UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

AMENDMENT NO.1

Contract Idm-2407, Docket No. DMEA-2533, dated 26th day of September 1952, between the UNITED STATES OF AMERICA and FRED WILSON and JOHN VANDERRY, is hereby amended as follows:

Article 3 is amended to provide that the Operator is to complete the project within a period of eight (8) months from the date of the contract, instead of four (4) months, as provided in the original contract.

This amendment is necessary because of delays due to adverse weather conditions and difficulty of access resulting from highway construction.

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

Dated: January 20, 1953

THE UNITED STATES OF AMERICA

By Robert A. Laurence
Robert A. Laurence, Executive Officer
Dmea Field Team, Region 7

Fred Wilson
FRED WILSON (Partner)

John VanDerry
John VANDERRY (Partner)

Approved 1/27/53
Hoffman

MF-200(A)
(February 1952)

DEPT. OF THE INTERIOR
Defense Minerals Administration

OCT 6 1952

DOCKET No. DMEA 2533

COMMODITY Mica

Docket Copy
Idm-E 407

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 26th day of September, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Fred Wilson and John Vanderry, partners
Franklin, North Carolina

hereinafter called the "Operator," as follows:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Macon and Jackson, described[3] in Annex I attached hereto and made a part hereof.

the Operator represents and undertakes:[4]

(*a*) [redacted]

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

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

ARTICLE 3. *Exploration project.*—The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for[5] Mica

in or upon the described land; and shall bring the project to completion within a period of 4 months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 90 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $3,600.00, which is 90 percent of $4,000.00 the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

(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 Fred Wilson (Partner)

By John Van Wey (Partner)

By Frank E. Johnson

ACTING Administrator, Defense Minerals Exploration Administration

per Hoffling Hogl Chandler

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

_____ [CORPORATE SEAL]

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

EXPLORATION PROJECT CONTRACT
FRED WILSON AND JOHN VANWERRX
DOCKET NO. DMEA-2533

ANNEX I

Description of the Land

"Beginning at a beech 173 poles from the North west corner of 123 the begining corner of State Grant #_____ to William Young assignee of Walter Sorrells dated December 30 1840; runs thence North 41 degrees west 82 poles to a small black oak now down a iron pipe now replaces same on the North west side of the Rocky-face Mt., thence North 70 degrees East 102 poles to a locust, thence South 41 degrees East 44 poles to a red oak, thence in a South direction to a willow tree on the North side of the Franklin, Dillsboro, Highway and across the new highway to the old road and with the meanders of the old road in a western direction to the beginning."

Except that part of the above tract known as the Rocky Face Mine described as follows:

Beginning at the iron pipe on the Northeast side of the Rocky Face Mine, being the same iron pipe mentioned above, and running thence North 70 degrees East 25 poles to a stake, thence South to the Highway or the beginning corner of the Browning tract as above described, thence North 41 degrees West 82 poles to the iron pipe from which this excepted tract begins.

This property is known as the "Big 'A' Mica Mine" and the "'A' Mine", and is that property described in the lease between Bell Odell, Austin Newton Browning and James Robert Browning as lessors, and Fred Wilson as lessee, dated January 28, 1952, recorded in Book of Deeds #A-6, page 394, in the Office of the Registrar of Deeds at Franklin, Macon County, North Carolina.

EXPLORATION PROJECT CONTRACT
FRED WILSON AND JOHN VANWERRY
DOCKET NO. DMEA-2533

EXHIBIT "A"

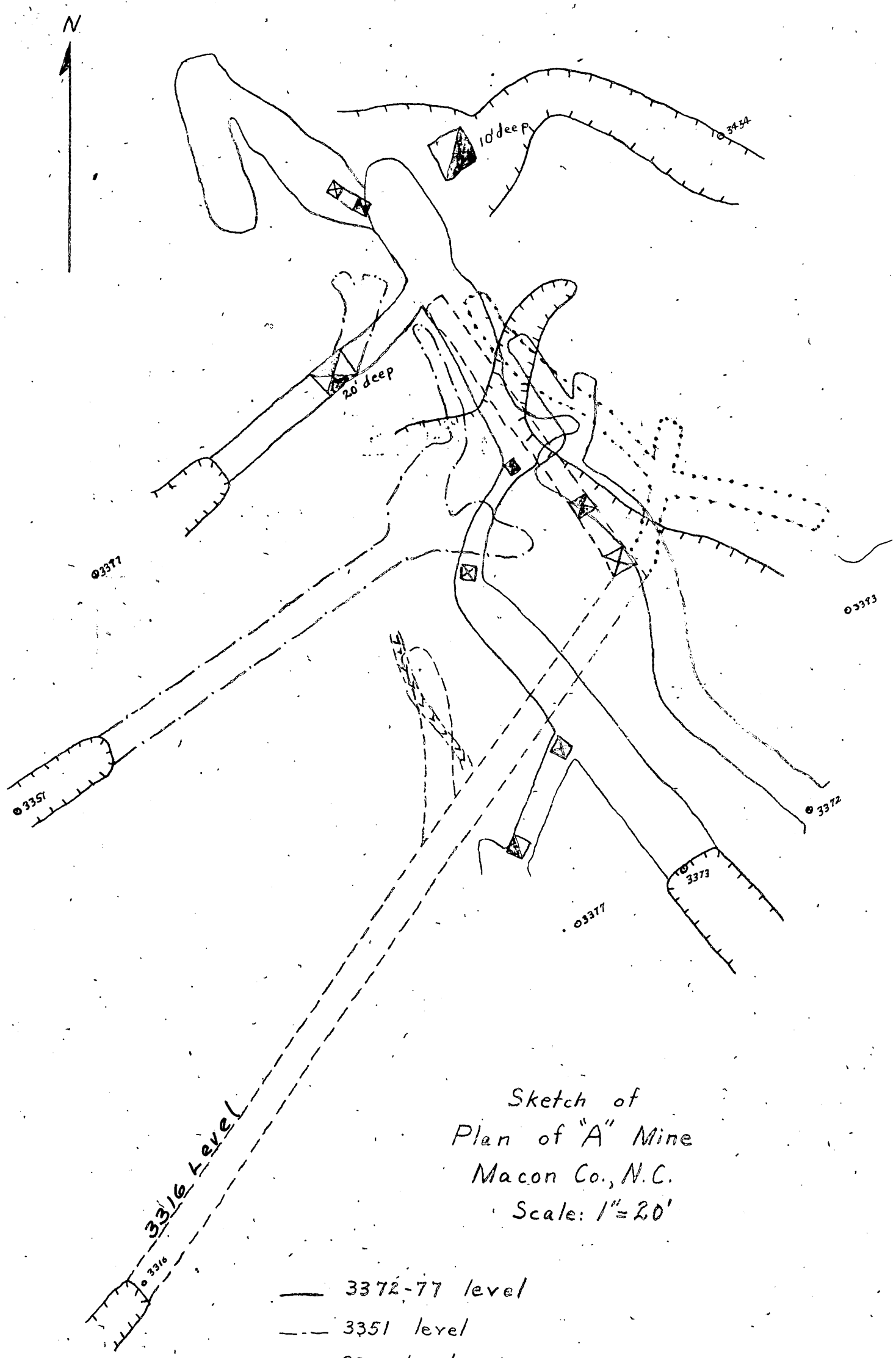
Description of the Work

Rehabilitate the 3316 Level indicated on the map entitled "DMEA-2533 Sketch of Plan of "A" Mine Mason Co., N.C." attached hereto and made a part hereof.

Drive 100 feet of crosscut and drift approximately as shown on the above-mentioned map. The exact location, direction, and length of the level work is to be specified by the Government.

Estimated Costs of the Project

Rehabilitation of the 3316 Level	$ 500.00	
Driving crosscut and drift 100 feet at $35.00 per foot	3,500.00	
Total Cost of the Project		$4,000.00
Government Participation @ 90%		$3,600.00



Sketch of
Plan of "A" Mine
Macon Co., N.C.
Scale: 1" = 20'

—— 3372-77 level

—·— 3351 level

- - - - 3316 level

..... Proposed work from 3316 level

DMEA-2533

MF-2-3

OWNER'S CONSENT TO LIEN

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

In a lease dated Jan., 28th 1952, recorded in Book # A-6 page 394, Franklin, Macon County, N. C.,

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/ Fred Wilson, Franklin, N. C., And John Van-Werry 1800 N. Jefferson St., Arington, Va.,

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/$ 3,600.00, or ten years have elapsed from the date of the contract.

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

Dated this 25 day of 1952, 195 ___.

_____ [Seal]

x Austin Newton Browning [Seal]
Austin Newton Browning,

_____ [Seal]

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

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

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

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

M[illegible] 20[illegible] (A)
(February 1952)

DOCKET No. DMEA 2[illegible]

COMMODITY Mica

Extra Copy
Idm-E 407

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

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 26th day of September, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Fred Wilson and John Van Arry, partners
Franklin, North Carolina

hereinafter called the "Operator," as follows:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Macon and Jackson, described [illegible] in Annex 1 attached hereto and made a part hereof,

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 only to the following liens, encumbrances, and encumbrances as set forth in the Owner's Consent to Lien attached:~~

(*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 30 days from the date of this contract shall commence work on a project of exploration for[5] Mica

in or upon the described land; and shall bring the project to completion within a period of 4 months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 90 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $2,000.00, which is 90 percent of $2,000.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By _____ (Partner)

By _____

By _____ (Partner)

Administrator, Defense Minerals Exploration Administration

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

_____ [CORPORATE SEAL]

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

EXPLORATION PROJECT CONTRACT
FRED WILSON AND JOHN VANDERBRY
DOCKET NO. DMEA-2533

ANNEX I

Description of the Land

"Beginning at a beech 173 poles from the North west corner of 123 the begining corner of State Grant #_____ to William Young assignee of Walter Serrells dated December 30 1840; runs thence North 41 degrees west 82 poles to a small black oak new down a iron pipe now replaces same on the North west side of the Rocky-face Mt., thence North 70 degrees East 102 poles to a locust, thence South 41 degrees East 44 poles to a red oak, thence in a South direction to a willow tree on the North side of the Franklin, Dillsboro, Highway and across the new highway to the old road and with the meanders of the old road in a western direction to the beginning."

Except that part of the above tract known as the Rocky Face Mine described as follows:

Beginning at the iron pipe on the Northwest side of the Rocky Face Mine, being the same iron pipe mentioned above, and running thence North 70 degrees East 25 poles to a stake, thence South to the Highway or the beginning corner of the Browning tract as above described, thence North 41 degrees West 82 poles to the iron pipe from which this excepted tract begins.

This property is known as the "Mg 'A' Mica Mine" and the "'A' Mine", and is that property described in the lease between Bell Ciall, Austin Newton Browning and James Robert Browning as lessors, and Fred Wilson as lessee, dated January 28, 1952, recorded in Book of Deeds #A-6, page 394, in the Office of the Registrar of Deeds at Franklin, Macon County, North Carolina.

EXPLORATION PROJECT CONTRACT
FRED WILSON AND JOHN VANDERRY
DOCKET NO. DMSA-2533

EXHIBIT "A"

Description of the Work

Rehabilitate the 3316 Level indicated on the map entitled "DMSA-2533 Sketch of Plan of "A" Mine Macon Co., N.C." attached hereto and made a part hereof.

Drive 100 feet of crosscut and drift approximately as shown on the above-mentioned map. The exact location, direction, and length of the level work is to be specified by the Government.

Estimated Costs of the Project

Rehabilitation of the 3316 Level	$ 500.00	
Driving crosscut and drift 100 feet at $35.00 per foot	3,500.00	
Total Cost of the Project		$4,000.00
Government Participation @ 90%		$3,600.00

DOCKET NO. EMCA - 2533

Sample of mica tested at Spruce Pine, CSA, 7/18/52 found to be ruby mica.

Mr. Hoffman and Lawyers:

Please note the pencilled record of a conference enclosed in the docket per Mr. Feitler's request. Says it will save a lot of work and bother. Have designated place with "Surname" blue card.

Betty

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2533

DO NOT DETACH THIS SLIP

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EXPLORATION PROJECT

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Routing Slip

Copies to USBM, USGS, and Region VII.

To:	Code 600, Rm. 4637	Date	5-19-52
To:	Op Com	Date	6-16-52
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CONTROLLED DOCUMENT

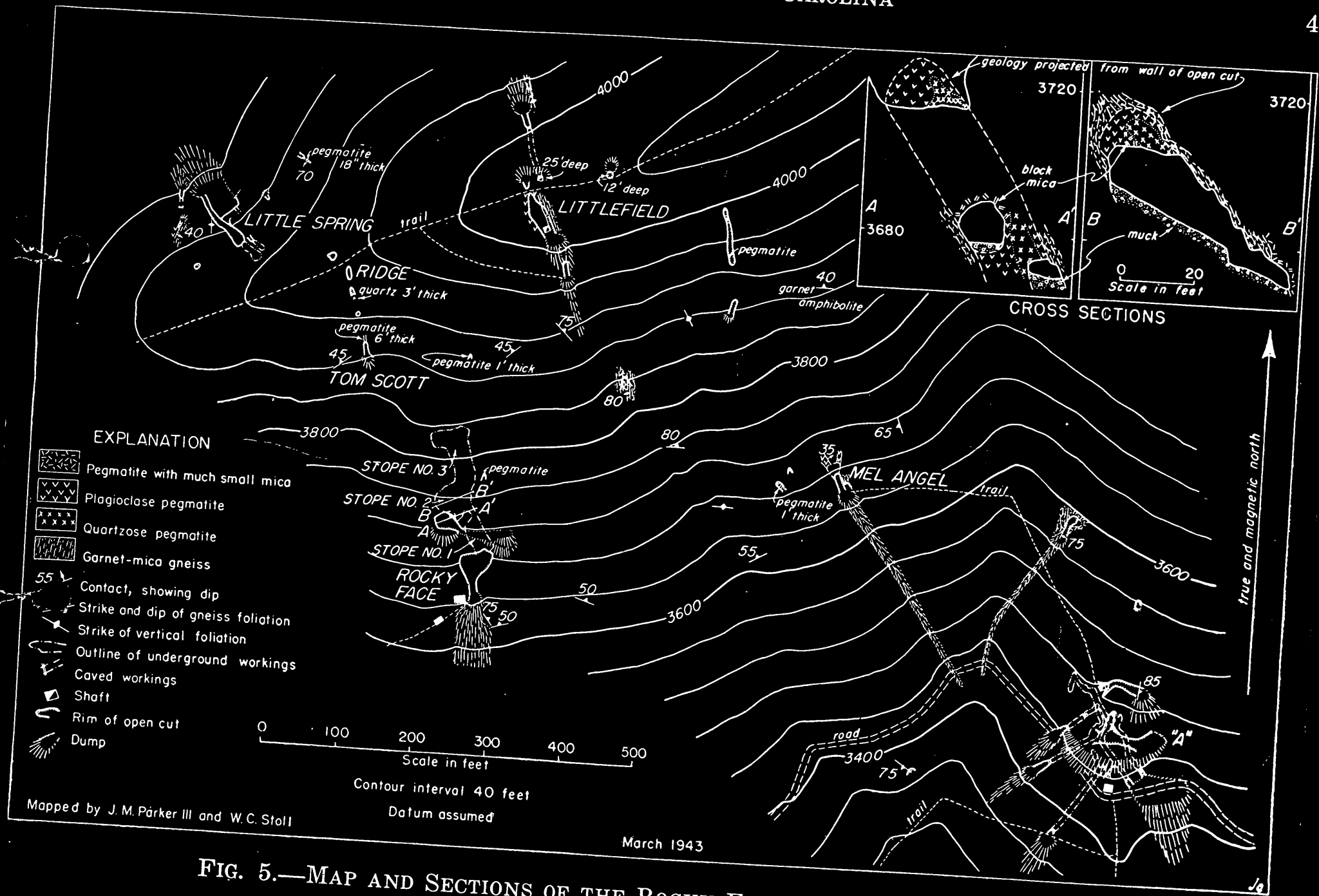

FIG. 5.—MAP AND SECTIONS OF THE ROCKY FACE MINE, MACON COUNTY.

FILE COPY
SURNAME:

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

Rewritten:

Houk

MAR 24 1954

Mr. Fred Wilson
P. O. Box 8184
Asheville, North Carolina

Re: Docket No. DMEA-2533 - Mica
"A" Mica Mine
Macon and Jackson Counties
North Carolina
Contract Idm-E407

Dear Mr. Wilson:

Reference is made to Docket No. DMEA-2533, Contract Idm-E407, in which you participated with John Van Werry on the exploration of the "A" Mica Mine.

We have been informed that there are several bills for equipment rental and certain supplies used in connection with the contract which have not yet been paid.

As you are interested in another application for exploration aid (Docket No. DMEA-3265, Mines and Mining, Inc.), we desire to know the status of your accounts under the subject exploration project.

We should appreciate hearing from you on this matter.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

LGHouk:HCR:ep 3-23-54

Copy to: Docket
Admr. Reading File
Field Team, Region VII (2)
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk
Mr. Hofflund
Mr. Rubin
Chron.
Pending

R.C.B. 3-24-54

FILE COPY
SURNAME:

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

Rewritten:

Houk
Rubin
Hofflund
Wintenberg

MAR 24 1954

Mr. Fred Wilson
P. O. Box 8184
Asheville, North Carolina

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"A" Mica Mine
Macon and Jackson Counties
North Carolina
Contract Idm-E407

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Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

LGHouk:HCR:ep 3-23-54

Reply in DMEA 3265

Copy to: Docket
Admr. Reading File
Field Team, Region VII (2)
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk
Mr. Hofflund
Mr. Rubin
Chron.
Pending

R.G.B. 3-24-54

OPERATORS
FINAL REPORT ON
TUNNEL WORK

DMEA-2533 Idm-E407

After appx., 10 ft., of tunnel we run up against a foot wall on the right dipping west 60 degrees, following this wall north a few degrees a stringer of vein set in from 1 ft., wide to the width of the tunnell, at appx., 40 ft, this stringer struck the vein, dipping south from above, under the surface of the big A mine, old works overhead, as a water seam with aflow of water coming down from above, the vein could be seen to continue up, and to the surface, an estimated distance of 85 ft., this water seam continued on down into the floor of the tunnel, this vein crossing the tunnell in a east and west direction, the right hand side of the tunnel turning slightly to the north East, as that side of the Mt., grades up on a gradual slope for several hundred ft., north and north east, 800 ft north east, the Little Rock Mica Mine contact this North east vein by dipping into the Mt., north west, on the west side of the tunnel the vein gradually turned North west, the vein formation was blue spar, and between this first water seam for a distance of appx., 8 ft., this was a solid blue spar vein the mica began to set in and got larger and better, at the 8 ft another water seam or crevice of 1 foot thick, dipping south in the same direction on each side of the tunnel, this other vein formation being harder more quartzs and more Mica, the books of mica 50 % or more A, cutting the tunnel, these two pay streams of 16 ft., we got 1200 lbs of mica only 6 lbs of sheet flat clear ruby mica good quality, shooting hard in the tunnel cause of no more sheet, after passing through this 16 ft., of pay vein, we continued across the vein to the top walling, passing over the top of the vein and granite capping, for another distance of appx., 16 ft., then at 75 ft distance we turned north west for 25ft., striking and cutting part through the top walling of the Big A mica vein that heads into the Mt., North west and grades up or climbs the mt., North West, 2 ft of a 6ft test hole showed mica vein, a layer of granite full of mica, Mica schist, was showing, I want to continue here for another 15 feet, which should strike the top of the vein that runs into the Mt., North west, the record shows that over 800 tons o mica was mined in the top level of the A mine, their was 2 books of mica found that weighed over 1200 lbs each. Ken Cochran found one and I the other, I should work each way in this center core of quartzs.

Fred Wilson

OPERATIONS
FINAL REPORT ON
TUNNEL WORK

OMEA-2533 Idm E407

After appx., 10 ft., of tunnel we run up against a foot wall on the right dipping west 60 degrees, following this wall north a few degrees a stringer of vein set in from 1 ft., wide to the width of the tunnell, at appx., 60 ft, this stringer struck the vein, dipping south from above, under the surface of the Big A mine, old workings overhead, as a water seam with a flow of water coming down from above, the vein could be seen to continue up, and to the surface, an estimated distance of 65 ft., this water seam continued on down into the floor of the tunnel, this vein crossing the tunnell in a east and west direction, the right hand side of the tunnel turning slightly to the north East, so that side of the Mt., graded up on a gradual slope for several hundred ft., north and north east, 600 ft north east, the Little Rock Mica Mine contact this North east vein by dipping into the Mt., north west, on the west side of the tunnel the vein gradually turned North west, the vein formation was blue spar, and between this first water seam for a distance of appx., 8 ft., this was a solid blue spar vein the mica began to set in and got larger and better, at the 8 ft another water seam or crevice of 1 foot thick, dipping south in the same direction on each side of the tunnel, this other vein formation being harder more quartzo and more Mica, the books of mica 50 # or more A, cutting the tunnel, these two pay strains of 16 ft., we got 1500 lbs of mica only 6 lbs o. sheet flat clear ruby mica good quality, shooting hard in the tunnel cause of no more sheet, after passing through this 16 ft., of pay vein, we continued across the vein to the top walling, passing over the top of the vein and granite capping, for another distance of appx., 10 ft., then at 75 ft distance we turned north west for 8ft., stoping and cutting part through the top walling of the Big A mica vein that heads into the Mt., North west and grades up or climbs the mt., North West, 8 ft of a 6ft test hole showed mica vein, a layer of granite full of mica, Mica schist, was showing, I want to continue here for another 25 foot, which should strike the top of the vein that runs into the Mt., North west, the record shows that over 300 tons o. mica was mined in the top level of the A mine, their was a books of mica found that weighed over 1000 lbs each. Ken Cochran found one and I the other, I should work each way in this center core of quartzo.

