked R. H. Jahns to send us information on this mine.
Comments:
Applicant states owners will not sign subordination agreement.
RECOMMENDATION:
Wait for report from Jahns. Or, if you prefer, the docket can be sent to the field team and we can send them Jahns' report when it arrives.

J. J. Norton
J. J. Norton

GENERAL SERVICES ADMINISTRATION

Spruce Pine Mica Depot
December 8, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 10 1952

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

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

Dear Mr. Houk:

Mr. B. G. Thomas, of the Carolina-Clear Mica Company, Spruce Pine, North Carolina, has submitted a sample of mica from the Clear Mine, in Yancey County, North Carolina, and asked that we write you as to whether or not this mica is of ruby variety, and would be acceptable on the present Government Mica Purchasing Program.

We are pleased to advise that this mica, with proper preparation, will be acceptable on this program.

Yours ~~very truly~~,

W. S. Flynt
Superintendent

FILE COPY
SURNAME:

Hearne
Houk

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

12-3-52

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 3 1952

December 2, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch
Carolina

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

No data are available in this office on subject property. It is located in a general area in which ruby mica is known to be the characteristic variety. On the basis of the applicant's description of present exposures, a field team investigation is recommended.

W. F. Dietrich

W. F. Dietrich

December 1, 1952

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

Subject: DMEA-2794
Re: Exploration Assistance
Clear Mine

My dear Mr. Thomas:

The receipt of your application dated November 25, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2794 and referred to the Nonmetallic Minerals Division.

Kindly refer to DMEA-2794 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Chief
Operation's Control and
Statistics Division

25451

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2794
Metal or Mineral
Date Received 11/28/52
Amount $
Participation (Government %)

Name and address of applicant

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

Date November 25, 1952

If you have already filed MF-100, give date filed no not necessary, type of assistance requested exploration,

DMA Docket Number (if available)

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Carolina-Clear Mica Co.
(Name of company)

By C B Collins
(Signature of authorized official)

November 25, 1952
(Date)

Washington Representative
(Title)

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

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

STATE OF NORTH CAROLINA

COUNTY OF Mitchell

POWER OF ATTORNEY

We, B. G. Thomas & Tarp Young the partners and the joint venturers in the partnership of Thomas & Young, do hereby appoint C. B. Collins our attorney and empower him to act in our stead before the Defense Minerals Exploration Administration, DMPA, and other Government agencies having jurisdiction over mining exploration and production incentives and empower him to prosecute our applications and to enter into contracts with said agencies binding us, with the same force and effect as if any one of us or all of us were to negotiate, sign, or enter into said contracts.

Done this _____ day of _____ in the County of _____, State of North Carolina.

B. G. Thomas (SEAL)

Tarp Young (SEAL)

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

State of North Carolina

County of Mitchell

I, Brauen McKinney, a Notary Public in and for the State of North Carolina do hereby certify that B. G. Thomas and Tarp Young did this 5th day of July, 1952 personally appear before me and execute the above set forth power of attorney.

Brauen McKinney
Notary Public

My Commission Expires: 3-7-54

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

1. (a) Legal description is set forth in lease attached.

(b) Leases. See lease attached.

(c) Exploration is to be conducted within an area described as follows:

All that plot and parcel of land inscribed by a circle 300 ft. in radius, with its center being located at the center of the abandoned opening to the Clear Mine. Said Clear Mine is located on the leased property 400 ft. from the George Fraznell property line and approximately 1,000 ft. from a private dirt road.

NOTE: The landlord, the Carolina Mineral Company, will not grant a subordination or sign mortgagee Consent to Lien covering this property. However, the partners, B. G. Thomas and Tony Young will grant unto the Government any and all security that may be acceptable from them to secure the interest of the Government.

2. (a) Strategic grade sheet mica acceptable under the Domestic Mica Purchase Program.

(b) This mine was last worked in 1880, and has not been worked since that time due to the temperament of the prior landlord before it was purchased by the Carolina Mineral Company. It is alleged that the richest sheet of mica ever mined in North Carolina was extracted from this mine prior to 1880 and that the sheet is now on exhibit in a museum in Raleigh, North Carolina. This mine was not worked during World War II, again, due to the landlord's not desiring lessees to extract high grade mineral ore. The landlord now desires that the good grade mica, believed to be found in this mine, be made available to the Domestic Stockpile Program. Due to the length of time which has elapsed since the mine was last worked, there are no geological sketches or maps or engineering reports that would bear any light toward prognosis of a high concentration of mica.

Therefore, it is sincerely believed by the applicants that this mine qualifies on all fours as being the type of project that should come within the exploration program.