Fred Wilson

OMEGA
WING REPORT OF
SUPER. MINE

OMEA-2533 Idm-E407

After part, 10 ft., of tunnel we ran in another [illegible] vein on a 35 degree vert to degree, following this vein [illegible] a distance of vein for 1[illegible] ft., due to the width of the drift 50 upon., 40 ft., this stringer crossed the vein, dipping south from above, under the surface of the big A mine, old works overhead, on a parallel seam with a flow of water coming down from above. The vein could be seen to continue up, and to the distance, an estimated distance of 25 ft., this water seam continued on down like the floor of the tunnel, this vein crossing the tunnel in a east and west direction, the right hand side of the tunnel turning slightly to the north east, as that side of the ft., geodes up on a gradual slope for several hundred ft., north and south east, 500 ft north east, the latitude Roof Mine Mine contact this 10 ft. east vein by dipping into the ft., north west, on the west side of the tunnel the vein gradually turned down west, the vein formation was blue spar, all between this direct water seam for a distance of 25 ft., 0 ft., this was a solid blue spar vein the mine began to set in and got larger and better, at the 0 ft another water came in stronger of 1 foot flow, dipping north in the same direction on each side of the tunnel, this other vein formation being harder more quartz and more iron, the body of ores 50 ft or more A, entering the tunnel there the pay streaks of 10 ft., we got 2000 lbs of ore only 6 lbs o. about that place pay ran out quickly, showing that in the tunnel came of no more ships, after passing through this 10 ft., of pay vein, we continued across the vein to the top walling, passing over the top of the vein and carried on, for another distance of 25 ft., 10 ft., that at 75 ft decided to stand north west for 50 ft., stopping and cutting part through the top walling of the big A mine vein that heads into the ft., North west and geodes up or climbs the ft., North east, 2 ft or a 6 ft. foot hole showed mine vein, a layer of granite full of mica, Mica schist, very showing, I want to continue here for another 15 foot, which should strike the top of the vein that runs into the ft., North west, the second shows that over 50 feet o. mine was found in the top level of the A mine, there was a body of mica found that widened over 100 lbs each. Jim Cochran found one and I the other, I should work each way in this another case of quartz.

Fred C Wilson

FILE COPY
SURNAME:

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

SEP 11 1953

Mr. Fred Wilson

Franklin, North Carolina

Re: Docket No. DMEA-2533 - Mica
"A" Mine
Macon and Jackson Counties,
North Carolina
Contract No. Idm-R407

Dear Mr. Wilson:

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

The final audit of the contract expenditures and the final reports of the Operator and of the Field Team have been received and accepted by this Administration. Of the total amount of $4,000.00 approved under the contract, the entire amount was expended, 90 percent of which, or $3,600.00, represented the Government's share. There were no unused materials, supplies or equipment to be disposed of for the joint account of the Operator and the Government. The exploration work was completed in a satisfactory manner.

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

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

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

JHopkins:gad 3/17/53
Copy to: Admr. R. File
Docket File
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

9-11-53

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

August 17, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Closing review of Docket No. DMEA-2533 - Mica
Applicants: Fred Wilson and John Van Weery
Franklin, North Carolina
Contract No. Idm-E407
Date of Contract: September 26, 1952
Property: "A" Mine
Macon and Jackson Counties
North Carolina
Contract Amount Approved: $4,000.00
Total Accepted Cost: $4,000.00
Government's share @ 90% $3,600.00
Project Work Begun: October 21, 1952
Project Work Completed: April 7, 1953

Project not certified: There was no significant discovery of mica and the project was ended in accordance with the closing letter attached hereto.

Docket Summary:

5/19/52 Application received. Proposes to rehabilitate and advance lower adit 80 feet to the pegmatite. Estimated cost $4,185.00.
5/23/52 USBM memo recommends field examination.
6/10/52 USGS memo recommends field examination.
7/18/52 Sample approved as ruby mica by Spruce Pine Depot.
8/20/52 Agrees with applicant's suggestion - Field Team Report:

Rehabilitate Adit	$500.00
Drive 100 ft. x-cut and drift @ $35.00/ft.	3,500.00
Total	$4,000.00

8/28/52 USGS approves field team proposal.
9/8/52 USBM approves field team proposal.
9/9/52 Contract prepared.
4/7/53 Project work completed.
4/9/53 Letter from applicant to Region VII requesting amendment for additional 25 feet of adit.
4/13/53 Letter from Region VII to applicant - No justification for additional work.

6/26/53 Final Report of Examiners recommending that no certification of discovery should be issued.

7/1/53 Memorandum from Field Team concurring that no certification should be issued.

Project Cost:

(As reported in Audit Review - Talbert 4/16/53)

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

Total cost as billed by contractor		$4,000.00
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$4,000.00

The contract calls for a 90% participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Three Thousand six hundred and no/100 Dollars

- $3,600.00 -

is considered valid and proper.

Resume:

Work completed under the project consisted of cleaning out, timbering where necessary, and installing track in 150 feet of existing adit from 3316-foot level. Following this work, 100 feet of crosscut and drift was driven from the previous face. The first 34 feet of crosscut was driven through fresh biotite gneiss.

At this point a thin pegmatite was picked up and followed for 46 feet. The pegmatite is from 1 to 8 feet in thickness over this distance, and is composed of a glassy quartz core, with feldspathic pegmatite on both sides. Mica, badly broken and ruled occurs against quartz and in the feldspathic material;approximately 1500 pounds of run-of-mine mica was recovered from which approximately 15 pounds of trimmed mica in sizes of Nos. 5 and 6 were obtained.

The pegmatite shows evidence of having been emplaced during a period of movement. Later, normal faults are also present.

Unit Costs:

All work performed was on an agreed unit cost basis. Cost of rehabilitation of the 3316 level was $500.00 and the cost of 100 feet of drifts and crosscuts was $35.00 per foot.

Comment:

No discovery of a workable deposit of mica was found by this project. Mica recovered was badly broken and ruled; only punch sizes were obtained. The examiners are of the opinion that

no additional work is justified. A commercial operation is not feasible, thus no certification should be issued.

The Nonmetallic Minerals Division concurs in the Field Team recommendation that the property should not be certified as a discovery.

Closing of Docket:

The project is not certified as a discovery and the books closed in accordance with a closing letter sent the Operator signed by the Administrator _____1953.

James Hopkins
Nonmetallic Minerals Division

FILE COPY
SURNAME:

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

600

August 17, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Closing review of Docket No. DMEA-2533 - Mica
Applicants: Fred Wilson and John ~~Van Weery~~
Franklin, North Carolina
Contract No. Idm-E407
Date of Contract: September 26, 1952
Property: "A" Mine
Macon and Jackson Counties
North Carolina
Contract Amount Approved: $4,000.00
Total Accepted Cost: $4,000.00
Government's share @ 90% $3,600.00
Project Work Begun: October 21, 1952
Project Work Completed: April 7, 1953

Project not certified: There was no significant discovery of mica and the project was ended in accordance with the closing letter attached hereto.

Docket Summary:

5/19/52 Application received. Proposes to rehabilitate and advance lower adit 80 feet to the pegmatite. Estimated cost $4,185.00.
5/23/52 USBM memo recommends field examination.
6/10/52 USGS memo recommends field examination.
7/18/52 Sample approved as ruby mica by Spruce Pine Depot.
8/26/52 Agrees with applicant's suggestion - Field Team Report:

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7/1/53 Memorandum from Field Team concurring that no certification should be issued.

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By DMEA Finance Officer	$ -0-	
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The contract calls for a 90% participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Three Thousand six hundred and no/100 Dollars
- $3,600.00 -
is considered valid and proper.

Resume:

Work completed under the project consisted of cleaning out, timbering where necessary, and installing track in 150 feet of existing adit from 3316-foot level. Following this work, 100 feet of crosscut and drift was driven from the previous face. The first 34 feet of crosscut was driven through fresh biotite gneiss.

At this point a thin pegmatite was picked up and followed for 46 feet. The pegmatite is from 1 to 8 feet in thickness over this distance, and is composed of a glassy quartz core, with feldspathic pegmatite on both sides. Mica, badly broken and ruled occurs against quartz and in the feldspathic material; approximately 1500 pounds of run-of-mine mica was recovered from which approximately 15 pounds of trimmed mica in sizes of Nos. 5 and 6 were obtained.

The pegmatite shows evidence of having been emplaced during a period of movement. Later, normal faults are also present.

Unit Costs:

All work performed was on an agreed unit cost basis. Cost of rehabilitation of the 3316 level was $500.00 and the cost of 100 feet of drifts and crosscuts was $35.00 per foot.

Comment:

No discovery of a workable deposit of mica was found by this project. Mica recovered was badly broken and ruled; only punch sizes were obtained. The examiners are of the opinion that

no additional work is justified. A commercial operation is not feasible, thus no certification should be issued.

The Nonmetallic Minerals Division concurs in the Field Team recommendation that the property should not be certified as a discovery.

Closing of Docket:

The project is not certified as a discovery and the books closed in accordance with a closing letter sent the Operator signed by the Administrator _____1953.

James Hopkins
Nonmetallic Minerals Division

JHopkins:gad 8/17/53

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

9-1-53

IN REPLY REFER TO:
GMD-CNM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 1 - 1953

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

August 31, 1953

Memorandum

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

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

Subject: DMEA-2533 (Mica).

Field Team Report of June 26 recommends that no certification be made on this contract.

Because the mica found was so poor (15 pounds of trimmed sheet in nos. 5 and 6 sizes from about 1,500 pounds of mine run), I am in favor of the Field Team's recommendation.

D M Larrabee

D. M. Larrabee

jb

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

August 7, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2533, Mica, "A" Mine, Macon County, North Carolina

I concur in the field team's recommendation that no certification of discovery be issued for this project.

W. F. Dietrich

W. F. Dietrich

Nelson

9/13

[illegible]

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
June 26, 1953

Received
JUL 1 1953

Memorandum

To: Chairman, Contracting Committee - [illegible] - Washington

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

Subject: Final Reports (also)

Transmitted herewith are four copies each of the following:

[illegible]-175, Ab-[illegible], Fred Harwood, Operator.

[illegible]-370, Ab-[illegible], Portall Mine, W. P. Chrisman, Opr.

✓ [illegible]-[illegible], Ab-2107, [illegible] Mine, Wilson O Dailey, Opr.

The Field Team concurs that no certification should be issued on the above contracts.

/s/ [illegible]
Robert A. Fairchild, Executive Officer
[illegible] Field Team, Region 7

/s/ [illegible]
[illegible], for V. J. Smith
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
7-8-53
(date)

DEPARTMENT OF THE INTERIOR
Bureau of Mines Information
Received
JUL 2 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
FIELD TEAM, REGION VII

DMEA-2533, "A" Mine (mica)
Macon County, N. C.

By

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

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

June 26, 1953

Reviewed by
DMEA OPERATING COMMITTEE
7-8-53
(date)

FINAL REPORT

on

DMEA-2533, "A" MINE (Mica)
Contract Idm-E407

Operator : Wilson and VarWerry, c/o Fred Wilson, Sylva, N.C.

The "A" mica mine is on the south slope of Rocky Face Knob, west of U.S. Highway No. 23, 6 miles by road northeast of Franklin, Macon County, North Carolina.

No discovery of a workable deposit of mica was found by this project. Mica recovered during the project is badly broken and ruled; only punch sizes were obtained. The examiners are of the opinion that no discovery was made, thus no certification of discovery should be made.

Work completed under the project consisted of cleaning out, timbering where necessary, and installing track in 150 feet of existing adit from the 3316-foot level. After this phase of the work was completed, 100 feet of crosscut and drift was driven from the previous face. This project began on October 21, 1952 and was completed on April 7, 1953.

The first 34 feet of the new adit was driven through fresh biotite gneiss. At that point a thin pegmatite was picked up and followed for 46 feet. At this point the pegmatite changes strike from N. 15° E to N. 60° W. Also the dip changes from 60° NW to 40° NE. At the point of strike and dip change, the Operator drove through the hanging wall of the pegmatite into biotite gneiss wall rock. In the 46 feet of the adit which followed the pegmatite, the pegmatite is from 1 to 8 feet thick and is composed of a glassy quartz core, with feldspathic pegmatite on both sides. Mica occurs against the quartz and in the feldspathic material. All mica recovered was badly broken and ruled. This condition was probably caused by movement. It appears that the pegmatite was emplaced during a period of movement. Also, later normal faults are present. At least three such normal faults are exposed in the adit where the average displacement is about 6 inches.

It is estimated that approximately 1500 pounds of run-of-mine mica was recovered during the project. This mica was badly broken and cracked, ruled, contained "A" structure, hard, and clear. Some non-ruby colored mica is present, but most of it is ruby colored. Approximately 15 pounds of trimmed mica in sizes of Nos. 5 and 6 were processed from that recovered.

The examiners are of the opinion that no additional work is justified on this deposit. A commercial operation is not feasible on this deposit, thus no certification of discovery should be issued.

Expenditures:

(a)	Total approved	$4,000.00
(b)	Total cost of project	4,000.00
(c)	Government's share of cost	3,600.00
(d)	Government's share unexpended - none	
(e)	Value of production during operation $200.00 (est.)	

This operation was conducted satisfactorily. The Operator has a hearing difficulty and sometimes during the project it was necessary to give repeated instructions in order to secure the desired results.

This project was on a unit basis, thus there is no salvage value.

K. H. Teague, USGS

L. E. Shirley, USBM

June 25, 1953

xm

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1953

INTERIM REPORT

IMEA-2533 Idm-E407 (mica) "A" MINE

OPERATORS: Fred Wilson and John VanWerry, c/o Fred Wilson, Sylva, N. C.

LOCATION: 6 miles by road northeast of Franklin, Macon County, N. C. It is on the west side of U. S. Highway #23 and occurs along the south slope of Rocky Face Knob.

This project has been completed. At time of visit 103 feet of drifting had been accomplished; 100 feet of drifting was covered by contract. The operator gave no indication that additional work would continue at his own expense. Some mica of strategic grade has been recovered, but it is the Field Examiners opinion that certification cannot be recommended on this project. It was interesting to note that additional timbering around the portal, which was recommended several months ago, was completed during the lasttwo weeks of operation.

L. E. Shirley

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

K. H. Teague

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

April 9, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 8 1953

INTERIM REPORT

IMEA-2533 Idm-E407 (mica) "A" MINE

OPERATORS: Fred Wilson & John VanWerry, c/o Fred Wilson, Sylva, North Carolina

LOCATION: 6 miles by road northeast of Franklin, Macon County, North Carolina. It is on the west side of U. S. Highway #23 and occurs along the south slope of Rocky Face Knob.

This drift, which is an extension of adit at the 3316 level, is now at 87 feet. Present heading is being driven in a N 60° W direction and material in heading shows principally biotite schist. It was suggested to the operator that he drop back from 8'-12' ft. in the drift and start driving a new heading in a N 30° W direction. Previous exploration along the footwall and results obtained necessitated this change. This project is nearing completion; 100 ft. of drift was authorized under contract.

Mr. W. A. Beck, a member of the IMEA 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

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

March 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 11 1953

INTERIM REPORT

DMEA-2533 Idm-E407 (mica) "A" MINE

OPERATORS: Fred Wilson and John VanWerry, Franklin, North Carolina.

LOCATION: 6 miles by road northeast of Franklin, Macon County, N. C. It is on the west side of U. S. Highway No. 25 and occurs along the South slope of Rocky Face Knob.

Present heading in this drift, being driven in a N 15° E direction, is at 68 feet. Material showing in face consists of feldspar, principally, with scattered quartz, mica and micaceous schist. Heading has been driven in pegmatite material for about 34 feet and this footage has yielded an undetermined quantity of mica. Operator stated that processing of mica on hand had begun, but he gave no estimate as to amounts already processed. Some of the larger mica observed had a greenish cast and much of it had been damaged badly by heavy shooting.

Some timbering has been accomplished near the portal, which has been unsafe since winter weather began. Some scaling and barring down of loose rock in the working area has been accomplished. Operator was advised not to shoot as heavily in the pegmatite as he did while crosscutting. Recent heavy shooting has loosened and fractured country rock material in the roof to such an extent that a very unsafe condition exists.

L. E. Shirley

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

March 5, 1953

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

February 16, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Review of Amendment No. 1 - Docket No. DMEA-2533 - Mica
Wilson and VanWerry
"A" Mine
Macon County, North Carolina
Contract No. Idm-E407

Purpose: To allow sufficient time to complete the program.

Method: Amend Article 3 to allow eight months instead of four months for completion.

Recommendation: Concurrence

Justification: The amendment is necessary because of delays due to adverse weather conditions and difficulty of access resulting from highway construction.

Execution: Amendment No. 1 executed January 20, 1953 in the field by the Executive Officer of Region VII.

Stanley A. Feitler
Stanley A. Feitler
Nonmetallic Minerals Division

RECEIVED

FEB 27

GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

FILE COPY
SURNAME:

Feitler
Houk

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

February 16, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Review of Amendment No. 1 - Docket No. DMEA-2533 - Mica
Wilson and VanWerry
"A" Mine
Macon County, North Carolina
Contract No. Idm-E407

Purpose: To allow sufficient time to complete the program.

Method: Amend Article 3 to allow eight months instead of four months for completion.

Recommendation: Concurrence

Justification: The amendment is necessary because of delays due to adverse weather conditions and difficulty of access resulting from highway construction.

Execution: Amendment No. 1 executed January 20, 1953 in the field by the Executive Officer of Region VII.

SAF

SAFeitler:gad 2/16/53

Stanley A. Feitler
Nonmetallic Minerals Division

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 11 1953

INTERIM REPORT

DMEA-2533 Idm-E407 (mica) "A" MINE

OPERATOR: Fred Wilson and John VanWerry, Franklin, N. C.

LOCATION: 6 miles by road northeast of Franklin, Macon County, N. C. It is on the west side of U. S. Highway No. 25 and occurs along the south slope of Rocky Face Knob.

Progress on this project is satisfactory. The cross cut, which is an extension of the rehabilitated adit, has been driven 40 feet. Pegmatite material was picked up at about 34 feet and mica not exceeding 2" x 2" has been recovered. Other mineralization consists of feldspar and quartz with small scattered garnets. Operator has complied with additional timbering requirements with the exception of the portal. Scaling bars have been acquired recently and barring down of all loose rock is done after shooting. Operators monthly reports are 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

January 28, 1953

2533

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 31 1952

INTERIM REPORT

DMEA-2533 Idm-E407 (mica) Rocky Face Mine

OPERATORS: Fred Wilson and John VanWerry, Franklin, N. C.

LOCATION: 6 miles by road northeast of Franklin, Macon County, North Carolina. It is on the west side of U. S. Highway No. 23 and occurs along the south slope of Rocky Face Knob.

Rehabilitation of the 3316 level has been completed. A crosscut, which is an extension of the adit in a N 15° E direction, has been driven for about 10 feet. No one was working at the mine at the time of visit. It was noticed that some additional timbering is needed at the portal and part of the lofting needs replacing about 50 feet S W of the working face.

L. E. Shirley

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

December 18, 1952

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

Room 13, Post Office Building
Knoxville 2, Tennessee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 1 8 1952

December 10, 1952

Mr. Fred T. Wilson
c/o General Delivery
Franklin, North Carolina

Re: DMEA-2533, Idm-E407 (mica)
Big "A" Mine

Dear Mr. Wilson:

Your Voucher and Monthly Progress Report (MF-104 and MF-104A) for October have been received in this office. These will be held here until it is definitely established that your lease is valid.

Please advise this office of any further developments in this matter.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region 7

WAB/mm
cc:
Lynch
Opr. Com.
Beck
Files

12/17/52
RAF

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1952

INTERIM REPORT

IMEA-2533 Idm-E407 (mica) ROCKY FACE MINE

OPERATORS: Fred Wilson and John VanWerry, Franklin, N. C.

LOCATION: 6 miles by road northeast of Franklin, Macon County, North Carolina. It is on the west side of U. S. Highway No.23 and occurs along the south slope of Rocky Face Knob.

This project began on October 21, 1952 according to Fred Wilson, who accompanied the writer on this visit. Good access roads have been bulldozed to the portal of the mine. An air compressor has been installed on the location. A house is under construction for storage of tools and anticipated mica. Rehabilitation of the 3516 level is virtually complete. Old timbers have been replaced where needed. Track has been lain for entire length of adit. Operators monthly reports were discussed at length with the operator, also the necessity for submitting narrative report in a form similar to one recently suggested.

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

November
~~October~~ 8, 1952

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

DEPT. OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

October 3, 1952

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region 7

Subject: DMEA-2533, Idm-E407 (mica) Fred Wilson & John Vanwerry

Transmitted herewith are three copies of the above subject contract signed in this office today. The other copies are being distributed as indicated on the copy.