3. (a) It is proposed to sink a shaft to a depth of 110 ft., noting the depths at which mica-bearing ore is traversed. Then it is proposed to evaluate the richness of the various contacts, and then to drive a drift 25 ft. in each direction of the vein from the shaft.

(b) Estimating that the rate of descent in the shaft will be 2 ft. per day, and that the rate of penetration of the drift will be 4 ft. per day, it is estimated that the project will be completed within 1½ weeks after the signing of the contract.

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

COST OF PROJECT

	1 week	13 weeks
LABOR		
2 muckers at $60 ea.	120	1560
1 hoist operator	75	975
1 timber man & blacksmith	75	975
		3,510
SUPERVISOR		
1 supervisor	75	975
EQUIPMENT		
Rental		
1 105 cu. ft. air compressor at $200 per mo.		650
1 double drum gas hoist at 200 per mo.		650
1 jackhammer at $50 per mo.		162.50
1 7½ hp gas water pump at $75 per mo.		243.75
1 pickup truck or station wagon at $100 per mo.		325.00
		2,031.25
Purchase		
150 ft. 2" black pipe at 60¢ pr. ft.		90
150 ft. 1" black pipe at 40¢ per ft.		60
50 ft. water hose		55
50 ft. air hose		45
Misc. hand tools		75
		325
SUPPLIES		
Dynamite & caps		300
Gasoline & oil	30	360
Timber 4M at 80 per M		320
Safety boots & helmets		75
Carbide & lamps		60
		1115
BUILDING		
Tool shed		400

TOTAL.....$8,356.25

4. It is believed that this mine has never been the subject of a geological study; consequently there are no maps of it to be found. It is proposed to sink the shaft so as to make a new means of access to this pegmatite, which by the surface ~~indications~~ lies north and south. Once mica-bearing ore is contacted, a 25 feet drift will be driven along the length of the dike in each direction from the timbered shaft.

Carolina- Clear Mica Co.
c/o Mr. B. S. Thomas
Spruce Pine, North Carolina

5. See answer to 3.

6. See answer to 3.

7. See answer to 3.

8. See answer to 3.

9. See answer to 3.

10. (a) 10% in cash

(b) Yes.

11. This mine is situated in an area abounding with pegmatites producing mica of strategic grade. The fact that it has not been worked in 70 years indicates that the mine has not been worked out, and that there is a good probability of large quantities of ore being in place. There is a branch within 1300 feet of the mine so that if any water is necessary it could be obtained from it.

The applicants, B. S. Thomas and Tary Young, are well known as leaders of the community, and have a good reputation for their ability to mine mica profitably.

NORTH CAROLINA
YANCEY COUNTY

THIS LEASE, made this 13th day of May, 1952 by and between CAROLINA MINERAL COMPANY, a corporation organized and existing by virtue of the laws of the State of Virginia, having its principal office at Kona, N.C., hereinafter called Lessor, and B. G. THOMAS and TARP YOUNG of Spruce Pine, N.C., hereinafter called Lessee.

WITNESSETH: That for an in consideration of the sum of one dollar ($1.00) and other considerations to be paid by the Lessee to the Lessor and in consideration of the royalties and the mutual covenants and agreements hereinafter set forth, the Lessor hereby grants, lets, leases and demises unto the said Lessee all of the Feldspar, Mica, Quartz and such other minerals as Lessee may desire in, upon, or under ten acres surrounding and including the Clear Mine on the following tract of land, situated in Crabtree Township, County of Yancey, State of North Carolina, knows as AMOS FRESNELL tract and more particularly described as follows:

> BEGINNING on a Buckeye stump at the mouth of a small branch on South Toe River S. 22 E. and old line 210 ft. to a stake at an old ash corner now down; thence S. 80½ E. with the old Young line 399 f. to a White Oak on top of a ridge, S. 42 W. 1091 f. to a Hickory on top of said ridge N. 64 W. 535 f. to a stake Maple pointers; S. 42 W. 405 f. to a Hickory; S. 88½ W. 464 f. to a stake at the branch an old Maple corner now gone, with meanders of said branch to a Water Oak on bank of said branch; then a N.E. course to a Chestnut on top of a ridge, same course to a Pine on the bank of South Toe River; then with meanders of said river down with said river to the BEGINNING, containing 44 acres more or less.
>
> Together with right of way over about 200 feet of land to the branch for a water line as conveyed to George Young and wife, Laura Young by J. W. Young and wife, Dora Young, January 14, 1939, deed recorded in Deed Book 83, Page 155, records of Deeds of Yancey County, N. C.

1 - Lessee shall have exclusive right to quarry, blast, dig, mine and remove from said land all Feldspar, Mica Quartz, and such other minerals as Lessee may desire upon the terms and conditions more fully hereinafter set forth, and during such operations, said Lessee agrees at all times to keep the mine in a workmanship condition and free from waste, and upon abandoning the mine, Lessee agrees to leave all tunnels and entries to the mine in a good aNd workable condition.