Robert A. Laurence

Robert A. Laurence

FILE COPY
SURNAME:

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

SFeitler
Houk
Johnson

SEP 26 1952

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

Subject: Docket No. DMEA-2533 - Mica
"A" Mine
Mason and Jackson Counties
North Carolina

Dear Mr. Laurence:

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

If the contract meets with your approval, present it to the operator for his approval and signature. If any provisions are unsatisfactory to the operator, return all copies to this office along with suggested changes for consideration.

After signing of the contract, one copy is to be given to the operator, one copy retained for your files, one copy for the Regional Finance Officer, and the remaining copies, including the original, are to be returned to this office as soon as possible.

Sincerely yours,

S.H.
9-26-52

Ernest Wm. Ems

ACTING Chairman, Operating Committee

Approved:

C. H. Johnson (B.H.)
Member, Bureau of Mines

A. R. Kampf Jr. (B.H.)
Member, Geological Survey

Enclosures 6

SAFeitler:gad 9/23/52

Copy to: Admin. Reading File
Operating Committee (2)
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

MF-201
(June 1951)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the holder of a mortgage, claim, lien, or encumbrance identified and described as follows*:

Deed Of Trust, On James Robert Browning I/3 interest in minerals and mining rights, for $2I0.00 Tommy Odell April I7th I9[illegible], Recorded in Book Of Deeds # 4I Page # 62. Macon County, N. C.,

upon that certain parcel of ground described in a certain Exploration Project Contract dated

....., 195...., between .....

.....,

and the United States of America;

NOW, THEREFORE, the undersigned does by these presents subordinate all of his right, title, and interest in said mortgage, claim, lien, or encumbrance to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights under the provisions of said mortgage, claim, lien, or encumbrance; and

The undersigned agrees to commit no act nor assert any right, title, or interest under said mortgage, claim, lien, or encumbrance that might contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

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

Dated this I0th day of September, 1952

X Tommie Odell

*Include date of the instrument, and if recorded, book, page, and county of record.

U. S. GOVERNMENT PRINTING OFFICE 16—64581-2

MF-201
(June 1951)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the holder of a mortgage, claim, lien, or encumbrance identified and described as follows*:

[illegible]

upon that certain parcel of ground described in a certain Exploration Project Contract dated

....., 195...., between .....

.....,

and the United States of America;

NOW, THEREFORE, the undersigned does by these presents subordinate all of his right, title, and interest in said mortgage, claim, lien, or encumbrance to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights under the provisions of said mortgage, claim, lien, or encumbrance; and

The undersigned agrees to commit no act nor assert any right, title, or interest under said mortgage, claim, lien, or encumbrance that might contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

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

Dated this ..... day of ....., 195....

X Lonnie Adler

*Include date of the instrument, and if recorded, book, page, and county of record.

U. S. GOVERNMENT PRINTING OFFICE 16—64581-2

MF-201
(June 1951)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the holder of a mortgage, claim, lien, or encumbrance identified and described as follows*:

Deed Of Trust, on James Robert Browning 1/3 interest in minerals and mining rights, for $210.00 Tommy Odell April 17th 1947, Recorded in Book Of Deeds #41 page #62. Macon County, N. C.,

upon that certain parcel of ground described in a certain Exploration Project Contract dated

_____, 195_, between _____

_____,

and the United States of America;

NOW, THEREFORE, the undersigned does by these presents subordinate all of his right, title, and interest in said mortgage, claim, lien, or encumbrance to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights under the provisions of said mortgage, claim, lien, or encumbrance; and

The undersigned agrees to commit no act nor assert any right, title, or interest under said mortgage, claim, lien, or encumbrance that might contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

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

Dated this 10th day of September, 1952

Bonnie Odell

*Include date of the instrument, and if recorded, book, page, and county of record.

U. S. GOVERNMENT PRINTING OFFICE 16—64581-2

MF-201
(June 1951)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the holder of a mortgage, claim, lien, or encumbrance identified and described as follows*:

.....

.....

upon that certain parcel of ground described in a certain Exploration Project Contract dated

....., 195...., between .....

.....,

and the United States of America;

NOW, THEREFORE, the undersigned does by these presents subordinate all of his right, title, and interest in said mortgage, claim, lien, or encumbrance to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights under the provisions of said mortgage, claim, lien, or encumbrance; and

The undersigned agrees to commit no act nor assert any right, title, or interest under said mortgage, claim, lien, or encumbrance that might contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

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

Dated this ..... day of ....., 195....

.....

*Include date of the instrument, and if recorded, book, page, and county of record.

U. S. GOVERNMENT PRINTING OFFICE 16—64581-2

AFTER 5 DAYS, RETURN TO

Fred Wilson,

Franklin, N. C.,

FRANKLIN
SEP 15
2 PM
1952
N. C.

AIR MAIL 6¢ U.S. POSTAGE

AIR MAIL 6¢ U.S. POSTAGE

VIA AIR MAIL

Defense Minerals Adminstration,
New Interior Bldg.,
Washington, D, C.,

Stanley Feitler
Room 4037,
D.M.A.E.

Wilson & Son Moving

This envelope approved by the U. S. Post Office Dept.,
for AIR MAIL ONLY. Use for other purposes not permitted.

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

September 9, 1952

Memorandum

To: Acting Administrator

From: Nonmetallic Minerals Division

Subject: Resume DMEA-2533 - Mica
Wilson and Van Werry
"A" Mine
Macon and Jackson Counties
North Carolina

Application received 5/19/52.
Proposes to rehabilitate and advance lower adit 80 feet to the pegmatite. Estimated cost - $4,185.00.
U. S. Bureau of Mines memo 5/23/52.
Recommends field examination.
U. S. Geological Survey memo 6/10/52.
Recommends field examination.
Field referral 6/17/52
Sample approved as ruby 7/18/52 by G.S.A. at Spruce Pine, North Carolina.
Letter from applicant 8/21/52 transmitting MF-203.
Report by Field Team received 8/25/52.
Agrees with applicant's suggestion.

Rehabilitate adit	$500.00
Drive 100 feet of drift and crosscut from lowest (3,316) adit	3,500.00
Total recommended	$4,000.00

U. S. Geological Survey memo 8/28/52.
Recommendation - approve program.
U. S. Bureau of Mines memo 9/8/52.
Recommendation - approve program
Received copy of partnership agreement 9/8/52.
Contract prepared 9/9/52.

SAFeitler

Stanley A. Feitler
Nonmetallic Minerals Division

FILE COPY
SURNAME:

Feitler

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

September 9, 1952

Memorandum

To: Acting Administrator

From: Nonmetallic Minerals Division

Subject: Resume DMEA-2533 - Mica
Wilson and Van Werry
"A" Mine
Macon and Jackson Counties
North Carolina

Application received 5/19/52.
Proposes to rehabilitate and advance lower adit 80 feet to the pegmatite. Estimated cost - $4,185.00.
U. S. Bureau of Mines memo 5/23/52.
Recommends field examination.
U. S. Geological Survey memo 6/10/52.
Recommends field examination.
Field referral 6/17/52
Sample approved as ruby 7/18/52 by G.S.A. at Spruce Pine, North Carolina.
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Contract prepared 9/9/52.

SAF

Stanley A. Feitler
Nonmetallic Minerals Division

SAFeitler:gad 9/9/52
Copy to: Admin. Reading File
Docket File
Mr. Houk

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 8 1952

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

September 8, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2533, Mica; "A" Mine, Macon County, North Carolina

I concur in the field team's recommendation for an exploration program in the amount of $4,000.

W. F. Dietrich

W. F. Dietrich

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

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
SEP 8 1952

September 8, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2533, Mica; "A" Mine, Macon County, North Carolina

I concur in the field team's recommendation for an exploration program in the amount of $4,000.

W. F. Dietrich

NORTH CAROLINA
MACON COUNTY

AGREEMENT this agreement made this 26 day of April 1952 by and between Fred Wilson, Franklin, North Carolina and John Van Werry, 1800 N. Jefferson St., Arlington, Va.,.

Witnesseth that on the payment of $1.00 made to Fred Wilson, by John Van Werry, receipt of which is hereby acknowledged by Fred Wilson, and other valueable considerations, I the above said Fred Wilson, do sell convey and assign to John Van Werry, A ½ interest in a five year Mining lease, and Option to buy ½ mineral interest on or before two years from date of lease, and option dated January 28th 1952, The first parties of the lease and option is Bell Odell of Tellico Plains, Tenn., Robert Browning of same address, Austin Nuton Brownings, of Franklin, North Carolina, Parties of the first part, Fred Wilson is a party of the second part to this mining lease and option, the above said John Van Werry is now a party of the second part, and hereafter the term used in the lease and option as party of the second part, will be referred to as parties of the second part Heirs and assigns, all terms and conditions of the lease as registered in the register of Deeds Office for Macon County, N. C., in Book of Deeds #A 6, page # 394. that lease and option is now a part of this agreement between Fred Wilson and John Van Werry, and the First parties of that lease and option as above written,. A Photo-Copy of the orignal lease and option is attached hereto and becomes a part of this agreement.

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

Fred Wilson (SEAL)
Fred Wilson, second party.

John Van Werry (SEAL)
John Van Werry, second party,

I Evelyn R. Jenlaius A Notary Public for the County of Arlington, Commonwealth of Va. , hereby certify that personally appeared before me this day, Fred Wilson and John Van Werry, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed, Witness my hand and Notarial Seal this the 26th day of April 1952.

My Commission expires April 18th 1954

Evelyn R. Jenlaius
Notary Public.

DMEA 2533 8/29/52

Conference
J. L. Hofflund, John Van Werry
and SF.

Hofflund satisfied with
Lease and subordination
as well as area of land
less Rocky Face Mine
Tract

Now 9/4/52
In docket
Copy of Partnership agreement
to be submitted by Van Werry.

He will also get Tommy Odell
to subordinate his Deed of
Trust - although not required
by Hofflund for Gov't.

Van Werry also checking
to make sure everyone has
signed who should i.e. wives,
if any, of the Browning bros.

SF.

IN REPLY REFER TO:

G-MD-CNM

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

Memorandum August 28, 1952

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA 2533 (Mica).

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

From: P. L. Weis, U. S. Geological Survey

Applicant: Fred Wilson and John VanWerry

Name of property: "A" Mine

Location of property: Macon County, North Carolina

Date of field team report: August 20, 1952

Authorship of field team report: A. L. Peyton and K. H. Teague

Field team's recommendation: Grant a loan of $4,000 for exploratory drifting and crosscutting.

Comments: None

Action suggested: Follow field team's recommendation.

Paul L. Weis

Paul L. Weis

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 29 1952

IN REPLY REFER TO:

G-MD-CNM

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

Memorandum August 28, 1952

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA 2533 (Mica).

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

From: P. L. Weis, U. S. Geological Survey

Applicant: Fred Wilson and John VanWerry

Name of property: "A" Mine

Location of property: Macon County, North Carolina

Date of field team report: August 20, 1952

Authorship of field team report: A. L. Peyton and K. H. Teague

Field team's recommendation: Grant a loan of $4,000 for exploratory drifting and crosscutting.

Comments: None

Action suggested: Follow field team's recommendation.

Paul L. Weis

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 29 1952

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA
Norton's files
P. L. Weis
J. Horan

PLWeis:fw
G-8/28/52

Franklin, N. C.,
Aug., 2Ist I952,

Mica — 2533

Defense Mineral Adminstration,
Washington, D. C.,

Dear Mr. Stanley Feitler;

I am enclosing 2 copies of the last lein pappers, VanWerry is here and we are getting the A Mine ready to work, The men from Tenn., was here the first of last week and looked the mine over, we will continue the lower tunnell as we first planned, and when we strike the vein at that level it will put us in good flat clear ruby mica, write to me to the above address.

Yours very truly,

Fred Wilson

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1952

[illegible] CONSENT TO LIEN

[illegible], [illegible], [illegible], [illegible], [illegible]

[illegible] North Carolina, County of Macon

[illegible] recorded Jan 28th 1932 recorded [illegible] Book [illegible] Page 244 Franklin, Macon County

[illegible] a proposed exploration project contract, hereinafter [illegible] [illegible] Secretary of Agriculture, hereinafter called the "Government", and [illegible]

Macon Franklin Mt. and John Vine Murray
1800 N. Jefferson St
Arlington, Va.

[illegible] called the "Operator"; and

[illegible] under certain conditions of said contract which are set forth [illegible] the Government is entitled to a percentage royalty on production and to [illegible] which do not conflict with or be adverse to the interest of the [illegible] property;

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

1. The Government's priority in and right to dismantle, remove, take possession of, and dispose of facilities, buildings, fixtures, equipment, or other items on property [illegible] or any amendment thereof, shall prevail over and be prior and superior to any [illegible] or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

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

3. The undersigned shall commit no act nor assert any claim that may contravene [illegible] lien, claim, or rights of the Government under the provisions of said [illegible] shall be binding upon the heirs, executors, administrators, successors, [illegible] of the undersigned.

[illegible] this 17 day of May, 195 2.

[illegible] [Seal]

[illegible] [Seal]

Mark Robert Browning [Seal]

Tommy odell Holds a Deed of trust on Robert Browning 1/3

[illegible] the legal description of the land, or (b) strike out the words [illegible] "In a lease [or contract, deed, or other document] dated [illegible] in book [illegible] page [illegible] official records of said county." If [illegible] page of recordation cannot be dispensed with. If the space provided [illegible] an Annex, and refer to the Annex in the space.

[illegible] name of the Operator as it will appear in the exploration project contract [illegible] production from the land is not required, and in the absence of production [illegible] to repay the Government.

[illegible] maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

[illegible] by Operator. (a) If, at any time, the Government [illegible] [illegible] from which production may be made has resulted [illegible] [illegible] at any time not later than six months after the Operator [illegible] [illegible] mail account, may so notify in writing to the Operator [illegible] [illegible] briefly or indicate the nature of the discovery or development [illegible] [illegible], any minerals mined or produced from the land described in Article 2 [illegible] [illegible] of this contract, including any mined or produced before the [illegible] [illegible] percentage royalty which the Operator or his successor in interest [illegible] [illegible], upon the net smelter returns, the net concentrator returns, or other [illegible] from the sale or other disposition of any such production, in whatever form [illegible] [illegible] ore, concentrates, or metal, until the total amount contributed by the Government, is fully repaid, or until 10 years have elapsed, whichever occurs first.

(1) One and one-half (1½) per cent of any such net amounts not in excess of [illegible] ($8.00) per ton.

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

(For instance: the percentage royalty on a net amount of five dollars ($5.00) [illegible], would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, [illegible] and one-half (3½) per cent.)

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

(c) To secure the payment of the [illegible] 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.

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] the Government [illegible]

[illegible]

[illegible], the undersigned, in consideration of said [illegible]

[illegible] Government, [illegible] or other [illegible] [illegible] rights of the [illegible], and the Government is authorized to [illegible] and [illegible].

[illegible] the payment to the Government of the [illegible] royalty on [illegible] under the terms of said [illegible] project contract, or any [illegible] [illegible] the maximum amount of the Government's claim [illegible] [illegible], there is hereby [illegible] the Government [illegible] [illegible] [illegible] of minerals [illegible], until the royalty shall be fully paid on the [illegible] contribution, not in excess of 4/9 [illegible] [illegible] from the date of the contract.

[illegible] undersigned shall [illegible] not cause any [illegible] that may [illegible] [illegible] of the Government under the [illegible] [illegible] [illegible] workmen, miners, executors, [illegible] [illegible]

[illegible] day of [illegible], 195[illegible]

[illegible] [Seal]

[illegible] [Seal]

[illegible] [Seal]

[illegible] [illegible] of the land, or (b) [illegible] [illegible] [illegible], deed or other document] dated [illegible] official record of said county [illegible] [illegible] dispensed with. If the [illegible] [illegible] the Annex in the space.

[illegible] the Government [illegible] space in the exploration [illegible] [illegible] not required, and in the [illegible] [illegible] by the Government.

[illegible]

[illegible] one half [illegible] not exceed, [illegible] [illegible] ($[illegible]) per [illegible] of five (5) per cent of [illegible]

[illegible] the per [illegible] not exceed of five [illegible] ($[illegible]) [illegible] amount of tax [illegible] ($[illegible]) per cent.)

[illegible] Texas [illegible], [illegible] "net [illegible] returns", [illegible] from the sale or other disposal of oil, [illegible] gross income from [illegible] market value, the market value of the recovered oil or [illegible] in the [illegible] at is held. [illegible] of integrated operations in which the [illegible] of oil, there [illegible] would be gross income from mining [illegible] depletion purposes in income tax determination.

[illegible] royalty, the Government [illegible] upon the [illegible] in Article 2 and upon any production [illegible] the royalty [illegible] not by lapse of time or is fully paid.

(3) This article is not to be construed as imposing any obligation on the Operator or the Government to exercise an interest in any mining or production operations.

[illegible] All facilities, buildings, fixtures, [illegible] or other items costing more than $[illegible] each, paid for or purchased with funds contributed jointly by the Operator and the Government, [illegible] though title may be taken in the name of the Operator, [illegible] belong to the Operator and the Government jointly, in proportion to their respective [illegible], and upon the completion of the work or the termination of the contract shall be [illegible] by the Operator for the joint account of the Government and the Operator, either by [illegible] transfer, by sale to others, or [illegible] by the Operator at a price [illegible] the Operator, or by [illegible] for the joint interest of the Government, [illegible] building, unless the interest in any such item. If necessary to accomplish [illegible] the Operator shall [illegible], remove from the land, and remove any such [illegible] for the joint account of the parties in proportion to their respective [illegible] within 90 days after the receipt of written notice [illegible] the Government may [illegible] property, the Government may [illegible] remove and [illegible] any such property as [illegible]

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, ~~an owner~~, ~~co-owner~~, lessor, or ~~holder~~ has an interest in the land in the State of North Carolina, County of Macon, described as follows:

In a lease dated Jan 28th 1952 recorded in Book A 6 Page 394 Franklin, Macon County.

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

Mr. Wilson Franklin N.C. and John Van Werry 1800 N. Jefferson St. Arlington Va.

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 17 day of May, 1952.

Witness
Mrs. Mae McCuiston
N.P.

Mrs. Bess. [illegible] [Seal]

[illegible] [Seal]

Mark (x) Robert Browning [Seal]

Tommy Odell Holds a Deed of trust on Robert Browning 1/3

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.

[illegible]ment by Operator. (a) If, at any time, the Government [illegible] from which production may be made has resulted from the exploration [illegible], at any time not later than six months after the Operator has rendered [illegible] final account, may so notify in writing to the Operator [illegible] promptly or indicate the nature of the discovery or development. In the [illegible], any minerals mined or produced from the land described in Article 2 [illegible] date of this contract, including any mined or produced before the [illegible] subject to a percentage royalty which the Operator or his successor in interest [illegible] the Government, upon the net smelter returns, the net concentrator returns, or other [illegible] from the sale or other disposition of any such production, in whatever form [illegible], ore, concentrates, or metal, until the total amount contributed by the Government [illegible] interest, is fully repaid, or said 10 years have elapsed, whichever occurs first,

(1) One and one-half (1½) per cent of any such net amounts not in excess of [illegible] ($8.00) per ton.

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

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

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

(c) To secure the payment of the [illegible] 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.

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

OWNER'S CONSENT TO LIEN

[illegible] the undersigned, as owner, co-owner, lessor, or [illegible] has an interest [illegible] State of North Carolina, _____, County of Macon _____, [illegible]

[illegible]

In a lease dated Jan., 28th 1952, recorded in Book # A-6 page [illegible], Franklin, Macon County, N. C.,

[illegible] the subject of a proposed exploration project contract, hereinafter called the "[illegible]", between the United States of America, hereinafter called the "Government", and

2/ Fred Wilson, Franklin, N. C., And John Van-Merry 1800 N. Jefferson St., Arington, Va.,

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 _____ day of _____, 195 ___.

_____ [Seal]

_____ [Seal]
Austin Newton Browning,

_____ [Seal]

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

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

3/ Where no 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.

RELEVANT CONTRACT PROVISIONS

[illegible]ment by Operator. (a) If, at any time, the Government [illegible] [illegible]ment from which production may be made has resulted from the [illegible] [illegible], at any time not later than six months after the Operator has [illegible] [illegible]nal account, may so certify in writing to the Operator [illegible] [illegible] or indicate the nature of the discovery or development. In the [illegible] [illegible], any minerals mined or produced from the land described in Article 2 [illegible] [illegible] of this contract, including any mined or produced before the certificate [illegible] [illegible] to a percentage royalty which the Operator or his successor in interest [illegible] [illegible] the Government, upon the net smelter returns, the net concentrator returns, or other [illegible] [illegible] from the sale or other disposition of any such production, in whatever form [illegible] [illegible] ore, concentrates, or metal, until the total amount contributed by the Government [illegible] [illegible] interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, [illegible]

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

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

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

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

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

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

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

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

Room 1, Post Office Building
Knoxville, Tennessee

August 21, 1952

Memorandum

To: Operating Committee, DMEA-Washington

From: Field Team, DMEA, Region VII

Subject: DMEA-2533, Rocky Face Mine. Field Team Examination Report.