2 - The period or term for which said property is leased is three years from

and after the date of the proper execution and acknowledgment of this lease, at which time this lease shall terminate unless the Lessor and Lessee mutually agree in writing to extend the same.

3 - The royalties to be paid by the Lessee to Lessor hereunder shall be as follows:

A - For all Mica mined, removed, sold or shipped - one-eighth (1/8) of the sale price at the mine at the time of such sale or shipment.

B - For all Feldspar mined, removed and sold or shipped - Fifty cents (50¢) per gross ton of 2240 pounds.

C - For all Quartz mined, removed, sold or shipped - Ten cents (10¢) per gross ton of 2240 pounds.

D - For all other minerals removed, sold or shipped - one-eighth (1/8) of the sale price at the mine at the time of such sale or shipment. All royalties are due and payable on the twentieth day of the month next succeeding the month in which shipments are made. Lessor shall have the right at all reasonable times to inspect the books of the Lessee to see that proper royalty settlements are made. All mica produced from said leased premises is to be kept separate from other mica produced elsewhere until sale is made and royalty paid to Lessor and Lessor is to be furnished a statement of all mica sales promptly.

4 - Lessee shall have all the necessary rights of ingress, egress, and regress over the lands of Lessor for the purpose of conducting said mining and shipping operations and such other operations as pertain to the same and over all mineral lands demised by this lease.

5 - During the continuance of this lease, Lessor is to have the exclusive right to purchase all feldspar mined on this property. In the event the Lessor is unable to receive the feldspar, it is to be stockpiled on the property until such time as the Lessor can purchase same. All feldspar produced at the mine is to be purchased at the market price being paid by Lessor to North Carolina producers for similar feldspar.

6 - It is further understood that this lease cannot be assigned except by the written consent of the Lessor.

7 - During the continuance of this lease, said Lessee shall have the right to erect, place, replace and maintain any buildings, roadways, tramways,

7 - (cont.) inclines, bridges and machinery of all descriptions, chutes, pipe lines, ditches, tie lines and other such proper methods as are used in mining and the Lessee shall have the right to remove any and/or all of the same from the property at the Lessee's own discretion.

8 - Lessee shall have the right to dump and dispose of all waste and refuse made, arising and resulting from said mining operations upon the land of the Lessor covered by this lease. It is understood and agreed that if at any time during the continuance of this lease in the judgment of the Lessee, mining operations shall become unprofitable, said Lessee shall have the right to terminate this lease by giving to the Lessor notice in writing of such intention to terminate and the Lessee shall have one month from and after such notice within which to remove all of its machinery and equipment, with the exception of mine timbering or other supports necessary to the safe operation of the mine. It is further understood and agreed that upon the failure of the Lessee to comply with the terms of this lease, the Lessor may at its option declare this lease null and void and terminate the same by giving the Lessee one month's notice in writing; and Lessee shall have a period of one month after receipt of such notice within which either to immediately correct such noncompliance or to cease operations altogether; and should this lease be so terminated, all machinery, tools, buildings, bridges, inclines, tramways, cableways, pipe lines, tie lines, fixtures, and all other improvements and property placed upon said premises by said Lessee, shall be and remain the property of the said Lessee and the said Lessee shall have one month within which to remove any and/or all of said property, provided that all royalties have been paid up to date and all other terms of this lease have been complied with.

9 - Lessee agrees that at all times during the continuance of this lease and any renewals thereof that said Lessee will carry sufficient compensation and liability insurance to protect its operations and said Lessee agrees to save said Lessor harmless from any injury to persons or property resulting from said Lessee's operations.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals the day and year first above written.

ATTEST:

/s/ Paul W. Ellis
Secretary

CAROLINA MINERAL COMPANY, INC.

By/s/ R. W. Lawson--president

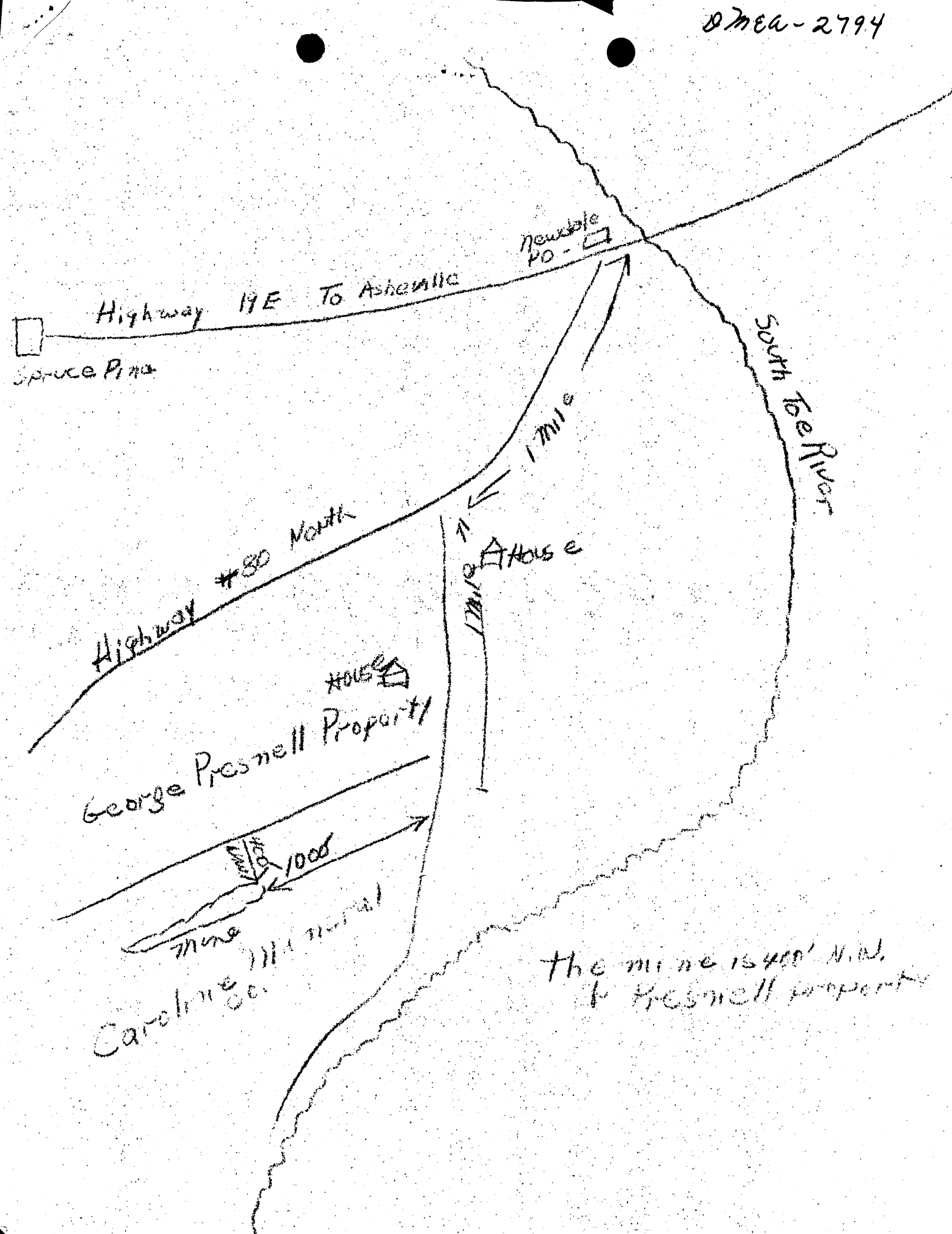
ATTEST:

/s/ Faye W. Boone

B. G. THOMAS

/s/ B. G. Thomas

DMEA-2794


Newsbole PO
Highway 19E To Asheville
Spruce Pine
South Toe River
1 mile
Highway #80 North
House
1 mile
House
George Presnell Property
1000
mine
Caroline Hill mineral
the mine is not N.A. to Presnell property

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 28 1952

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

Not To Be Filled in by Applicant

Docket No. DMEA-2794
Metal or Mineral
Date Received 11/28/52
Amount $
Participation (Government %)

Name and address of applicant

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

Date November 25, 1952

If you have already filed MF-100, give date filed no not necessary, type of assistance requested exploration,

DMA Docket Number (if available)

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

Carolina-Clear Mica Co,
(Name of company)

By C B Collins
(Signature of authorized official)

November 25, 1952
(Date)

Washington Representative
(Title)

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

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

MF 103

Defense Minerals Exploration Administration

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

1. (a) Legal description is set forth in lease attached.

   (b) Lessee. See lease attached.

   (c) Exploration is to be conducted within an area described as follows:

   All that plot and parcel of land inscribed by a circle 300 ft. in radius, with its center being located at the center of the abandoned opening to the Clear Mine. Said Clear Mine is located on the leased property 400 ft. from the George Presnell property line and approximately 1,000 ft. from a private dirt road.

   NOTE: The landlord, the Carolina Mineral Company, will not grant a subordination or sign and Owners Consent to Lien covering this property. However, the partners, B. G. Thomas and Tarp Young will grant unto the Government any and all security that may be acceptable from them to secure the interest of the Government.