Attached are original and three copies of the above subject report with six extra copies of the map. Also attached are reviews of application.

The Field Team concurs in the recommendations on this project.

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2533, "A" MINE (Mica)

Applicants are
Fred Wilson, c/o General Delivery, Franklin, N. C.
John VanWerry, 1800 N. Jefferson St., Arlington, Va.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1952

By

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

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

Reviewed by
DMEA OPERATING COMMITTEE
8-29-52
(date)

August 20, 1952

Report of Field Examination on
DMEA-2533, "A" MINE (Mica)

Applicants are
Fred Wilson, c/o General Delivery, Franklin, N. C.
John VanWerry, 1800 N. Jefferson St., Arlington, Va.

The "A" Mine is located about 8 miles by road northeast of Franklin, Macon County, N. C. It is on the west side of U. S. Highway No. 23, and occurs along the south slope of Rocky Face Knob. Geologic evidence available at this place would indicate that little or no strategic mica can be obtained from the pegmatite in the upper weathered portions of it. However, the lowest adit (3316 foot level) exposes pegmatite which contains mica of strategic quality. Therefore, the Field Team recommends that the lower adit be extended along a straight course as indicated on the attached map until the pegmatite is encountered and crosscut. After the pegmatite has been examined, it is recommended that drifts be driven to the southeast and northwest along the most promising mica zone exposed. It is estimated that 100 feet of crosscut and drifts will be required to complete the exploration.

The Field Team examined the "A" Mine on August 15, 1952, and 3 hours were spent in the examination. Both Messrs. Wilson and VanWerry accompanied the Field Team on the examination.

The mine is accessible from U. S. Highway No. 23 by a good grade jeep or truck road, which extends from the highway to the upper portals (3372 foot level). Mr. Wilson mined mica during World War II, and appears to be competent to conduct the exploration.

It would appear that the applicants' lease is valid and that sufficient area is covered by the lease to permit satisfactory conduct of the exploration and any mining which may result from the project. There are no buildings at present on the property. However, for the exploration program, no buildings will be required.

The "A" Mine has been worked intermittently since about 1868, and it was last operated by Fred Wilson in 1944. No data is available on the production which has resulted from past operations. Mining has been conducted from several open cuts and shallow shafts at the surface and 5 tunnels which range in length from 50 to 170 feet. Numerous irregular stopes have been made from these various tunnels. Both the mica gneiss country rock and the pegmatite are thoroughly decomposed to a depth of approximately 50 feet. The pegmatite strikes to the northwest and has a confused dip. In the upper and middle tunnels, the dip appears to be steeply southwestward. However, in the lowest tunnel, the dip appears to be at a rather gentle angle to the northeast. It varies in thickness from 15 to 60 feet, and in the

upper levels, considerable evidence of shearing and perhaps faulting occurs. The Field Team believes, however, that this has been caused essentially by slumpage during weathering, as no such evidence is available in the exposure of pegmatite in the lowest tunnel. No clear cut zoning of the pegmatite appears in the upper levels as it is composed chiefly of weathered feldspar with scattered quartz rich areas. That portion of the pegmatite exposed in the lowest tunnel consists of feldspathic wall zone and a quartz core. Books of flat, hard, clear, ruby colored muscovite up to 6" diameter are at present exposed in the pegmatite in the lowest tunnel. Also, some "A" mica is present.

The Field Team believes that there is a possibility of developing a considerable deposit of strategic mica from the lower portion of the pegmatite and therefore recommend that the lower tunnel be extended from a point at the southeast end of the raise and that this extension be made to and through the pegmatite. After the pegmatite has been crosscut, drifts should be driven along it in both drives following the most promising mica showing (these proposed crosscuts and drifts are shown on the attached map).

It is estimated that the cost of this proposed work will be as follows:

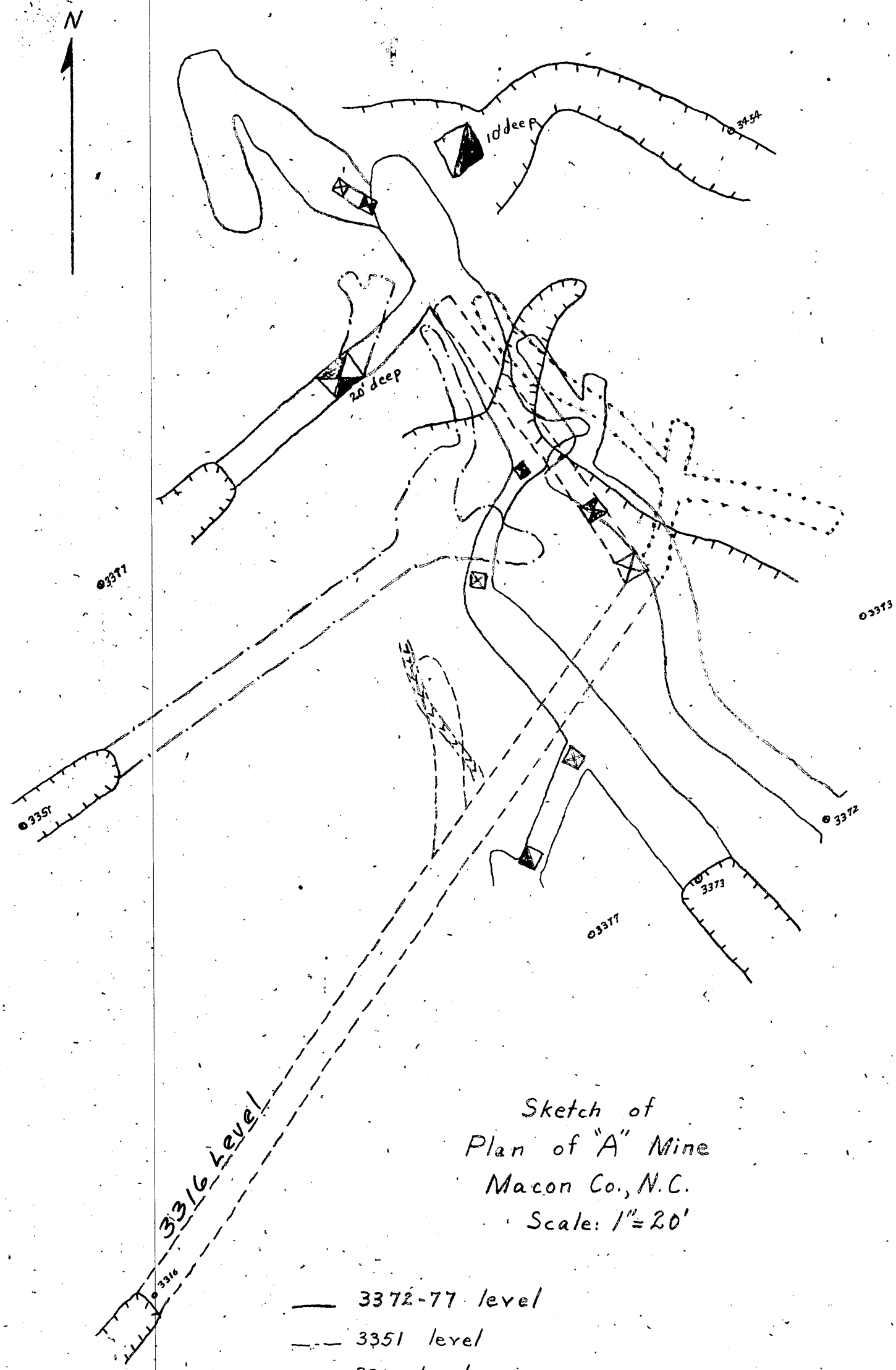
Preparation of tunnel to begin driving crosscut - - - - - - - - - - - - - - - - - -	$500
Driving approximately 100 feet of crosscut and drifts at $35/foot - - - - -	3,500
Estimated cost	$4,000

Estimated time to complete project - 50 shifts

August 15, 1952

A. L. Peyton, USBM

K. H. Teague, USGS



Sketch of
Plan of "A" Mine
Macon Co., N.C.
Scale: 1" = 20'

—— 3372-77 level

—·— 3351 level

---- 3316 level

..... Proposed work from 3316 level

DMEA-2533

Annex I

Description of the Land

"Beginning at a ~~B~~beach 173 poles from the Northwest corner of 123 the beginning corner of State Grant #_____ to William Young assignee of Walter Sorrells dated December 30, 1840; runs thence North 41 degrees west 82 poles to a small black oak now down ~~an~~ a iron pipe now replaces same on the Northwest side of the Rocky-face Mt., thence North 70 degrees East 102 poles to a locust, thence South 41 degrees East 44 poles to a red oak, thence in a South direction to a willow tree on the North side of the Franklin, Dillsboro, Highway and across the new highway to the old road and with the meanders of the old road in a western direction to the beginning."

Except that part of the above tract known as the Rocky-face Mine described as follows:

Beginning at the iron pipe on the Northwest side of the Rocky-face ~~Mor~~ State Mine, being the same iron pipe mentioned above, and running ~~runs~~ thence~~x~~ ~~beginning at the iron stake on the~~ North 70 degrees East 25 poles to a stake, thence South to the Highway or the beginning corner of the Browning tract as above described, thence North 41 degrees West 82 poles to the iron pipe from which this excepted tract begins.

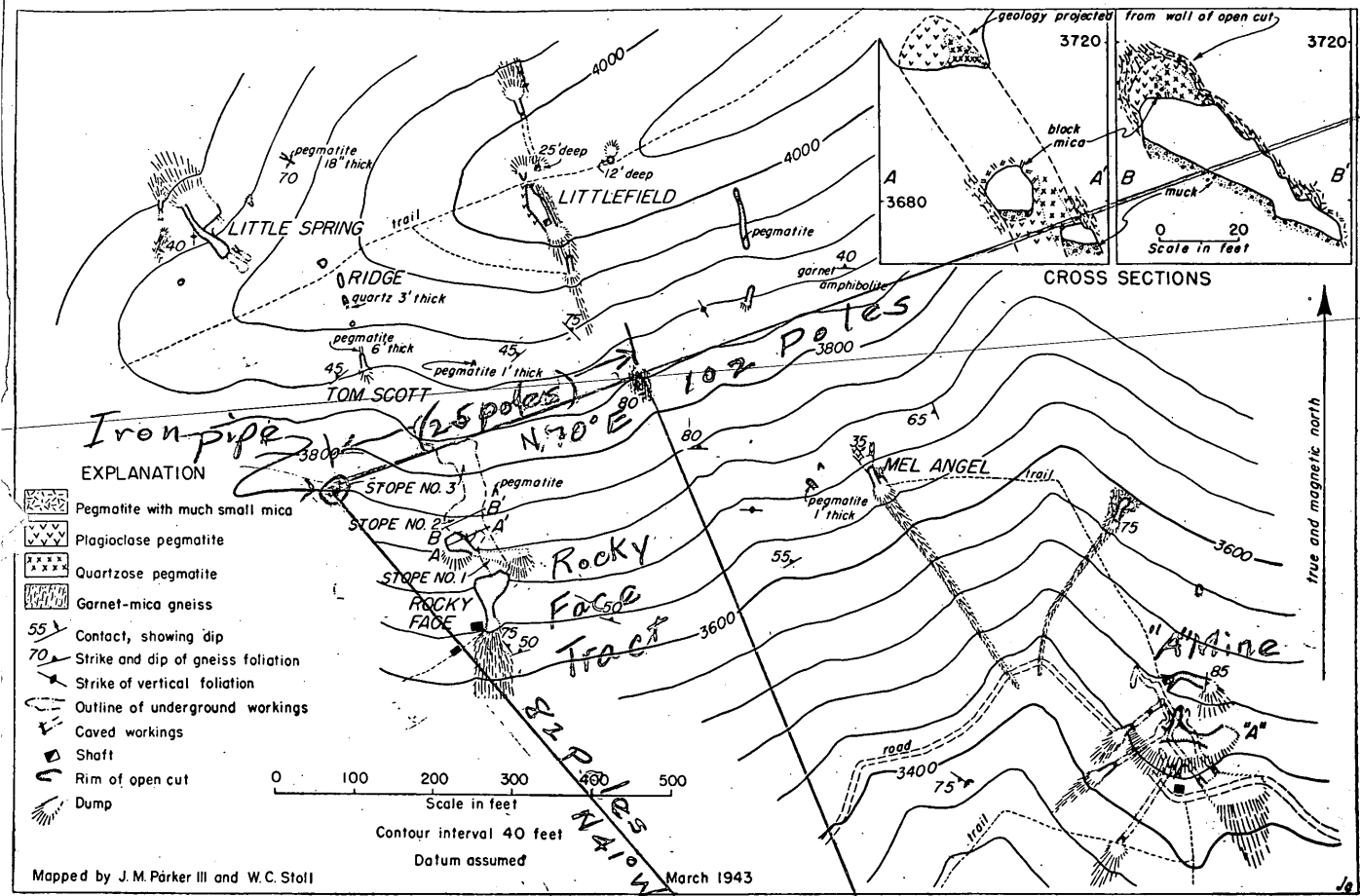


FIG. 5.—MAP AND SECTIONS OF THE ROCKY FACE MINE, MACON COUNTY.

The main group of workings (pl. 16) consists of an open-cut 100 feet long, as much as 45 feet wide, and 75 feet deep at the face. An adit extends northeast for 65 feet from the northeastern corner of the cut. From the end of the adit a crosscut is inclined upward and to the east for 20 feet. A large, irregular stope 65 feet long and as much as 25 feet high extends toward the northeast from the northwestern corner of the cut. Seventy-five feet south of the main open-cut is a caved adit. As its dump contains no pegmatitic debris the adit probably did not reach any pegmatite. About 200 feet southwest of the open-cut, and beyond the mapped area, are two shallow, irregular cuts and several caved adits.

The country rock is a fine-grained quartz-biotite gneiss, whose foliation strikes northeast and dips steeply northwest to vertical. Near the main pegmatite body many stringers of quartz are present in the foliation planes of the gneiss. The pegmatite body is Y-shaped in cross section. The two arms of the Y converge near the bottom of the face of the open-cut to form a trough, the axis of which plunges to the southwest at a low angle. The two arms of the Y are exposed on the upper parts of the face and crop out northeast of the cut. They strike northeast and are vertical. The pegmatite has been explored over a length of 170 feet and a vertical distance of 120 feet. The stem of the Y has a maximum thickness of 20 feet, and the arms range in thickness from 3 to 5 feet.

The pegmatite consists chiefly of plagioclase with varying amounts of biotite, quartz, and muscovite. In general biotite is the most abundant mineral, forming as much as 60% of the rock in some places. It occurs in warped books as much as 8 inches in diameter and in dense aggregates of small flakes. Some of the plagioclase occurs as euhedral crystals "wrapped" in sheets of biotite that are curved to follow the outlines of each crystal. Thin, discontinuous quartz ribs were noted in the south end of the stope from the open-cut.

The most important mica concentration appears to have been along the west wall of the stem of the Y and was mined in the open-cut and in the adit from the cut. A subordinate mica zone is exposed in the cross cut from the adit 10 feet west of the eastern contact of the stem of the Y. In addition, books of mica occur in both arms of the Y, but they are only locally abundant. The mica is dark brown and occurs in books as much as 6 inches in diameter. The average diameter, however, is less than 3 inches. The crystals are commonly euhedral and are unusually hard. Very little of the mica is warped, but reeves are common. Nearly all of the books contain a central core of light-spotted mica. Although much of the muscovite is closely associated with abundant biotite, intergrowths of muscovite and biotite are uncommon.

SHEPHERD KNOB MINE

931 North Stafford St.
Arlington Va.,
July 10th 1952,

Defense Mineral Adminstration,
Washington, D. C.,

DMEA - 2533

Dear Mr Feitler;

The enclosed Ruby Mica Samples come from the "A" Mica Mine VanWerry and I was there on the 7th and 8th, I understand the men from Knoxville was there on the morning of the 8th we missed them by one hr., if their report is favorable, I will send you the Lein pappers, and maps an other favorable reports, we gave the mine a good test and found it as represented in our application for the exploration loan.

I will be here until the 19th and then will go back to Franklin if the loan is oked, if you write to me before then send leytter to above address.

Yours truly,

Fred Wilson

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 14 1952

C
O
P
Y

GENERAL SERVICES ADMINISTRATION

Spruce Pine, N. C.
July 18, 1952

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

Subject: Docket No. DMEA-2410 - Mica
" " DMEA-2533 - "
" " DMEA-2557 - "
" " DMEA-2561 - "
" " DMEA-2575 - "

Dear Mr. Houk:

Replying to your inquiry of July 17, 1952, beg to advise that sample number 2, of Everett L. and R. W. Poston, DMEA-2561, is ruby mica, and the sample shows a few black dots that are not acceptable on this program, however, this mine may produce mica large enough to eliminate these spots in trimming, thereby making it acceptable on this Program.

The samples under DMEA-2533, Fred Wilson and J. Van Werry, are ruby mica, and if trimmed properly is saleable on this Program.

The sample from Anglin and Elkins mine, DMEA-2557, we find to be ruby mica, and if trimmed properly, would be acceptable on our Program.

The samples given by Beck and Lawrence, under DMEA-2410, we find to be ruby mica, and if large enough and properly trimmed, would be acceptable on this program.

The sample given by Ortha Roper, under DMEA-2410, number 2 sample, we find to be ruby mica, and if properly trimmed, would be acceptable under this Program. The other sample enclosed under DMEA-2410, we find to be ruby mica, but has too many reeves to be acceptable under this Program.

Sample DMEA-2571, Conway Revis, we find to be ruby mica, but has considerable waves and buckles. If this mine produced large size mica, it might be that it would produce, by careful trimming, mica that would be acceptable on this Program.

I am returning, under separate cover, samples above referred to.

With best regards from the writer, I am

Very truly yours,

W. S. Flynt (sgd)
Superintendent
Spruce Pine Mica Depot

JUN 17 1952

Mr. Robert A. Lawrence
Executive Officer, DMEA
Field Team, Region VII
Room 13
Post Office Building
Knoxville 01, Tennessee

Subject: Docket No. DMEA-2533 - Mica
"A" Mine
Macon County, North Carolina

Dear Mr. Lawrence:

The subject docket concerns exploration for mica at the "A" Mine in Cowee Township between Franklin and Silva, North Carolina.

Mr. Fred Wilson delivered the application to this office and said that he would work at the mine to improve accessibility for the Field Team. The property includes several mines but the applicant has, at present, only a three-fourth interest in the Rocky Face Mine. He has agreed to submit a sample of the mica from the "A" Mine for qualification.

A field examination of the "A" Mine is needed. It will be helpful, if the application is favorably considered, to locate on a map the iron stake that is the northwest corner according to the property description in the lease.

You have a copy of the application in your files and we enclose pertinent memoranda from the U. S. Geological Survey and the U. S. Bureau of Mines.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

C. N. Johnson
Member, Bureau of Mines

D. M. Lemmon
Member, Geological Survey

Enclosures 2

SAFeitler:gad 6/16/52
Copy to: Admin. Reading File
Operating Committee (2)
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

600

JUN 17 1952

Mr. Fred Wilson
Franklin, North Carolina

Subject: Docket No. DMEA-2533 - Mica
"A" Mine
Macon County, North Carolina

Dear Mr. Wilson:

Your application is being referred to Mr. Robert A. Lawrence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 21, Tennessee, for further information.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

LAFeitler:gad 6/16/52

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

FILE COPY
SURNAME:

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

600

Houk
FEJohnson

COPY

Mr. Walter S. Flynt, Manager
General Services Administration Depot
Box 846
Spruce Pine, North Carolina

Subject: Docket No. DMEA-2410 - Mica
" " DMEA-2533 - "
" " DMEA-2557 - "
" " DMEA-2561 - "
" " DMEA-2575 - "

Dear Mr. Flynt:

Transmitted herewith are five samples of mica for evaluation as to the probability of their acceptance for purchase by your agency. These samples are submitted in accordance with an agreement with Mr. W. [illegible] Freeman of your Washington Office. We would appreciate your sending a copy of the evaluation to Mr. Robert A. Laurence, Executive Officer, DMEA, Field Team, Region VII, Room 13, Post Office Building, Knoxville 01, Tennessee.

The following samples are submitted:

DMEA-2410 - Zeb Angel, Ortha Roper Mine
DMEA-2533 - Fred Wilson and John Vanderry
DMEA-2557 - R. L. Anglin and J. R. Elkins, Buskins Mine
DMEA-2561 - R. L. Poston and R. M. Poston
DMEA-2575 - Conway Lewis

Sincerely yours,

SIGNED 7/17/52

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

Enclosures - 5

LGHouk:mp 7/16/52
cc: Locked File
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, 0-232, DMA Bldg.
Mr. Houk
Field Team, Region VII

P.S. An addressed envelope is enclosed for return of the samples.

Mr. Walter S. Flynt, Manager
General Services Administration Depot
Box 846
Spruce Pine, North Carolina

Subject: Docket No. DMEA-2410 - Mica
" " DMEA-2533 - "
" " DMEA-2557 - "
" " DMEA-2561 - "
" " DMEA-2575 - "

Dear Mr. Flynt:

Transmitted herewith are five samples of mica for evaluation as to the probability of their acceptance for purchase by your agency. These samples are submitted in accordance with an agreement with Mr. W. M. B. Freeman of your Washington Office. We would appreciate your sending a copy of the evaluation to Mr. Robert A. Laurence, Executive Officer, DMEA, Field Team, Region VII, Room 13, Post Office Building, Knoxville 01, Tennessee.