2. (a) Strategic grade sheet mica acceptable under the Domestic Mica Purchase Program.

   (b) This mine was last worked in 1880, and has not been worked since that time due to the temperament of the prior landlord before it was purchased by the Carolina Mineral Company. It is alleged that the richest sheet of mica ever mined in North Carolina was extracted from this mine prior to 1880 and that the sheet is now on exhibit in a museum in Raleigh, North Carolina. This mine was not worked during World War II, again, due to the landlord's not desiring lessees to extract high grade mineral ore. The landlord now desires that the good grade mica, believed to be found in this mine, be made available to the Domestic Stockpile Program. Due to the length of time which has elapsed since the mine was last worked, there are no geological sketches or maps or engineering reports that would bear any light toward prognosis of a high concentration of mica.

   Therefore, it is sincerely believed by the applicants that this mine qualifies on all fours as being the type of project that should come within the exploration program.

3. (a) It is proposed to sink a shaft to a depth of 110 ft., noting the depths at which mica-bearing ore is traversed. Then it is proposed to evaluate the richness of the various contacts, and then to drive a drift 25 ft. in each direction of the vein from the shaft.

   (b) Estimating that the rate of descent in the shaft will be 2 ft. per day, and that the rate of penetration of the drift will be 4 ft. per day, it is estimated that the project will be completed within 13 weeks after the signing of the contract.

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

COST OF PROJECT

	1 week	13 weeks
LABOR		
2 muckers at $60 ea.	120	1560
1 hoist operator	75	975
1 timber man & blacksmith	75	975
		3,510
SUPERVISOR		
1 supervisor	75	975
EQUIPMENT		
Rental		
1 105 cu. ft. air compressor at $200 per mo.		650
1 double drum gas hoist at 200 per mo.		650
1 jackhamer at $50 per mo.		162.50
1 7½ hp gas water pump at $75 per mo.		243.75
1 pickup truck or station wagon at $100 per mo.		325.00
		2,031.25
Purchase		
150 ft. 2" black pipe at 60¢ pr. ft.		90
150 ft. 1" black pipe at 40¢ per ft.		60
50 ft. water hose		55
50 ft. air hose		45
Misc. hand tools		75
		325
SUPPLIES		
Dynamite & caps		300
Gasoline & oil	30	360
Timber 4M at 80 per M		320
Safety boots & helmets		75
Carbide & lamps		60
		1115
BUILDING		
Tool shed		400

TOTAL.....$8,356.25

4. It is believed that this mine has never been the subject of a geological study; consequently there are no maps of it to be found. It is proposed to sink the shaft so as to make a new means of access to this pegmatite, which by the surface indications lies north and south. Once mica-bearing ore is contacted, a 25 foot drift will be driven along the length of the dike in each direction from the timbered shaft.

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

5. See answer to 3.

6. See answer to 3.

7. See answer to 3.

8. See answer to 3.

9. See answer to 3.

10. (a) 10% in cash

(b) Yes.

11. This mine is situated in an area abounding with pegmatites producing mica of strategic grade. The fact that it has not been worked in 70 years indicates that the mine has not been worked out, and that there is a good probability of large quantities of ore being in place. There is a branch within 1300 feet of the mine so that if any water is necessary it could be obtained from it.

The applicants, B. G. Thomas and Tarp Young, are well known as leaders of the community, and have a good reputation for their ability to mine mica profitably.

STATE OF NORTH CAROLINA

COUNTY OF Mitchell

POWER OF ATTORNEY

We, B. G. Thomas & Tarp Young the partners and the joint venturers in the partnership of Thomas & Young, do hereby appoint C. B. Collins our attorney and empower him to act in our stead before the Defense Minerals Exploration Administration, DMPA, and other Government agencies having jurisdiction over mining exploration and production incentives and empower him to prosecute our applications and to enter into contracts with said agencies binding us, with the same force and effect as if any one of us or all of us were to negotiate, sign, or enter into said contracts.

Done this _____ day of _____ in the County of _____, State of North Carolina.

B. G. Thomas (SEAL)

Tarp Young (SEAL)

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

State of North Carolina

County of Mitchell

I, Brown McRinney, a Notary Public in and for the State of North Carolina do hereby certify that B. G. Thomas and Tarp Young did this 5th day of July, 1952 personally appear before me and execute the above set forth power of attorney.

Brown McRinney
Notary Public

My Commission Expires: 3-7-54

NORTH CAROLINA
YANCEY COUNTY

THIS LEASE, made this 13th day of May, 1952 by and between CAROLINA MINERAL COMPANY, a corporation organized and existing by virtue of the laws of the State of Virginia, having its principal office at Kona, N.C., hereinafter called Lessor, and B. G. THOMAS and TARP YOUNG of Spruce Pine, N.C., hereinafter called Lessee.

WITNESSETH: That for an in consideration of the sum of one dollar ($1.00) and other considerations to be paid by the Lessee to the Lessor and in consideration of the royalties and the mutual covenants and agreements hereinafter set forth, the Lessor hereby grants, lets, leases and demises unto the said Lessee all of the Feldspar, Mica, Quartz and such other minerals as Lessee may desire in, upon, or under ten acres surrounding and including the Clear Mine on the following tract of land, situated in Crabtree Township, County of Yancey, State of North Carolina, knows as AMOS PRESNELL tract and more particularly described as follows:

> BEGINNING on a Buckeye stump at the mouth of a small branch on South Toe River S. 22 E. and old line 210 ft. to a stake at an old ash corner now down; thence S. 80½ E. with the old Young line 399 f. to a White Oak on top of a ridge, S. 42 W. 1091 f. to a Hickory on top of said ridge N. 64 W. 535 f. to a stake Maple pointers; S. 42 W. 405 f. to a Hickory; S. 88½ W. 464 f. to a stake at the branch an old Maple corner now gone, with meanders of said branch to a Water Oak on bank of said branch; then a N.E. course to a Chestnut on top of a ridge, same course to a Pine on the bank of South Toe River; then with meanders of said river down with said river to the BEGINNING, containing 44 acres more or less.
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> Together with right of way over about 200 feet of land to the branch for a water line as conveyed to George Young and wife, Laura Young by J. W. Young and wife, Dora Young, January 14, 1939, deed recorded in Deed Book 83, Page 155, records of Deeds of Yancey County, N. C.

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and after the date of the proper execution and acknowledgment of this lease, at which time this lease shall terminate unless the Lessor and Lessee mutually agree in writing to extend the same.

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C - For all Quartz mined, removed, sold or shipped - Ten cents (10¢) per gross ton of 2240 pounds.

D - For all other minerals removed, sold or shipped - one-eighth (1/8) of the sale price at the mine at the time of such sale or shipment.

All royalties are due and payable on the twentieth day of the month next succeeding the month in which shipments are made. Lessor shall have the right at all reasonable times to inspect the books of the Lessee to see that proper royalty settlements are made. All mica produced from said leased premises is to be kept separate from other mica produced elsewhere until sale is made and royalty paid to Lessor and Lessor is to be furnished a statement of all mica sales promptly.

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IN WITNESS WHEREOF, the parties hereto have set their hands and seals the day and year first above written.

ATTEST:

/s/ Paul W. Ellis
Secretary

CAROLINA MINERAL COMPANY, INC.