The following samples are submitted:

DMEA-2410 - Zeb Angel, Ortha Roper Mine
DMEA-2533 - Fred Wilson and John VanWerry
DMEA-2557 - K. L. Anglin and J. K. Elkins, Huskins Mine
DMEA-2561 - R. L. Poston and R. W. Poston
DMEA-2575 - Conway Revis

Sincerely yours,

-S- 7/17

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

Enclosures - 5

LGHouk:mp 7/16/52
cc: Docket File
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk
Field Team, Region VII

P.S. An addressed envelope is enclosed for return of the samples.

FILE COPY
SURNAME:

Feitler
Houk

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

JUN 17 1952

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

Subject: Docket No. DMEA-2533 - Mica
"A" Mine
Macon County, North Carolina

Dear Mr. Laurence:

The subject docket concerns exploration for mica at the "A" Mine in Cowee Township between Franklin and Silva, North Carolina.

Mr. Fred Wilson delivered the application to this office and said that he would work at the mine to improve accessibility for the Field Team. The property includes several mines but the applicant has, at present, only a three-fourth interest in the Rocky Face Mine. He has agreed to submit a sample of the mica from the "A" Mine for qualification.

A field examination of the "A" Mine is needed. It will be helpful, if the application is favorably considered, to locate on a map the iron stake that is the northwest corner according to the property description in the lease.

You have a copy of the application in your files and we enclose pertinent memoranda from the U. S. Geological Survey and the U. S. Bureau of Mines.

Sincerely yours,

(signed) FRANK E. JOHNSON

F.E.J. 6-17-52

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

(S/ C. N. Johnson)
Member, Bureau of Mines

(S/ D. M. Lemmon)
Member, Geological Survey

Enclosures 2

SAFeitler:gad 6/16/52
Copy to: Admin. Reading File
Operating Committee (2)
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

FILE COPY
SURNAME:

S Feitler
Hauk

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

600

JUN 17 1952

Mr. Fred Wilson
Franklin, North Carolina

Subject: Docket No. DMEA-2533 - Mica
"A" Mine
Mason County, North Carolina

Dear Mr. Wilson:

Your application is being referred to Mr. Robert A. Lawrence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 01, Tennessee, for further information.

Sincerely yours,

C. O. Mittendorf (for) SN 6-17-52

Acting Administrator
Defense Minerals Exploration
Administration

SAFeitler:gad 6/16/52

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

IN REPLY REFER TO:

G-MD-PLW

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

June 10, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 11 1952

Memorandum

REVIEW OF APPLICATION DMEA-2533 (Mica).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Fred Wilson.
Name of property: A Mine (Big A), Little Rock, Rocky Face, Moll Angell, Spread-Out mines.
Location of property: Cowee Township, Macon County, North Carolina.
Estimated cost of project: $4,185.00.
Summary of applicant's proposal:
Extend lower tunnel on A (Big A) pegmatite for 120 feet, then drive 50 feet each way.
Sources of information on applicant's property:

(1) T. C. Olson, et. al., North Carolina Dept. of Conservation and Development Bull. 49, pp. 46-47 (Rocky Face Mine), 1946.
(2) Parker, J. M., and Stoll, W. C., Strategic Minerals Investigations, Preliminary Rept., U. S. Geological Survey, March 1943.
(3) Heinrich, Wm., Supplementary Report, 1944.
(4) Olson, J. C., Production Report for 1924-1942 (Rocky Face Mine) (Microfilmed). Other miscellaneous information.

Comments: (1) Parker and Stoll state that the "A" mine (Big A) showed (in 1943) only poor quality mica, and that the best prospect for further production was the Rocky Face pegmatite.
(2) Information desired by applicant might be better obtained by diamond drilling, rather than underground work.

RECOMMENDATION:

Refer to field team in order to (1) determine which, if any, of the pegmatites should be explored, and (2) set up a suitable exploration program.

Paul L. Weis

Paul L. Weis

IN REPLY REFER TO:
G-ND-PLW

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

June 10, 1952

Memorandum

REVIEW OF APPLICATION DMEA-2533 (Mica).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Fred Wilson.
Name of property: A Mine (Big A), Little Rock, Rocky Face, Moll Angell, Spread-Out mines.
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(2) Parker, J. M., and Stoll, W. C., Strategic Minerals Investigations, Preliminary Rept., U. S. Geological Survey, March 1943.
(3) Heinrich, Wm., Supplementary Report, 1944.
(4) Olson, J. C., Production Report for 1924-1942 (Rocky Face Mine) (Microfilmed). Other miscellaneous information.
Comments: (1) Parker and Stoll state that the "A" mine (Big A) showed (in 1943) only poor quality mica, and that the best prospect for further production was the Rocky Face pegmatite.
(2) Information desired by applicant might be better obtained by diamond drilling, rather than underground work.

RECOMMENDATION:
Refer to field team in order to (1) determine which, if any, of the pegmatites should be explored, and (2) set up a suitable exploration program.

PLWeis:hhp
G-6/10/52
cc: Dir's Read. f., 4212
Branch Read. f., 4212
DMEA
PLWeis, G-228, GSA Bldg., USGS
extra

Paul L. Weis

Jackson 5-8907

931 North Stafford St.,
Arlington, Va.,
May 24th 1952,

Mr. Stanley Feitler,
D. M. E. A.
Washington, D. C.,

Dear Mr. Feitler;

Last Tuesday I received the Lein pappers Signed by the the 3 parties in Tenn., but I dident get the one from Newton Browning, I written him another letter, I expect it Ist of the week, and will have them photo-copyed and send you 5 copies of each.

I also got the delivery price on the J-50 Ingersoil-Rand wet air hammer, I inch steel, 4¼ Hex., shank. $365.00
J. M. I2I Jackhammer Mt., 30 inch feed, 5 " cone I70.00
Column post 6 ft., 3 inch, double screw, 24" arm
Cone clamp. I6I.00
$ 696.00

Mitchell Distributing Co.,
Spruce pine, N. C.,

It will be after the Ist of June before I can leave here, would like to get down to the mine and do a week work before the Field men goes there, if you could let me know about the time to expect them, write me to the above address, I will come over before I leave here if necessary.

Yours truly,

Fred Wilson

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

S.A.F.

May 23, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Ceramic and Fertilizer Materials Branch

Subject: DMEA-2533, ~~Rocky Face~~ A Mine, Macon County, North Carolina.

The applicant's proposal to ecplore the mineral property appears worthy of consideration. The general area is one in which ruby mica is known to be the characteristic variety. Samples from both the Rocky Face and the "A" mine have been tested by the Geological Survey and found to be of good quality.

Certain revisions of the application are in order, essentially clarification of the present property lines in relation to old workings and proposed new exploration. Nevertheless, the evidence as submitted warrants a field team investigation.

W. F. Dietrich
W. F. Dietrich

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 23 1952

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

May 23, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Ceramic and Fertilizer Materials Branch

Subject: DMEA-2533, Rocky Face Mine, Macon County, North Carolina.

The applicant's proposal to eqplore the mineral property appears worthy of consideration. The general area is one in which ruby mica is known to be the characteristic variety. Samples from both the Rocky Face and the "A" mine have been tested by the Geological Survey and found to be of good quality.

Certain revisions of the application are in order, essentially clarification of the present property lines in relation to old workings and proposed new exploration. Nevertheless, the evidence as submitted warrants a field team investigation.

W. F. Dietrich

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1952

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

Subject: DMEA-2533
Re: Exploration Loan
Big A Mine, Little Rock Mine, etc.
May 19, 1952

Mr. Fred Wilson
Franklin
North Carolina

My dear Mr. Wilson:

This will acknowledge receipt of your application dated May 15, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2533 and referred to the Non-Metallics Division.

Kindly refer to DMEA-2533 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Administrative Officer

RETURNED 6-26-52 BECAUSE OF UNCLAIMING. ANOTHER LETTER SENT to MR. VAN WERRY, 6-26-52.

7862

FRANKLIN
MAY 21
1952

FRANKLIN
JUN 10
1952

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

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(FMC)

SAVE THE EASY WAY
BUY U.S. BONDS ON
PAYROLL SAVINGS

WASHINGTON, D.C.
MAY 20
12 — M
1952

FRANKLIN
JUN
24
2 PM
1952
N.C.

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-2533
Metal or Mineral
Date Received 5-19-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

[illegible]

Name and address of applicant

Date

If you have already filed MF-100, give date filed [illegible], type of assistance requested ,

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. [illegible]

   (*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. [illegible]

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

   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. [illegible]

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

   (*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. A Wonce 90 days.

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.

Fred Wilson

By John VanHerry

(Name of company) (Signature of authorized official)

(Date) (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

EXPLORATION PROJECT

Fred Wilson,
Franklin, N. C.,

John VanWerry,
1800 North Jefferson St.,
Arlington, Va.,

I. (a) The parties of the first part to the lease attached, are the owners of 3/4 of the mineral interest in the Rocky-Face Mica Mine, description given in paragraph 3 of the lease, this Mica mine will be worked by me when I get M.V. Higdon name on a subordination agreement and a seperat exploration project, all mines east of this Rocky-Face Mica mine the Mell-Angle, the Spreadout scrap mica mine, The Big "A" Mica Mine, and the Little-Rock Mica mine to the east of the "A" mine on the north eas vein from the "A" mine this is where the "A" Mica mine gets its name two veins comes together one from the north west and the other from the north east dipping together then setting up together and dipping down into the Mt., where the proposed tunnell will strike the vein in the Mt., 80 ft deeper and further.

(b) lease and subordination agreements attached.

(c) same area loan to be repaid from any mine or mines on entire boundry. this work to be done in lower tunnell"A" mica mine.

2. (a) large clear ruby sheet mica # I and # 2 quality.

(b) Mica well formed flat books of clear ruby, no green mica or mineral inclusings no black spotted mica, no wedged A, hair cracks, herringbone fish back A, some flat A mica, ribbon mica, an excelent formation of book Mica to work for, maps attached, report on the Rocky-Face Mica mine and these mines on the Rocky-Face Knob, by W.C.Stoll and J.M. Parker III attached.

(a) Continue present [illegible] over [illegible] 50 ft., each way, or stop [illegible] this trench to run due [illegible] lower trench will obtain the [illegible] of lower trench, this [illegible] ft., and [illegible] the [illegible] of the [illegible] cost $4.185.00

(b) [illegible] (c). [illegible] 7 (a)
(b) [illegible] 2,000.00

4 [illegible]

5 [illegible] large [illegible] set up [illegible] the [illegible] to run. 300.00

6 Storage [illegible] 20 ft., [illegible] 10.00

7 (c) [illegible] 75.00
(b) [illegible] 100.00
[illegible] 300.00
[illegible] 600.00
(c) [illegible] 60.00

8. [illegible] 1.00 [illegible] 400.00
[illegible] 1.50 [illegible] 600.00
[illegible] 600.00
[illegible] 300.00
9. none. [illegible] 300.00
10. a 10,[illegible] [illegible] 500.00
b yes [illegible] 192.00
11 none. [illegible] 36.00
truck 3 days @ $3.00 hour 72.00

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2533

Date received 5-19-52

Fred Wilson,
Franklin, N. C.,

John VanWerry,
1800 North Jefferson, St.,
Arlington, Va.,

Name and address of applicant

Date

MAY 19 1952
RECEIVED
Division of Defense Mobilization
Department of the Interior

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Ruby Mica, clear, and clinglis [illegible]
   (*b*) What are the byproducts, if any? Feldspar and [illegible]
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts. 1 shaft [illegible] 70 ft., but not deep enough to strike vein
   (*b*) Linear feet of drifts and crosscuts. 100 ft., old pressed work,
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly). 400 ft. deep tunnel open, 200 ft. [illegible]
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 10 miles Franklin, 25 to Cove.
   (*b*) Mining district. Cove, Franklin,
   (*c*) Township, Section, Range. Mills-Poole, Rocky-Face, Cove,
   (*d*) County, State. Macon, N. C.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production _____
   If not in production or operation, estimated date when production will begin 90 days after exploration [illegible]
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. 20 years Mica Mining, Carolina Feldspar, a general mining, geology, mica clear, prospecting.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Old workings, 0 years to 60 ago.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Rocky-Face Knob Mica Mines by W.C.Stoll and J.M.Parker III attached sheet, all Mica in all mines on this Mt., clear ruby.

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

[illegible]

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: Highway Sylva Dillsboro Highway 23, truck road Mine.
Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: Water available for wet drills, and other use.
State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:
State amount of power used, rate per hour, and source thereof. Power line through gap of cowee Mt., 1000 ft., below.

16. Labor: Good supply of good mining men, and Mica shooters.
State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: lower tunnell open and well timbered to the hard rock no buildings at mine, will build storage and tool houses.
Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
only in the Rocky-Face Mica mine, another party own a ¼ interest, and I dont have his subordination agreement signed, all other mines on the Big"A" mine property, which I have full rights to.

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.

Fred Welson

By John Van Werry

(Name of company) (Signature of authorized official)

(Date) (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—63702-1

The attached folder contains reports on the Rocky Face mine and Little Rock (Spreadout) mine.

The Index to John's Blue Ridge P.P. (p. 20) lists the following:

Big A mine
Little Rock mica mine
Rocky Face mine
Mel Angel mine

N.C. Bull 49 p. 46-47 — Rocky Face Knob mines

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FILE COPY
DO NOT REMOVE

Shelby, N. C.
September 11, 1944

11452

ROCKY FACE MICA MINE, MACON COUNTY, N. C.
Production recorded during period 1922-42
J. C. Olson

Records of purchases of mica reported to be from the Rocky Face mine, during the period 1922-42, were made available to the Geological Survey in 1942 by W. E. Grindstaff of the Asheville - Mica Co. These figures were recorded and totaled by J. C. Olson and J. J. Page. The sales were made during the following periods:

Period	No. of sales
April 21, 1922	1
March 29, 1923	1
August 18, 1926 to Feb. 4, 1929	19
July 2, 1931	1
Dec. 5, 1936 to Jan. 23, 1942	48

These records indicate that during this period the Rocky Face mine produced at least 119,268 lbs. of mica exclusive of scrap. This mica was distributed as follows:

Size	Lbs.	Percent of total
Sheet	24,683	20.7
Punch	91,245	76.5
Circle	3,340	2.8

The 24,683 lbs. of sheet mica was distributed as follows:

Size	Lbs.	Percent of total sheet
1½ x 2	9,127	37.0
2 x 2	5,565	22.5
2 x 3	5,333	21.6
3 x 3	1,958	8.0
3 x 4	1,118	4.5
3 x 5	1,114	4.5
4 x 6	425	1.7
6 x 8	43	0.2

Mine is in fair way of being worked out.

Prod. 7 mos 1942-43 = 25,203 lbs mica

Sheet = 974 = 3.9%

Punch 4,101 = 16.3

Scrap 20,128 = 79.8%

Value 4,446.91

Dec 1943

Pegmatite File Copy
Do Not Remove

N. C. Macon Co.

1145

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Franklin, N.C.
April 22, 1943

5/1/43 JLC.

THE ROCKY FACE KNOB MICA MINES
MACON COUNTY
NORTH CAROLINA[1]

5/19/43 Mace, Executive, Sayler, Gulliver, Burgess (2) Stocks

by
Walter C. Stoll and John M. Parker III

INTRODUCTION

Rocky Face Knob stands west of Highway U.S. 64 between Sylva and Franklin, N.C., about 8 miles by road northeast of Franklin. Part of the boundary line of Macon and Jackson Counties coincides with the eastern half of the crest of Rocky Face Knob, which trends east-northeasterly and stands 800-900 feet above the highway. On the north and south sides and on the crest of the ridge are a number of mica mines and prospects all but one of which are of little or no importance as producers of sheet mica. Mapping of part of Rocky Face Knob with transit and plane table at a scale of 100 ft. per inch, and of the Rocky Face Mine, at a scale of 20 ft. per inch, was performed during March, 1943, by J.M. Parker III and W. C. Stoll.

GEOLOGY OF ROCKY FACE KNOB

That part of Rocky Face Knob which was mapped consists mainly of mica-garnet gneiss, with small amounts of biotite-garnet schist, and kyanite (with sillimanite?) gneiss. The average trend of the gneiss appears to be northwest, but many departures from this trend were noted. The gneiss is much contorted. For the most part the foliation dips north and northeast at steep to moderate angles. Many pegmatite dikes of different sizes are exposed in the cuts and outcrops on the ridge. These have a trend north-northwest and dip northeast and southwest.

FOR VICTORY
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MICA MINES AND PROSPECTS

The mica mines and prospects which were inspected in the course of mapping are; the Rocky Face Mine, "A" Mine, Littlefield Mine, Ridge(Tom Scott) Prospect, Mel Angel Prospect, and Little Spring Mine. Of these, the Rocky Face Mine is the only one of importance. The positions of the mines may be seen by reference to the accompanying geologic and topographic map of Rocky Face Knob.

Rocky Face Mine

Introduction:- The Rocky Face Mine is on the south slope of the ridge. The floor of the main open cut is at an altitude of 3641 feet. The mine is at present operated for sheet, punch, and scrap mica by W. N. Grimm of Franklin, N.C., who commenced operation on Sept. 26, 1942. Before Grimm took his lease on the property from the owners, Well Browning and a Mr. Green, the mine was operated for a brief period by D. E. Worley, whose operation followed that of the Asheville Mica Co. from 1937 to 1941 (approximately). Prior to operation by Asheville Mica Co., the mine had been worked intermittently by several operators over a period of many years.

Data on recent mica production, as given by W. N. Grimm, are as follows:

Table 1: Mica Production, Rocky Face Mine, Sept. 26, 1942- April 15, 1943

Sheet Mica	974 lbs.	3.9%
Punch Mica	4,101 lbs	16.3%
Scrap Mica	20,128 lbs.	79.8%
	25,203 lbs.	
Total value...	$4,446.91	100.0%

Mining:- The pegmatites of the Rocky Face Mine have been excavated in two small open pits and in several interconnected underground stopes, all of which extend for a distance of 215 feet into the hillside. The bottom of the mine, xx said to be approximately flat at about the level of the floor of the lower open pit, is covered deeply with rock waste in most places. Other parts of the mine, such as the top and upper sides of the large stope at the north end, are also inaccessible. It is reported that a lower opening, at elevation 3625 ft., approximately, exists, but this is covered with mine dump. The geology of the mine was mapped in vertical cross-sections and in a series of horizontal sections on planes at altitudes of 3645.1' (main open pit), 3662.4', and 3679.4'.

Equipment for the current operation includes a small air compressor, jackhamers, and small tools. Drilling is dry. Electric caps are used in blasting. Mica is picked by hand from the broken rock and transported in gunny-sacks, and the waste is back-filled underground. Present mining is limited to the main dike.

Geology:- The pegmatites exposed in the Rocky Face Mine consist of a main dike and a number of smaller, subsidiary dikes, all of which are enclosed in biotite garnet gneiss, with which the pegmatite contacts lie in part concordantly and in part discordantly. On the average the main dike strikes N 25 deg. W. and dips 50 - 60 deg. east-xxxxxnorth east. Where exposed, its thickness ranges from 6 to 18 feet. Smaller dikes, ranging in thickness from 1 to 7 feet, approximately, lie in the foot-and hanging-walls of the main dike. Some of these appear to be lenticular in form. According to available information, the main dike has yielded most of the past production of sheet mica. This dike has been mined in Stopes #1 and #2. The large stope (#3) forming the north part of the mine was excavated in a dike or dikes distinct from the main dike. Sheet, punch, and scrap mica were recovered, reportedly, in the mining of stope #3, which was done principally by Asheville Mica Co. The accompanying large-scale map and sections show the interrelations of the several pegmatites in the accessible parts of

the mine.

That portion of the main dike from which most of the past production of sheet mica has come, which is exposed in Stopes #1 and #2, has a strike length of about 100 feet and a thickness of 18 feet. It consists of an irregular central quartz zone and two feldspathic zones, one on either side of the quartz and in contact with the gneiss wallrock. At the north end of this portion of the main dike the central quartz zone pinches out and the dike as a whole narrows to a thickness of 6 feet in its northward continuation. At the south end, in Stope #1, the main pegmatite lenses out in a blunt, irregular termination, but it is succeeded to the south by other, apparently unconnected, pegmatite bodies. Near the surface, the main dike ends bluntly against the enclosing gneiss. This termination can be seen in the face of the upper open pit.

The above-described sheet mica-bearing part of the main pegmatite dike is curved in two gentle bends or flexures, one anticlinal and the other synclinal, which pitch eastward down the dip of the dike. Stope #2 has been excavated on the anticlinal flexure and Stope #1 on part of the synclinal flexure.