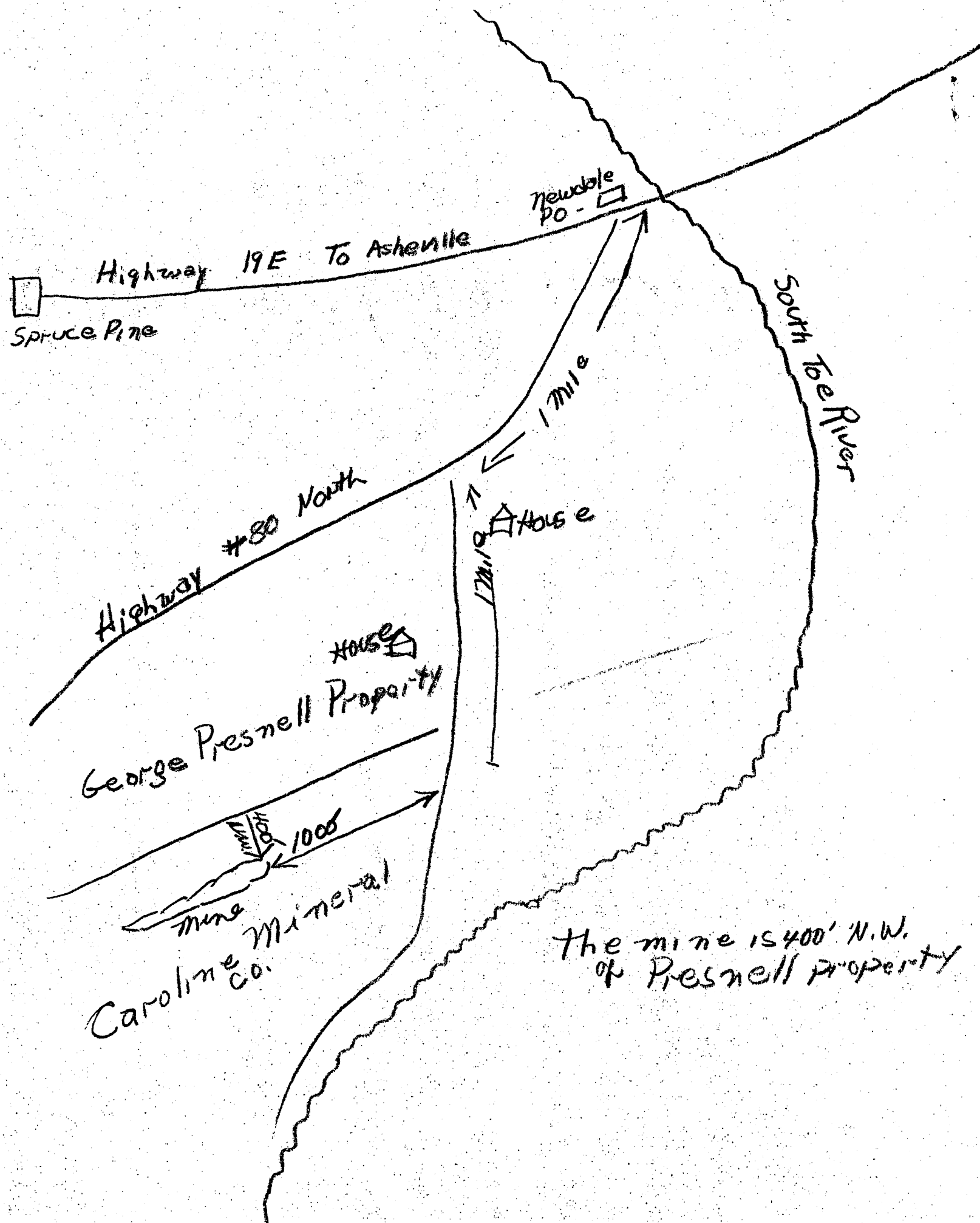
By/s/ R. W. Lawson--president

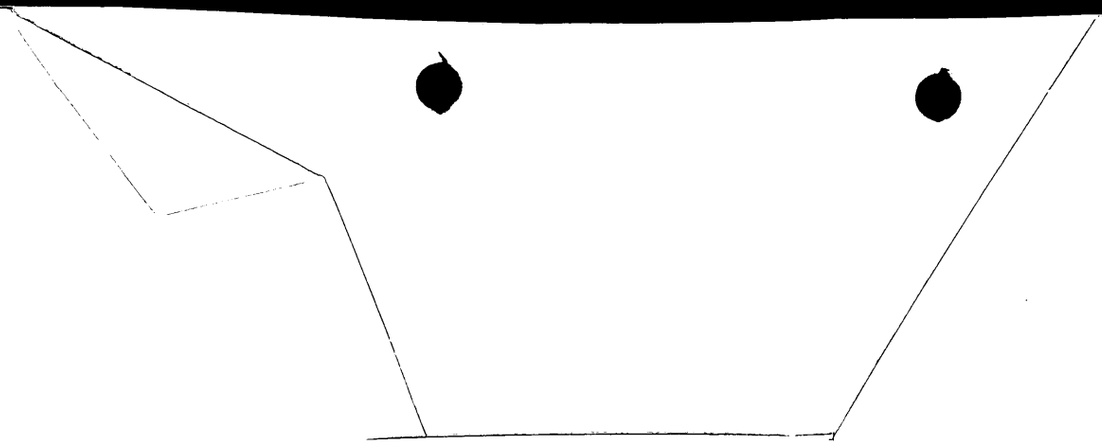
ATTEST:

/s/ Faye W. Boone

B. G. THOMAS

/s/ B. G. Thomas


Newdale PO
Highway 19E To Asheville
Spruce Pine
South Toe River
1 mile
Highway #80 North
House
House
George Presnell Property
400
1000
mine
Caroline Mineral Co.
the mine is 400' N.W. of Presnell property