The mineralogical zoning in the main dike is distinct but not entirely regular. The footwall feldspathic zone is 7 to 11 feet thick, the hanging-wall feldspathic zone is 0 to 3 feet thick, and the central quartz zone, which in places is mixed with feldspathic pegmatite, is 3 to 6 feet thick. Where the hanging-wall feldspathic zone is absent, quartz lies next to the hanging wall. At one place, narrow veinlets of feldspathic pegmatite cut the central quartz zone. They follow a set of fractures, and in a few places, where the veinlets pinch out, the fractures continue. This indicates that the greater mass of the quartz is of earlier origin than some, at least, of the feldspathic pegmatite. The quartz is of white sugary appearance and appears to be of a good commercial grade. The feldspathic parts of the pegmatite are composed principally of white plagioclase with which is mixed a little microcline, minor amounts of quartz, and irregularly scattered

fine scales of muscovite and small garnets. Block mica is sparsely and irregularly scattered in the feldspathic pegmatite, but rich concentrations of block mica, or mica "shoots" have been found in the past.

At the south end of the 3679.4 level, a few feet south of Stope #2, mica-bearing feldspathic pegmatite is exposed in the footwall zone. The sides and back of the drift were estimated to contain 3 - 4% of block mica, although, according to Grim, a richer pocket had been removed here. Crude block mica as large as 8" x 5" has been recovered recently from this working place. No notable concentrations of mica were seen in place, but one mica shoot, of small size, was mined in October, 1942. It yielded $2,500 worth of mica, including a high proportion of sheet, in sizes ranging up to 8" x 10" clear. This mica shoot lay in the hanging-wall feldspathic zone below the gneiss and above the central quartz zone. Its former position, indicated on the accompanying large-scale map, was near the crest of the gentle anticlinal bend of the pegmatite which is evident in Stope #2.

Mica:- The block mica from the Rocky Face Mine is of ruby to rum-brown color. Recently, crude blocks as large as 8" x 5" have been recovered. Most of the mica now being recovered is wavy. Only small degrees of staining and ruling were observed.

Recommendations for Future Work:- ~~That~~ The part of the main pegmatite which seems most likely to contain block mica in minable concentrations lies south of the present south end of the 3679.4 level and up-dip from Stope #1. As judged from the attitudes of contacts in contiguous parts of the mine, this section of the dike appears to be gently synclinal. It is possible that shoots of block mica may be discovered on or near the "trough" of this structure. Both the hanging-wall and footwall zones should be explored. Development in this area could be accomplished by raising on the dip from Stope #1, or by drifting southward on the 3679.4 level. After exhaustion of this possibility, deepening of the workings on the main dike seems to be the only likely course, but, since

the bottom of the mine is filled with rock waste, no judgment on prospects for downward mining can be given. Where they are exposed, the several subsidiary pegmatites and the northward continuation of the main pegmatite contain little mica of good quality. The quartz zones, with which sheet mica is associated in the Franklin district, are lacking in the parts of these pegmatites now exposed underground in the Rocky Face Mine. The past recovery of sheet mica from Stope #3 however, would seem to indicate that a quartz zone perhaps existed in one or more of the subsidiary dikes mined in this stope, but that the quartz was removed by mining or is present only in inaccessible parts of the mine. If future development should reveal the presence of a quartz body in one of the subsidiary dikes, the immediate surroundings of the quartz should, of course, be explored for mica, but from the evidence now available there seems little reason to expect any appreciable production of sheet mica from further mining in the north part of the mine.

"A" Mine

The "A" Mine is on the lower south slope of Rocky Face Knob. The workings are at elevations 3380 to 3500 feet. The mine is opened by five adit tunnels and drifts with connecting stopes and raises, two shallow vertical shafts, and a few open cuts.

The pegmatite in which the workings are excavated strikes in a northwesterly direction. Where observed, the hanging-wall dips moderately southwest; the only footwall exposure is vertical. The apparent thickness of the pegmatite ranges from 15 - 20 ft. to perhaps 50 - 60 feet, although repetition due to faulting may here give the appearance of large thickness. The absence of the dike in the lowest tunnel suggests faulting, but may be accounted for by the extremely irregular shape of the body. The "A" pegmatite is composed mainly of feldspar (plagioclase mostly) with scattered quartz-rich areas. Muscovite of rum color and displaying "A"-Structure (from which the name of the mine is derived) and waviness is scattered sparsely in the feldspathic

part of the pegmatite. The whole deposit is highly weathered and soft; much iron-staining is in evidence. The dike has been extensively sheared in places. Little mica was seen in the "A" Mine, and this of poor quality.

About 300 feet north of the "A" Mine is a new small quarry called the "Spreadout". The pegmatite revealed here is a very irregular lens containing a few books of wavy and ruled mica up to 6" in diameter.

Littlefield Mine

The Littlefield Mine is at and near the crest of Rocky Face Knob at elevations of 3880 to 4020 feet. The pegmatite is opened by two shallow vertical shafts, two short tunnels and an open cut. The dike exposed in the workings strikes N 05 deg. W and appears to dip steeply west. Its thickness ranges from 2 to 10 feet. In the adits the dike is composed of partly weathered feldspar, a little quartz, and a scattering of scrappy mica. No block mica was seen.

Ridge (Tom Scott) Prospect

The Ridge Prospect is a series of five small open cuts at and near the crest of Rocky Face Knob, about 300 feet west-southwest of the Littlefield Mine. The quartzose dike in which the cuts are sunk is about 6 feet in maximum thickness. Its strike is N 20 W and dip about vertical. No block mica was seen in this prospect.

Little Spring Mine

The Little Spring Mine lies on the north side of Rocky Face Knob near the crest, about 400 feet west of the Littlefield Mine. Several pegmatite dikes in this vicinity have been opened by small open cuts and tunnels, most of which are badly slumped. As judged from the few exposures and the trend of the workings, the veins strike N 40 W to N 60 W with steep dips to the southwest. No mica of any consequence was seen in the Little Spring Mine.

Mel Angel Prospect

The Mel Angel Prospect is on the south slope of Rocky Face Knob, 520 feet E.N.E. of the Rocky Face Mine. A small cut and a 14-foot tunnel expose a forked pegmatite the western branch of which is 4 feet thick and strikes NW and dips 35 deg. NE. The east branch, 5 feet thick, strikes N-S and dips vertically. No block mica was seen here. The wallrock, greatly folded and faulted, is a mica-garnet gneiss containing an unusually large amount of epidote.

Other Openings

Aside from the workings described above, there are many scattered prospect pits on the ridge. These small openings reveal small pegmatite dikes of no apparent importance. These dikes trend north to northwest for the most part. The positions of all of the openings are shown on the accompanying map of Rocky Face Knob.

U.S.GEOLOGICAL SURVEY IN COOPERATION WITH THE NORTH CAROLINA DEPARTMENT OF CONSERVATION AND DEVELOPMENT

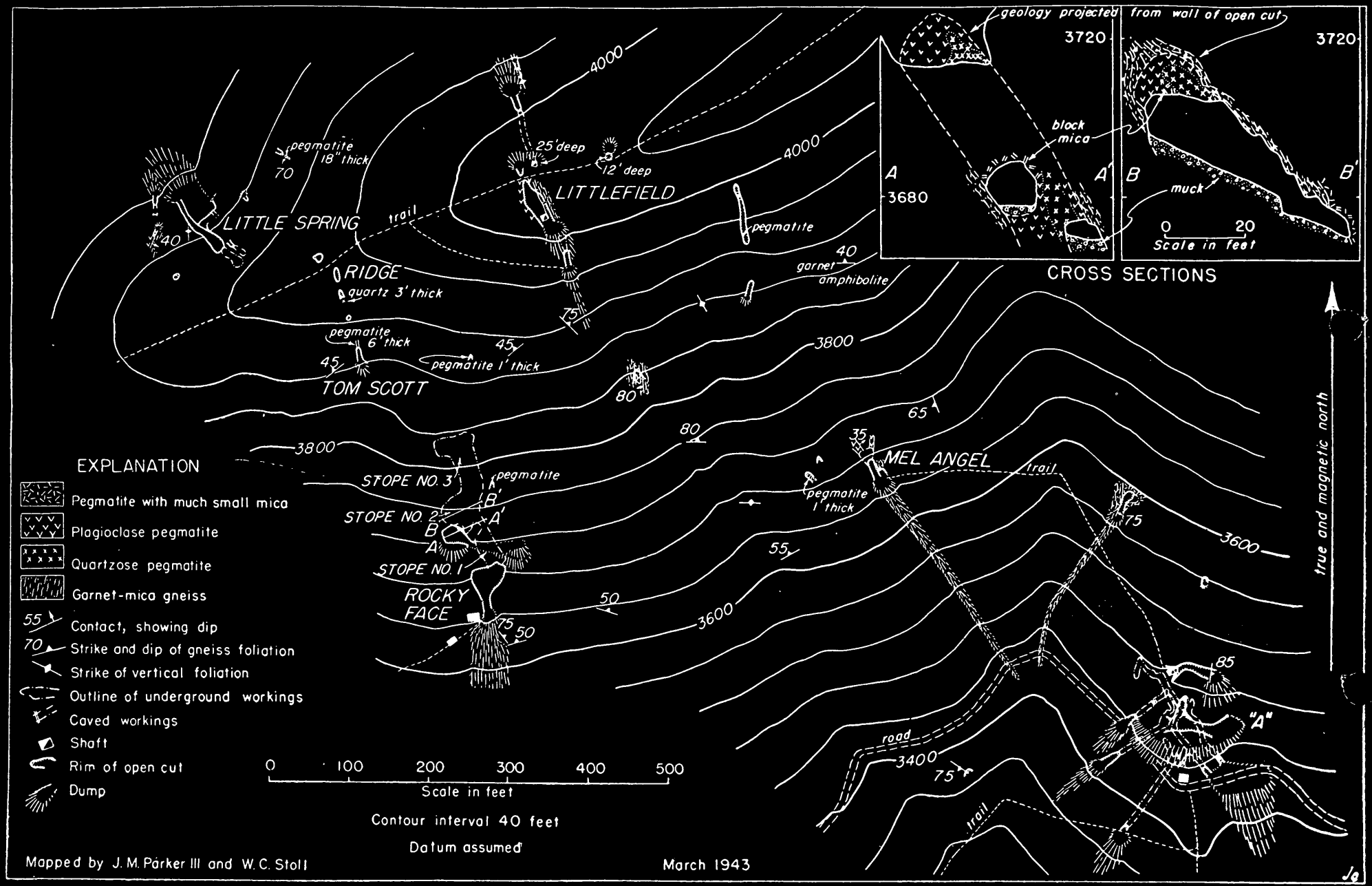
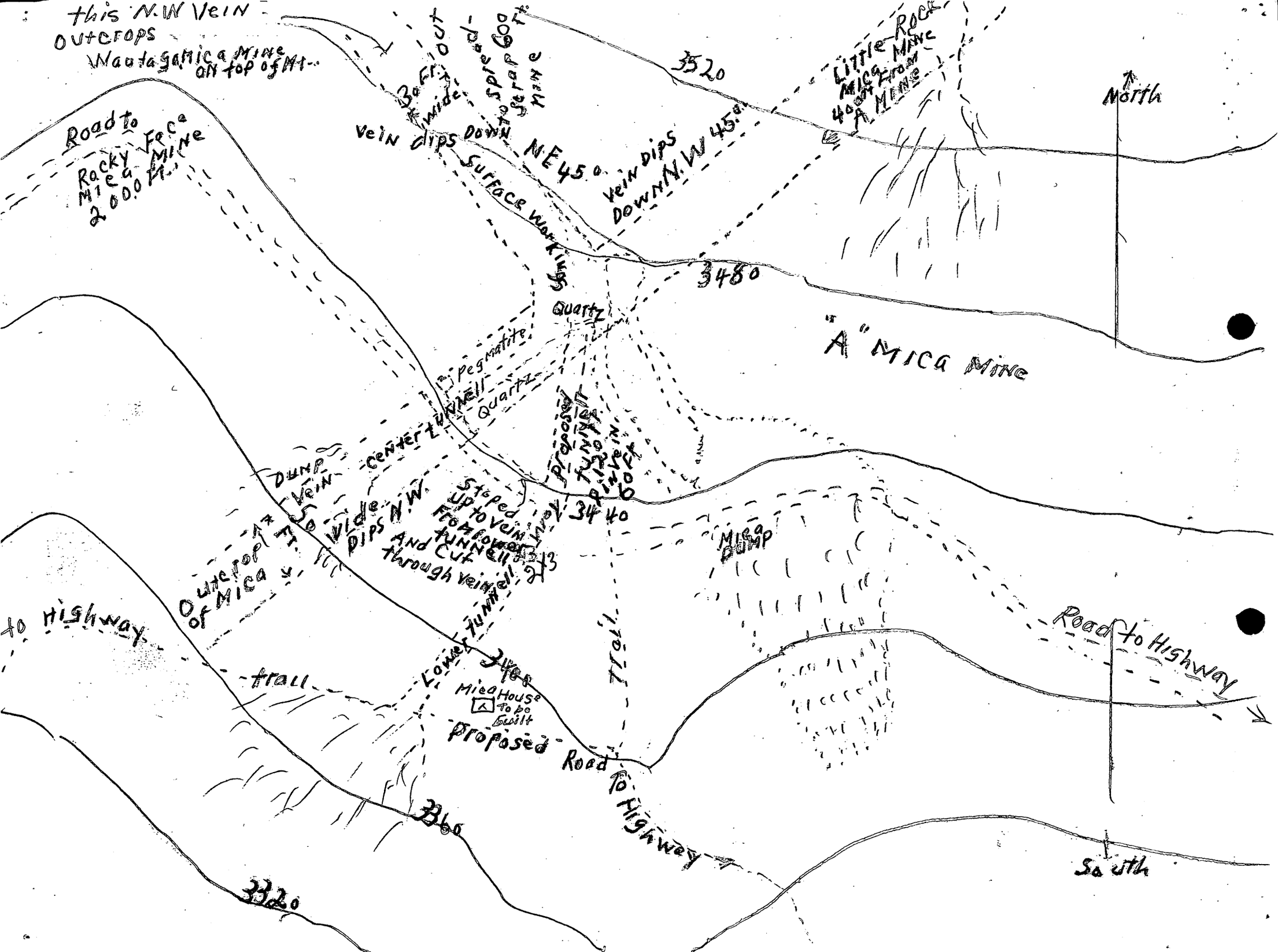


FIG. 5.—MAP AND SECTIONS OF THE ROCKY FACE MINE, MACON COUNTY.


this N.W Vein
Outcrops
Wautagamica Mine
on top of Mt.
Road to
Rocky Face
Mica Mine
2000 ft.
30 ft. wide
Vein dips Down NE 45°
Surface Workings
Quartz
Pegmatite
Quartz
Center tunnel
Dump
Vein
30 wide
Dips N.W.
Stoped
Up to Vein
From lower
tunnel
And Cut
through vein
Lower tunnel
Outcrop of Mica
to Highway
trail
Mica House to be Built
Proposed Road To Highway
Trail
Proposed Tunnel No. 1 Vein
Vein Dips Down N.W 45°
3520
3480
3440
3400
3360
3320
Little Rock Mica Mine
400 ft from A Mine
"A" Mica Mine
Mica Dump
Road to Highway
North
South

L.(e) N.C. Bull 49

ROCKY FACE KNOB MINES

W. C. STOLL and J. M. PARKER III

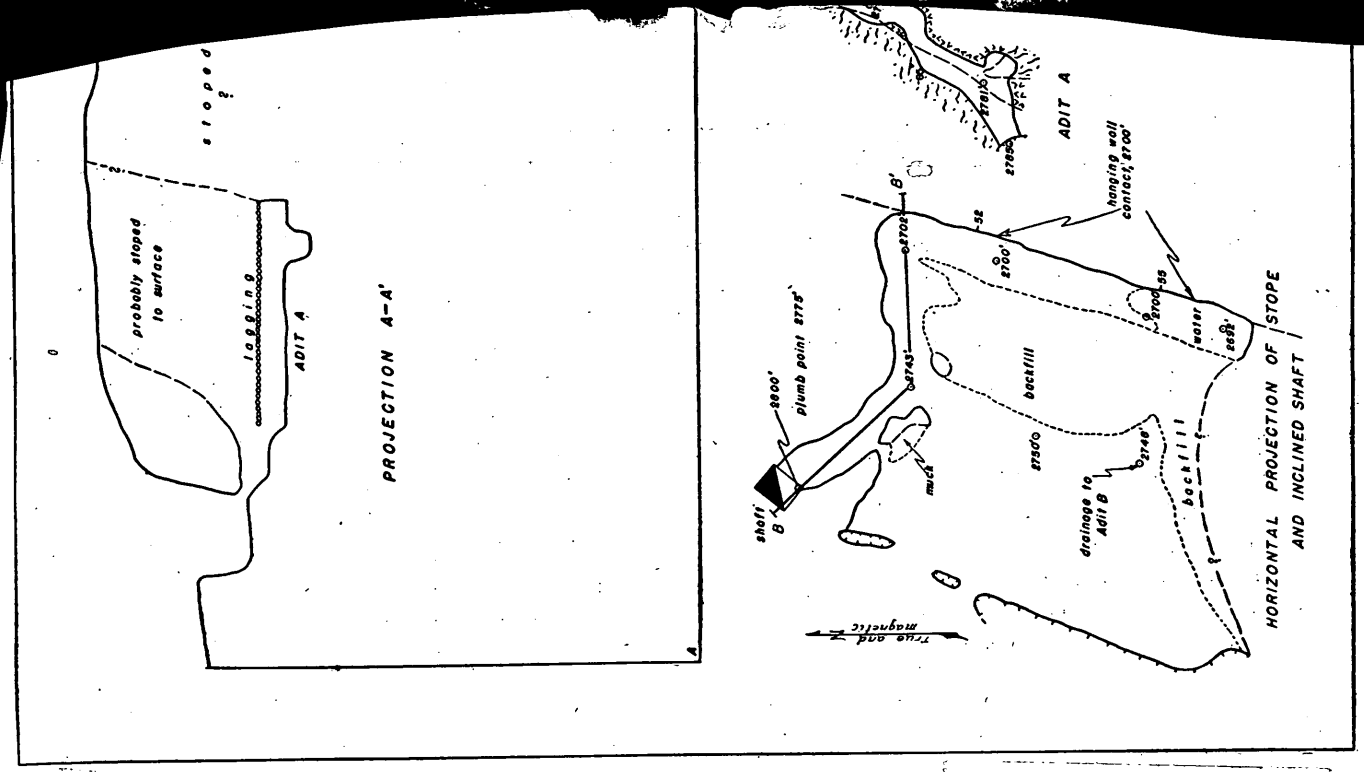
Rocky Face Knob, on the line between Macon and Jackson Counties, consists mainly of mica-garnet gneiss, with small amounts of biotite-garnet schist and kyanite gneiss. The foliation strikes generally northwest and dips north or northeast at steep to moderate angles, but in many places it is contorted irregularly. Many pegmatites are exposed on the steep mountainside; they trend N.N.W. and dip steeply. The positions of the seven principal openings in pegmatite are shown on the accompanying map of Rocky Face Knob (fig. 5). The workings are all relatively small with the exception of the Rocky Face mine, which has been worked intermittently for many years by numerous operators. From 1937 to 1941, it was operated by the Asheville Mica Company, and later by D. E. Worley. W. N. Grimm was the operator in March 1943, when the mine and nearby pegmatites were mapped.

The main pegmatite, 6 to 18 feet thick, is enclosed in biotite-garnet gneiss, and partly cuts across the foliation. Smaller pegmatite bodies, 1 to 7 feet thick, occur in the footwall and hanging wall, and are probably connected with the main pegmatite. The main pegmatite body, mined in stopes No. 1 and No. 2, has yielded most of the sheet mica. Stope No. 3, forming the north part of the mine, was excavated in a closely related pegmatite that probably joins the body mined in stopes 1 and 2. The mining of stope No. 3 was done mostly by the Asheville Mica Company.

The part of the main pegmatite body, exposed in stopes No. 1 and No. 2 from which most of the sheet mica has come, has a strike length of about 100 feet and a maximum thickness of 18 feet. It consists of an irregular core 3 to 6 feet thick of white sugary quartz, separated from both walls by feldspathic zones in which the commercial mica books occurred. At the north end of this part of the mine, the quartz core pinches out and the thickness of the pegmatite body diminishes to 6 feet. At the south end, in stope No. 1, the pegmatite terminates bluntly, but it is succeeded to the south by other, apparently unconnected pegmatite bodies.

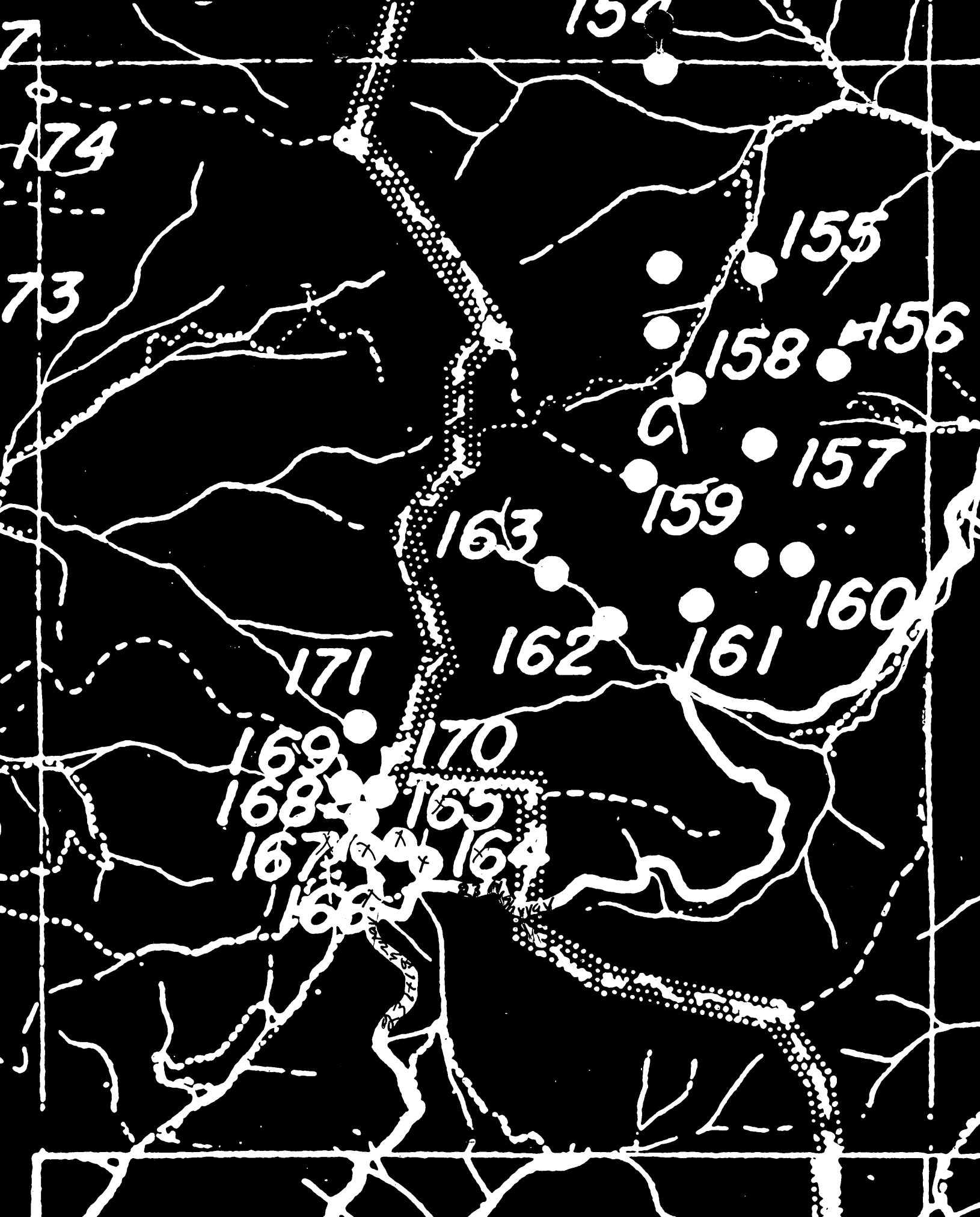
The feldspathic parts are composed principally of white plagioclase with a little microcline, minor amounts of quartz, muscovite, and small garnets. The footwall feldspathic zone is 7 to 11 feet thick; the hanging-wall feldspathic zone is mostly about 3 feet thick, but rarely it is absent and the massive quartz lies next to the hanging wall.

Mica from the Rocky Face mine is clear ruby of very good quality. Some of the sheets are slightly wavy, but staining and other imperfections are not conspicuous. Sheets of relatively large size have been obtained from some mica books mined from the pegmatite of the Rocky Face mine.



scrap and sheet mica in the district. Both kaolin and mica were mined as early as 70 years ago from tunnels and pits in soft decomposed pegmatite. Adits, begun near the crest of the ridge, were driven progressively lower on both the south and north slopes of the ridge. The lowest adits north of the ridge, the Bob and "New" adits, were driven about 1917-18; the Bob adit is reported to have been driven through the mountain to the main open-cut. Most of the adits on the north side of the ridge are open and accessible to their intersections with the pegmatite, where they are caved. It is reported that much stoping was done eastward from the ends of these adits along the pegmatite, but very little westward except for a reported 60-foot drift westward from the Bob adit.

Several years after World War I, J. E. Rice installed a plant for the recovery of scrap mica from decomposed pegmatite by washing and screening. This hydraulic mining obliterated many of the older "groundhog" tunnels, and created a large (East) open-cut 350 feet long and as much as 175 feet wide and 75 feet deep, and a smaller (West) open-cut 250 feet long, 50 feet wide, and 25 feet deep. Subsequently, much scrap and some sheet mica have been mined, mostly by J. E. Rickman and by the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Return this original and 1 copy.

NORTH CAROLINA
MACON COUNTY

THIS LEASE AGREEMENT, Made this 28th day of January 1952 by and between Bell Odell, Austin Newton Browning, James R. Browning, parties of the First part, and Fred Wilson party of the Second party.

WITNESSETH

That on the payment of $1.00 by the party of the second part, receipt of which is hereby acknowledged by the parties of the first part, and other valueable considerations as hereinafter contained on the part of the party of the second part his heirs or assigns to be performed, the parties of the first part their heirs hereby leases unto the party of the second part heirs or assigns, the Mica mining preveleges, mining rights, ingress and egress, and from any adjoining lands they may own, timber for mining purposes, water rights for mining purposes, the right to errect buildings for mining purposes, to build roads, to remove mica and other minerals from mine dumps, the use of old roads built for the purpose of ingress and egress to The Big A Mica mine and all other mines on the lands of William Browning, all of these rights, and the Mica and mineral interest was Deeded to the parties of the first part to this agreement by William Browning, the description of the land that these rights and mineral interest was excepted as follows. Beginning at a beach 173 poles from the North west corner of 123 the begining corner of State Grant #_____ to William Young assignee of Walter Sorrells dated December 30 1840; runs thence North 41 degrees west 82 poles to a small black oak now down a iron pipe now replaces same on the North west side of the Rocky-face Mt., thence North 70 degrees East 102 poles to a locust, thence South 41 degrees East 44 poles to a red oak, thence in a South direction to a willow tree on the North side of h the Franklin, Dillsboro, Highway and across the new highway to the old road and with the meanders of the old road in a western direction to the beginning. this mining lease is for a term of five 5 years fron the above date, on the following terms and conditions.

1st Party of the second part, heirs or assigns agree to pay to the party of the first part or heirs a royalty of 10 percent on the gross sales on all Mica, sheet mica, circle mica, punch mica, and scrap mica, and Feldspar and all other minerals mined and sold, and all Mica, Feldspar , and other minerals removed from dumps tailings from mines on the above named lands and descriptian as above described, this royalty of 10% to be paid not later than the 15th of each month on all Mica or other minrals sold the preceding month.

2nd Party of the second part heirs or assigns, hereby agree to pay to the party of the first part at the end of each 3 month period from the date of this agreement for the full 5 year term of this lease, a payment of $100.00 each $300.00 if earned royalty does not amount to $300.00 in any 3 month period then the difference to be paid to amount to $100.00 each $300.00 if the royalty due and paid to the parties of the first part exceed $300.00 in any 3 month period then credit is due to the next $300.00 payment, or suceeding payments, all royalty due each month shall be paid as in paragraph 1 above, all money paid as on this guaranteed amount at the end of every 3 months shall be credited to royalty due, if no mining is done or no Mica or minerals are mined or sold during any 3 month period then the full payments of $100.00 each $300.00 shall be paid to the parties of the first part, It is agreed by the party of the Second part that this $300.00 will be paid $100.00 sent to each party of the First part, as soon as the Government pass on the Exploration loan, for the first 3 month period, the 2nd payment then will be due at the end of the 2nd 3 month period 6 months from the date of this lease.

3rd That it is understood by all parties to this lease that Mack Higdon owns a ¼ interest in the Mica and mineral interest in the Rocky-face Mica mine begining at the iron stake on the North West side of the Rocky-face mica mine, runs thence North 70 degrees East 25 poles to a stake, thence South to the Highway or the begining corner of the Browning tract as above described, thence North 41 degrees W 82 poles to the begining all mica veins within this Boundry are called the Rocky-face Mica Mines, the parties of the First part to this agreement are giving me the right to work this mine, all Mica mines and all other minerals within this boundry, and all mining rights, I am to pay them 3/4 of the royalty, and ¼ to Mack Higdon, a 10% of the gross sales on all Mica, Sheet, Circle, Punch, and scrap Mica, Feldspar, and all other minerals mined and sold from this boundry, and such portion of the Rocky-face mica mine dump that is on this boundry on the inside of the Browning track, the Rockyface mines, to the West and adjoining the Browning lands which include the grater portion of the Rocky-face Mica mine dump, the boundaries of this land as registered in the Register of Deeds Office, Book of Deeds #X7 page #557 3/4 of this land is now owned by Bell Odell a part of the First pa rt to this leas, the parties of the First part give me the right to work this dump, and the right to dump the muck from the Rocky-face mines, ingress and egress, and the right to mine Mica and minerals that may be found on this Possetion right land.

4 The duration of this Lease shall be for 5 years from the date hereof, and in addition to the rights to mine and operate the Big A Mica Mine The Little Rock Mica Mine, The Spreadout Scrap Mica Mine, The Mell Angle Mica Mine, and all other mines that may be found to the boundary of the Rocky-face Mines, as described in paragraph 3 hereafter all of these mines will be refered to as The Big A Mica Mines, all the Royalty will be paid to the parties of the First part, All records of all Mica and other minerals mined and sold, Cost of all mining operations, machinery and equiptment, Building of Roads within the Boundary of this A Mine, shall be kept seperate from the Record on The Rocky-Face Mica Mines, and the Record on all Mica, Feldspar, removed and sold from The Rocky-face Mica Mine Dump,

5 And in addition to operate the Big A Mines, and The Rocky-face Mine on the terms and conditions and the Party of the Second part Heirs or Assigns shall also have the right for the full price of $30.000.00 to be paid on or before 2 years from the above date of this lease; to buy the Mineral Interest and all mining rights as described in this lease, and all ingress and ingress and dumping right below the Rocky-face Mica Mine. as described in this lease.

6 A record of all Mica, Feldspar, and other minerals mined and sold shall be kept by the party of the second part heirs or assigns, and such record shall be open for inspection to the parties of the First part at any time, the record to the Rockyface Mica mines shall also be open to the inspection of Mack Higdon, and the parties of the first part to this lease, the party of the second part heirs or assigns shall comply with all terms of this lease, any default in any term of this lease by the party of the second part then the parties of the First part are to give the party of the second part heirs or assigns 30 days to rectify such default.

To have and to hold said Mica and mining privileges hereunto set forth according to the terms hereof, unto the the said party of the second part his heirs and assigns, to their own use and behoof.

In Testimony Whereof, the parties hereunto have set their hands and affixed their seals the day and year first above written.

Witness C. S. Harris

Bell Odell SEAL
Bell Odell

Austin Browning SEAL
Austin Newton Browning

His mark James Robert Browning SEAL
James Robert Browning

Tommy Odell SEAL
Tommy Odell,
holding Deed of trust on
James Robert Browning 1/3 interest

Fred Wilson

Tenn.,
Monroe County

I C. S. Harris, Notary Public of the aforesaid County and State, hereby certify that personally appeared before me this day, Bell Odell, ~~Austin Newton Browning~~, James Robert Browning, Tommy Odell, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed Witness my hand and notarial seal, this 2nd. day of February, 1952. My commission expires October 18, 1955.

C. S. Harris
Notary Public.

North Carolina
Macon County

I Lewis Gibson Notary Public of the aforesaid County and State, hereby certif that personally appeared before me this day, Austin Newton Browning, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed. Witness my hand and Notarial seal this 11th day of February 1952. My commission expires December 22, 1953.

Lewis Gibson
Notary Public.

Commonwealth Of Virginia.
Arlington County
I C. E. Adkins Notary Public of the aforsaid County and Commonwealth Of Va herby certify that personally appeared before me this day Fred Wilson, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed. My commission expires My Commission Expires May 8, 1953.

Notary Public

7 We want no dumping of refuse or other materials from other mines upon the lands affected by this lease. We also want the mining upon these land done in keeping with the customary rules and usages of mining of this type. We hereby give the operator authority to open tunnels, build roads and houses where necessary for use in connection with said operations, and also the rights to do all necessary prospecting for new veins of mineral on the said lands including the 3/4 interest of Bell Odell with the right to use the same in any deemed fit and necessary in said mining, subject to the above requirements.

It is understood that these parties have the exclusive mineral rights to said lands, the fee to which is held by Charlie Bryson, and hereby lease said mineral rights as set out in the accompanying lease over all the said lands which was deeded to Stella Bryson by her father, William Browning.

4

NORTH CAROLINA
MACON COUNTY

The foregoing certificates of C. S. Harris, Notary Public of Monroe County, Tenn.; Cecile Gibson, Notary Public of Macon County, North Carolina and C. E. Ailstock, Notary Public of Arlington County, Commonwealth of Virginia all attested by their notarial seals, are adjudged to be correct. Therefore let the instrument, with the certificates, be registered.

WITNESS my hand and official seal, this 4 day of March, 1952.

Kate McGee
Clerk Superior Court
Macon County, N. C.

Filed for registration on the 4 day of March 1952, at 1:00 o'clock P M., and registered and verified in the office of the Register of Deeds for Macon County in Book No. A-6 Page 394

This 4 day of March 1952

Lakey Shope
Register of Deeds for Macon County

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR

Budget Bureau No. 42-R1085.4

EXPLORATION

Subject: DMEA-2533
Re: Exploration Loan
Big A Mine, Little Rock Mine, etc.
May 19, 1952

Mr. Fred Wilson
Franklin
North Carolina

My dear Mr. Wilson:

This will acknowledge receipt of your application dated May 15, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2533 and referred to the Non-Metallics Division.

Kindly refer to DMEA-2533 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

EXPLORATION

Subject: DMEA-2533
Re: Exploration Loan
Big A Mine, Little Rock Mine, etc.
May 19, 1952

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Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

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-2533
Metal or Mineral
Date Received 5-19-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

Name and address of applicant:
Fred Wilson,
Franklin, N. C.,
John VanTerry,
1300 North Jefferson St.,
Arlington, Va.,

"A" Mine

Date

If you have already filed MF-100, give date filed this date, type of assistance requested ,

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. Maps, lease, sheet attached,

   (*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. lease attached,

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

   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. sheet attached

2. (*a*) What metals or minerals do you expect to find? large clear ruby sheet mica

   (*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.

16—64067-2

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. sheet attached

   (*b*) State the time required to start the project and to complete it. at work 90 days

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. sheet attached

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.

Fred Wilson

By John VanWerry

(Name of company) (Signature of authorized official)

(Date) (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

Exploration project

Fred Wilson,
Franklin, N. C.,

John VanWerry,
1800 North Jefferson St.,
Arlington, Va.,

I. (a) The parties of the first part to the lease attached, are the owners of the mineral interest in the Rocky-Face Mica mine, description as given in paragraph 3 of the lease, this mica mine will be worked by me when I get M. V. Higdon name on a subordination agreement, and a seperate exploration agreement. All mines east of this Rocky Face mica mine, the Mell Angle, the spreadout scrap mica mine. The Big "A" Mica mine, and the Little-Rock Mica mine, to the east of the "A" mine on the North east Vein from the "A" mine, this is where the "A" Mica mine gets its name, two veins come together one from the north west and the other from the North east, dipping together then setting up together and dipping down into the Mt., where the proposed tunnell will strike the vein in the Mt., 80 feet deeper and further.
(b) lease and subordination agreement attached.
(c) same area, loan to be repaid from any mine or mines from entire boundary. This work to be done in the lower tunnell of the "A" Mica Mine.

2. (a) large clear ruby sheet mica, # I and # 2 quality.
(b) Mica well formed books of flat clear ruby mica, no green mica, or mineral inclusions, no black spotted mica, no wedged A, hair cracks, herribone fishback A, Some flat A mica, ribbon mica, an excelent formation of Book mica to work for. maps attached, reports on the Rocky Face mica mine, and the mines on the Rocky-Face Knob, by W.C. Stoll and J. M. Parker III. attached.

Applicant says:
"Two pegmatites meet - Hence "A" Mine"
SF

3. (a) Continue present lower tunnell 100 ft., as shown on maps, cross-cut 50 ft., each way, for stope up each way 50 ft., North East and North West, this tunnell to run due North from present head of lower tunnell, this lower tunnell will strike the two veins, at the intersection one vein comin from the North East and dipping North West at 45 % into the side of the Mt., and the other vein coming from the North West and dipping into the sid side of the Mt., South East at dip of 5 %, at the intersection of these two veins the vein is open., 100 ft., wide, each vein carry a core of quartzite in the center, with ilmen on both sides, at the intersection of the two veins it will carry ilmen over around and under the core of quartzite, and this is where very large beds of ilmen will be found, weighing up to 1.500 lb., each, as even a bed of ilmen was found by Fred Wilson in 1910 near the surface of the intersection of the two veins which would be 100 ft above this proposed tunnell level,

Labor, dynamite, exploders instant and delays, Gasoline, cutting mine props cross ties, laying tracks to the head of the present tunnell, and ties and tracks to the head of the proposed tunnell and cross-cuts, the total cost of this tunnell not including mining equipment as set forth in 7 (a) (b) and (c). and buildings for road work, and labor, trucking, $ 2.300.00
(b) 90 days to complete exploration project. cost 4.185.00

4 Dynamite.

5 One Sullivan air compressor separate Motor belt driven, 210 cubic ft., P. 2 large air tank, all fittings, repairs and parts to compressor and motor, set up at mine ready to run. 200.00

6 storage shed built at mine 10 ft x 10 ft., material and labor, 100.00

7 (a) one hoist machine rent at the rate of $25.00 per month 3 months, 75.00
(b) 1 yard mining car used 100.00
600 lineal ft., track rolling stock, weight 4.50 lb., 18# 800.00
1 water lines wet drill air hoses for 1 inch steel,
3 ft., column post, double screw feeds, alike with hand feed for drilling and tunnell work. 600.00
400 ft., 1 inch black pipe for air line 60.00
(c) The above Sullivan 210 cu., F. P. lb belong to no. 4 setts steel, 2 ft., 3 ft., 4 ft., 6 ft., lengths, 600 inch bits sizes 1.5/8. 2.5/8. 2.1/2 3". 1.7/8. 1.3/4. and 1.5/8 inch screw type tighten, for above threaded hollow steel, two 50 ft., lengths air hose 3/4 inch. two 50 ft lengths water pressure hose 3 inch from water tank to wet drills, one 500 gallon water tank heavy air pressure tank, for water supply to wet air drills, pumps, one 3½ inch air pump. two water pump that will pump 400 gallons of water per minute at 200 ft., depth, 8 inch intakes and 8 inch outlets pipes, 100 ft rubber pump 8 inch hose, one 6½ inch gas motor pump, one rubber lined wheel-barrow, shovels, picks, hand hammers and steel for sampling veins, exploder battery, and wire, two dump buckets 1 yard each for shaft hoist, and hoist double drivings, and cables, one heavy duty air drills Sullivan for outside drilling, one Ingersoll Rand 7/8 inch hammer duty, and two sets of steel and core bits

8. Including the 60 days each for tunnell work @ $1.00 an hour, $ 840.00
Drillers one 40 days " " " 1.6 " 400.00
Miner, supervision myself Fred Wilson " " 2.80 " 400.00
this for tunnell stoping out and stope work,
dynamite for tunnell work. 440.00
exploders and delay exploders. 100.00
9. none Gasoline and oil. 130.00
10.a 10% cutting mine props, cross ties, laying track to present tunnell head.
b yes and proposed tunnell and cross cuts, building roads, timbering,
11 none. 10 days each for the above 4 men. 560.00
Sullivan 8 days @ $3.00 an hour, building roads, on mine 192.00
cost of mine timber 56.00
trucking days @ $3.00 an hr 72.00

Rocky-Face Knob mines
W.C Stoll and J.M. ParkerIII

Rocky Face Knob on the line between Macon and Jackson Counties, sonsisting manily of mica-garnet gneiss, with small amounts of biotite-garnet schist and kyanite gneiss. the foliation strikes generally north west, ~~with small amounts of~~ and dips north or north east at steep to moderate angles, but in places it is contorted iregularly. Many pegmatites are exposed on the steep mountain sides; they trend N N W and dip steeply. The positions of the principal openings in pegmatite are shown on the accompanying map on Rocky- Face Knob fig 5 . The working are relatively small with the exception of the Rocky- Face mine, which have been worked intermittently for several years by numerous operators. from I-I937 to I943 at this time this time it was operated by the Asheville Mica Co., and later by D.E. Worley. W.M. Grimm was the operator in March I943, when ~~thin~~ the mine and near by pegmatite was mapped.

The main pegmatite 6 to I8 feet thick, is enclosed in biotite-garnet gneiss , and partly cuts across the folitation. Smaller pegmatite bodies, I to 7 feet thick , ocurr in the foot wall and hanging wall, and are probally connected with the main pegmatite. The main pegmatite body, mined in stopes # I and # 2 has yeilded most of the sheet mica. Stope # 3 , forming the North part of the mine, was exacavated in a closely related pegmatite that probally joins the body mined in stopes # I and # 2 . The mining of stopes # 3 was done mostly by the Asheville Mica Co.,.