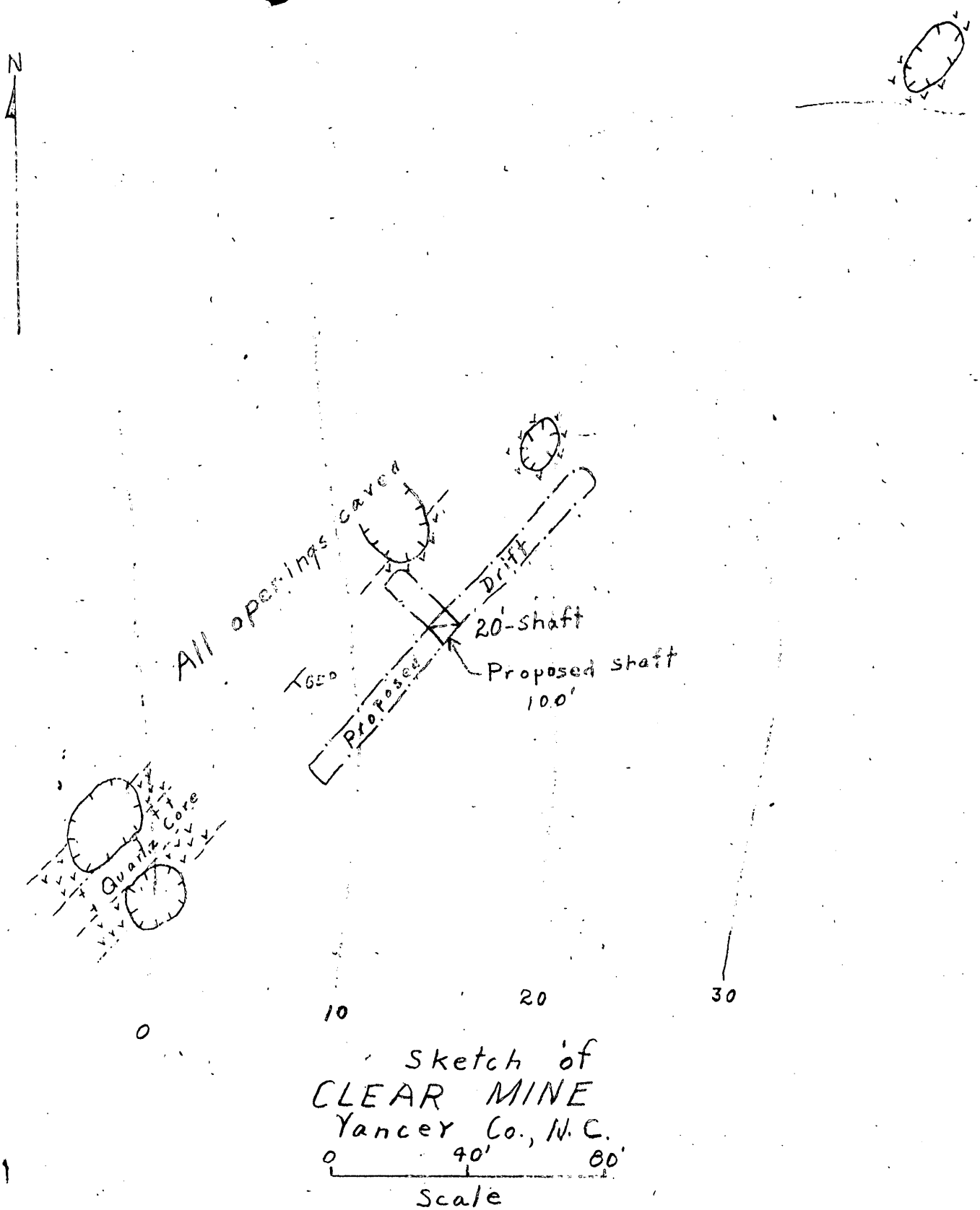


2794

12/1/52

® COLUMBIAN NATURAL CLASP NO. 93N

THE UNITED STATES ENVELOPE CO. SPRINGFIELD, MASS.
9 x 12½



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

0 40' 80'
Scale

DMEA-2794 (Mica)

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Mrs. Dreifuss Rm 4649	RUN STOP	Mr. Charles Ulbrecht Ofc. 5110	RUN STOP
Mrs. M. O'Connell Room 5340	RUN STOP	Mr. Wm. Dougherty Div. of Information	RUN STOP
Personnel Office Rm 7351 Bureau Reclamation	RUN STOP	Mr Nelson DSFA Rm 5215	RUN STOP
Code 320	RUN STOP	DMEA 2794	RUN STOP
Mr Liddy Code 831	RUN STOP		RUN STOP
Mr Adams Code 510	RUN STOP		RUN STOP
Mr Brunner Code 812	RUN STOP		RUN STOP
RBO	RUN STOP		RUN STOP
STV	RUN STOP		RUN STOP
Stores & Shipping Rm 1663A Attn Mr Cary	RUN STOP		RUN STOP

Send surplus envelopes to supply room for reissue.

Use other side

20—38049-2

Use RUN and STOP only when messenger service between Government buildings in Washington is required.
Your mail room has RUN and STOP information.

NAME OR TITLE ... ESS, AND ROOM

	RUN
	STOP
RUN	RUN
STOP	STOP
RUN	RUN
STOP	STOP
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STOP	STOP
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STOP	STOP
RUN	RUN
STOP	STOP
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STOP	STOP
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STOP	STOP
RUN	RUN
STOP	STOP

Use o... side first

★ U. S. GOVERNMENT PRINTING OFFICE: 1946 16—38049-2