The part of the main pegmatite body, exposed in stopes # I and # 2. from which most of the sheet mica has come, has a strike of about I00 ft., and a maxium of thicknes of I8 feet it consist of an irregular core 3 to 6 feet thick of white sugary quartz, seperated from both walls by feldspathic zones in which the commercial book mica occured. At the north end of this part of the mine, the quartz core pinches out and the thickness of the pegmatite terminate bluntly, but it is succeded to the south by other, apparently unconnected pegmatite bodies

The feldpathetic parts are composed principally of white plagioclase with a little microcline, minor amounts of quartzs, muscovite, small garnets.The footwall feldspatic zone is 7 to II feet thick; The hanging wall feldpatic zone is mostly about 3 feet thick, but rarely it is absent and the massive quartz lies next to the hanging wall.

Mica from the Rocky Face mine is clear ruby of very good quality. Some of the sheets are slightly wavy, but staining and other imperfections are not conspicious. Sheets of relatively large size have been obtained from some mica books mined from the pegmatite of the Rocky Face mine.

Form MF-100
(May 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2533

Date received 5-19-52

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1952

Fred Wilson,
Franklin, N. C.,

John VanWerry,
1800 North Jefferson St.,
Arlington, Va.,

Name and address of applicant

Date

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Ruby Mica, clear, and slightly stained,
   (*b*) What are the byproducts, if any? Feldspar, sand, scrap Mica,
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts. 1 shaft sunk 70 ft., but not deep enought to strike vein
   (*b*) Linear feet of drifts and crosscuts. 200 ft., old surface works,
   (*c*) Linear feet of tunnels or adits. 400 ft.
   (*d*) Linear feet of other mine openings (explain briefly). 200 ft., deep tunnell appr. 100ft. to vein,
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 12 miles Franklin, 15 to Sylva,
   (*b*) Mining district. Sylva, Franklin,
   (*c*) Township, Section, Range. Mills-Shoals, Rocky-Face, Cowee,
   (*d*) County, State. Macon, N. C.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production .....
   If not in production or operation, estimated date when production will begin ~~90 days after exploration~~ work begin,
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. 20 years Mica Mining, shooting, trading, a general mining, geology, mineralogy, prospecting,
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. old workings, 8 years to 50 ago,
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Rocky-Face Knob Mica Mines by W.C.Stoll and J.M.Parker III attached sheet, all Mica in all mines on this Mt., clear Ruby.

16—63792-2

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

CENTRAL INFORMATION BUREAU

Fred Wilson,
Franklin, North Carolina ,

John VanNoy
2000 North Jefferson St.,
Arlington, Va.,

1. (a) Ruby Mica clear and slightly stained, 1/2 I and 1/2 quality sheet Mica.
   (b) Scrap Mica, Feldspar,

2 Dig A Mine, Little Rock, Rocky-Face, Hell-Argoll, Spread-Out Mica mines
These mines on the land covered by this lease, within 2000 ft., diameter.
   (a) I shaft sunk 70 ft but not deep enough to strike the veins
   (b) 500 ft old surface works,
   (c) 400 ft., surface works, lower tunnell 500 ft., appr., 250 to go to strike vein this will be Appr., 00 ft., deeper than upper tunnell, lower tunnell run appr. 500 ft., west under vein dipping south east, stopped up 00 ft., struck vein, cross cut vein 50 ft mass quartz, then 50 ft., Mica pegmatite small pocks, this portion of mine open, want to continue this lower tunnell 200 ft., to vein, then cross cut 00 ft., this description is the Dig A Mica Mine, only mine to be worked with the Exploration Loan application papers attached.
   (d) the above lower tunnell and stope drained the mine this the Dig A Mine.

3. (a) 25 miles Franklin, 15 miles Sylva, N.C.,
   (b) Sylva, Franklin,
   (c) Mills-Shoals, Rocky-Face, Cowee,
   (d) Macon County, N. C.,

4. (a) Leased, 5 year lease. not in operation.

5. 00 days after Exploration work is begun.

6. 0 years Mica Mining, sheeting grading. General Mining, Geology, Mineralogy, Prospecting.

7. (a) Lower tunnell work done 2066 and 2075 tunnell sun appr., 2.0 ft to vein from that tunnell level, to continue tunnell. 2050 large mica shoot upper tunnell
   (b) The Rocky-Face Mica Mine, on this property, from which Mica was mined and sold to the Colonial Mica Corporation, agents of the Hotel reserve Co., in 2000 2014 and 2045. same mine was worked in 2050 2050 2040 and as far back as 50 years ago.

(c) report on rocky-face know mines attached

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads: Highway Sylva Dillsboro Franklin, Highway 23 truck road to mine.
Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: water available for wet drills, and other use.
State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:
State amount of power used, rate per hour, and source thereof. Power line through gap of Cowee Mt., 1000 ft., below.

16. Labor: good supply of good mining men and Mica sheeters.
State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: lower tunnell open and well timbered to the hard rock No buildings at mine, will build storage and tool houses.
Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
only in the Rocky-Face Mine another party owns a ¼ interest and I dont have his subordination agreement signed all other mines on the big "A" mine property which I have full rights to.

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.

Fred Wilson

By John Van Wery
(Signature of authorized official)

(Name of company)

(Date)

(Title)

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

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

Return this original and 1 copy.

NORTH CAROLINA
MACON COUNTY

THIS LEASE AGREEMENT, Made this 28th day of January 1952 by and between Bell Odell, Austin Newton Browning, James R. Browning, parties of the First part, and Fred Wilson party of the Second party.

WITNESSETH

That on the payment of $1.00 by the party of the second part, receipt of which is hereby acknowledged by the parties of the first part, and other valueable considerations as hereinafter contained on the part of the party of the second part his heirs or assigns to be performed, the parties of the first part their heirs hereby leases unto the party of the second part heirs or assigns, the Mica mining preveleges, mining rights, ingress and egress, and from any adjoining lands they may own, timber for mining purposes, water rights for mining purposes, the right to errect buildings for mining purposes, to build roads, to remove mica and other minerals from mine dumps, the use of old roads built for the purpose of ingress and egress to The Big A Mica mine and all other mines on the lands of William Browning, all of these rights, and the Mica and mineral interest was Deeded to the parties of the first part to this agreement by William Browning, the description of the land that these rights and mineral interest was excepted as follows. Beginning at a beach 173 poles from the North west corner of 123 the begining corner of State Grant #_____ to William Young assignee of Walter Sorrells dated December 30 1840; runs thence North 41 degrees west 82 poles to a small black oak now down a iron pipe now replaces same on the North west side of the Rocky-face Mt., thence North 70 degrees East 102 poles to a locust, thence South 41 degrees East 44 poles to a red oak, thence in a South direction to a willow tree on the North side of h the Franklin, Dillsboro, Highway and across the new highway to the old road and with the meanders of the old road in a western direction to the beginning this mining lease is for a term of five 5 years fron the above date, on the following terms and conditions.

1st Party of the second part, heirs or assigns agree to pay to the party of the first part or heirs a royalty of 10 percent on the gross sales on all Mica, sheet mica, circle mica, punch mica, and scrap mica, and Feldspar and all other minerals mined and sold, and all Mica, Feldspar , and other minerals removed from dumps tailings from mines on the above named lands and descriptian as above described, this royalty of 10% to be paid not later than the 15th of each month on all Mica or other minrals sold the preceding month.

2nd Party of the second part heirs or assigns, hereby agree to pay to the party of the first part at the end of each 3 month period from the date of this agreement for the full 5 year term of this lease, a payment of $100.00 each $300.00 if earned royalty does not amount to $300.00 in any 3 month period then the difference to be paid to amount to $100.00 each $300.00 if the royalty due and paid to the parties of the first part exceed $300.00 in any 3 month period then credit is due to the next $300.00 payment, or suceeding payments, all royalty due each month shall be paid as in paragraph 1 above, all money paid as on this guaranteed amount at the end of every 3 months shall be credited to royalty due, if no mining is done or no Mica or minerals are mined or sold during any 3 month period then the full payment of $100.00 each $300.00 shall be paid to the parties of the first part, It is agreed by the party of the Second part that this $300.00 will be paid $100.00 sent to each party of the First part, as soon as the Government pass on the Exploration loan, for the first 3 month period, the 2nd payment then will be due at the end of the 2nd 3 month period 6 months from the date of this lease.

3rd That it is understood by all parties to this lease that Mack Higdon owns a ¼ interest in the Mica and mineral interest in the Rocky-face Mica mine begining at the iron stake on the North West side of the Rocky-face mica mine, runs thence North 70 degrees East 25 poles to a stake, thence South to the Highway or the begining corner of the Browning tract as above described, thence North 41 degrees 82 poles to the begining all mica veins within this Boundry are called the Rocky-face Mica Mines, the parties of the First part to this agreement are giving me the right to work this mine, all Mica mines and all other minerals within this boundry, and all mining rights, I am to pay them 3/4 of the royalty, and ¼ to Mack Higdon, a 10% of the gross sales on all Mica, Sheet, Circle, Punch, and scrap Mica, Feldspar, and all other minerals mined and sold from this boundry, and such portion of the Rocky-face mica mine dump that is on this boundry on the inside of the Browning track, the Rockyface mines, to the West and adjoining the Browning lands which include the grater portion of the Rocky-face Mica mine dump, the boundaries of this land as registered in the Register of Deeds Office, Book of Deeds #X7 page #557 3/4 of this land is now owned by Bell Odell a party of the First pa rt to this lease the parties of the First part give me the right to work this dump, and the right to dump the muck from the Rocky-face mines, ingress and egress, and the right to mine Mica and minerals that may be found on this Possetion right land.

4 The duration of this Lease shall be for 5 years from the date hereof, and in addition to the rights to mine and operate the Big A Mica Mine The Little Rock Mica Mine, The Spreadout Scrap Mica Mine, The Mell Angle Mica Mine, and all other mines that may be found to the boundary of the Rocky-face Mines, as described in paragraph 3 hereafter all of these mines will be refered to as The Big A Mica Mines, all the Royalty will be paid to the parties of the First part, All records of all Mica and other minerals mined and sold, Cost of all mining operations, machinery and equiptment, Building of Roads within the Boundary of this A Mine, shall be kept seperate from the Record on The Rocky-Face Mica Mines, and the Record on all Mica, Feldspar, removed and sold from The Rocky-face Mica Mine Dump,

5 And in addition to operate the Big A Mines, and The Rocky-face Mine on the terms and conditions and the Party of the Second part Heirs or Assigns shall also have the right for the full price of $30.000.00 to be paid on or before 2 years from the above date of this lease; to buy the Mineral Interest and all mining rights as described in this lease, and all ingress and ingress and dumping right below the Rocky-face Mica Mine. as described in this lease.

6 A record of all Mica, Feldspar, and other minerals mined and sold shall be kept by the party of the second part heirs or assigns, and such record shall be open for inspection to the parties of the First part at any time, the record to the Rockyface Mica mines shall also be open to the inspection of Mack Higdon, and the parties of the first part to this lease, the party of the second part heirs or assigns shall comply with all terms of this lease, any default in any term of this lease by the party of the second part, then the parties of the First part are to give the party of the second part heirs or assigns 30 days to rectify such default.

To have and to hold said Mica and mining privileges hereunto set forth according to the terms hereof, unto the the said party of the second part his heirs and assigns, to their own use and behoof.

In Testimony Whereof, the parties hereunto have set their hands and affixed their seals the day and year first above written.

Witness C. S. Harris

Bell Odell SEAL
Bell Odell,
Austin Browning SEAL
Austin Newton Browning
His X mark James Robert Browning SEAL
Tommy Odell SEAL
Tommy Odell,
holding Deed of trust on
James Robert Browning ~~1/3~~
I/3 interest
Fred Wilson

Tenn.,
Monroe County

I C. S. Harris, Notary Public of the aforesaid County and State, hereby certify that personally appeared before me this day, Bell Odell, ~~Austin Newton Browning~~, James Robert Browning, Tommy Odell, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed Witness my hand and notarial seal, this 2nd. day of February, 1952. My commission expires October 18, 1955.

C. S. Harris
Notary Public.

North Carolina
Macon County

I Lewis Gibson Notary Public of the aforesaid County and State, hereby certif that personally appeared before me this day, Austin Newton Browning, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed. Witness my hand and Notarial seal this 11th day of February 1952. My commission expires December 22, 1953.

Lewis Gibson
Notary Public.

Commonwealth Of Virginia.
Arlington County
I C. E. Ashlock Notary Public of the aforsaid County and Commonwealth Of Va herby certify that personally appeared before me this day Fred Wilson, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed. My commission expires My Commission Expires May 8, 1953.

Notary Public

7 We want no dumping of refuse or other materials from other mines upon the lands affected by this lease. We also want the mining upon these land done in keeping with the customary rules and usages of mining of this type. We hereby give the operator authority to open tunnels, build roads and houses where necessary for use in connection with said operations, and also the rights to do all necessary prospecting for new veins of mineral on the said lands including the 3/4 interest of Bell Odell with the right to use the same in any deemed fit and necessary in said mining, subject to the above requirements.

It is understood that these parties have the exclusive mineral rights to said lands, the fee to which is held by Charlie Bryson, and hereby lease said mineral rights as set out in the accompanying lease over all the said lands which was deeded to Stella Bryson by her father, William Browning.

4

NORTH CAROLINA
MACON COUNTY

The foregoing certificates of C. S. Harris, Notary Public of Monroe County, Tenn.; Cecile Gibson, Notary Public of Macon County, North Carolina and C. E. Ailstock, Notary Public of Arlington County, Commonwealth of Virginia all attested by their notarial seals, are adjudged to be correct. Therefore let the instrument, with the certificates, be registered.

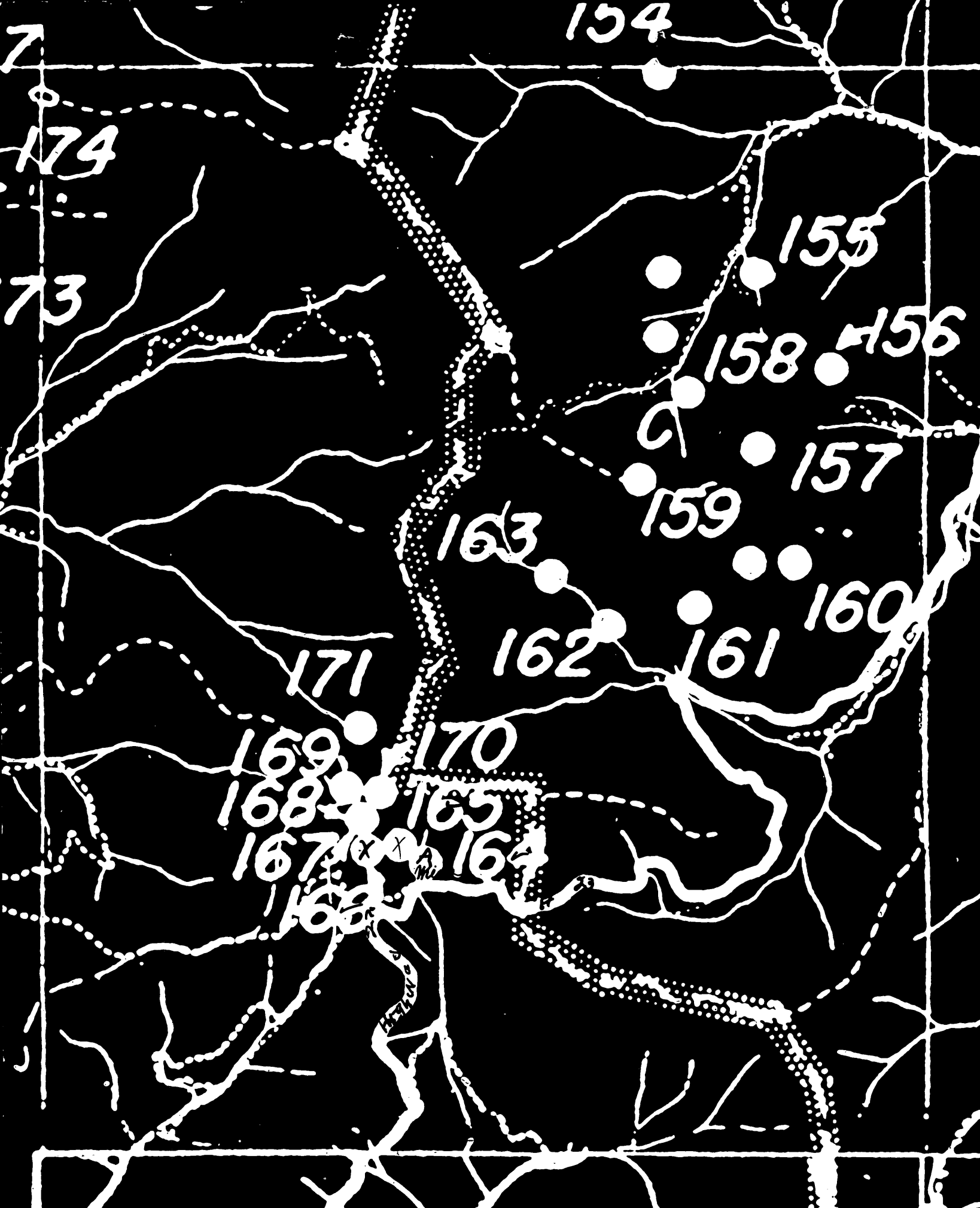
WITNESS my hand and official seal, this 4 day of March, 1952.

Kate McGee
Clerk Superior Court
Macon County, N. C.

Filed for registration on the 4 day of March 1952, at 1:00 o'clock P M., and registered and verified in the office of the Register of Deeds for Macon County in Book No. A-6 Page 394

This 4 day of March 1952

Robert Sharpe
Register of Deeds for Macon County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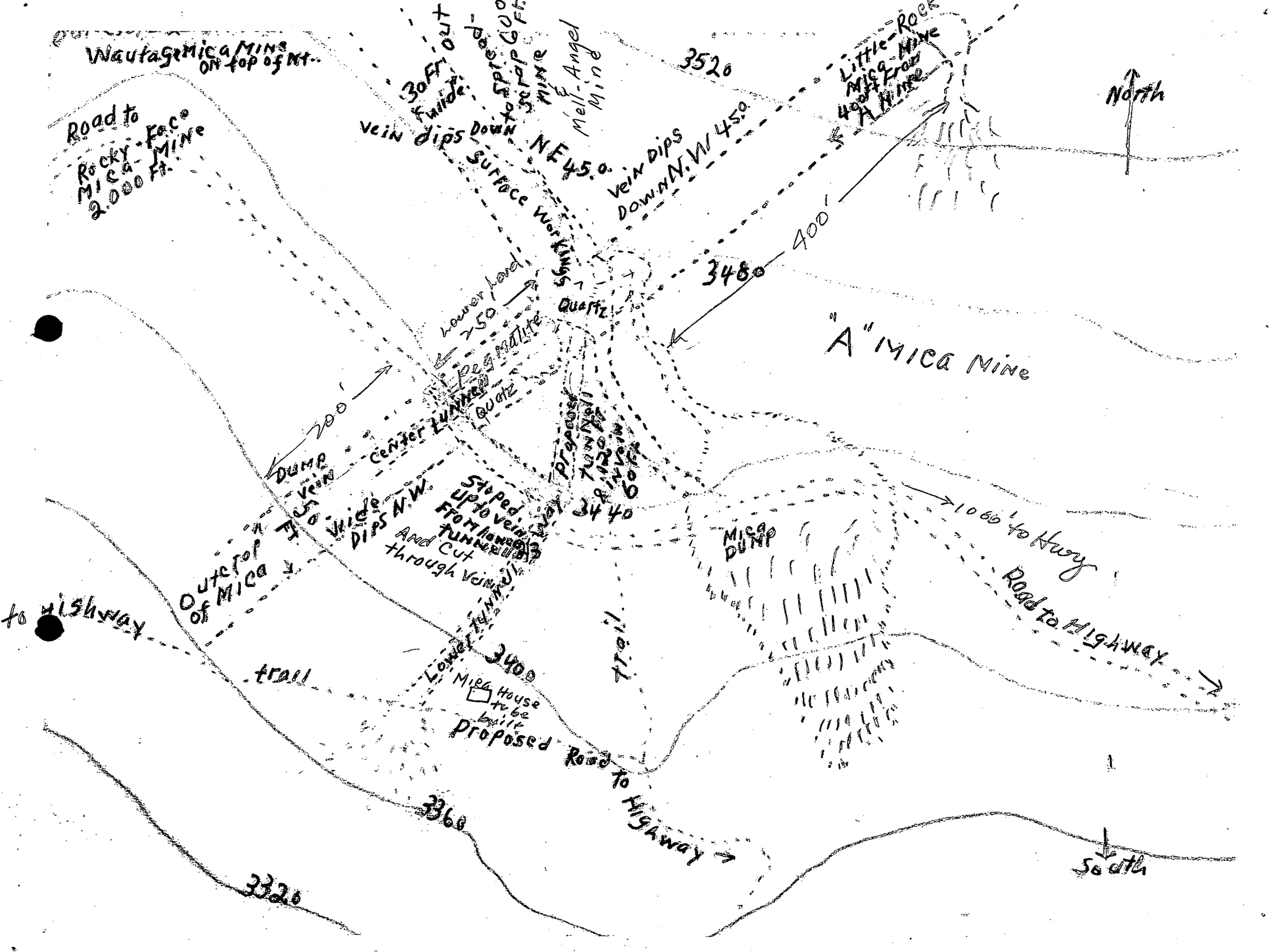
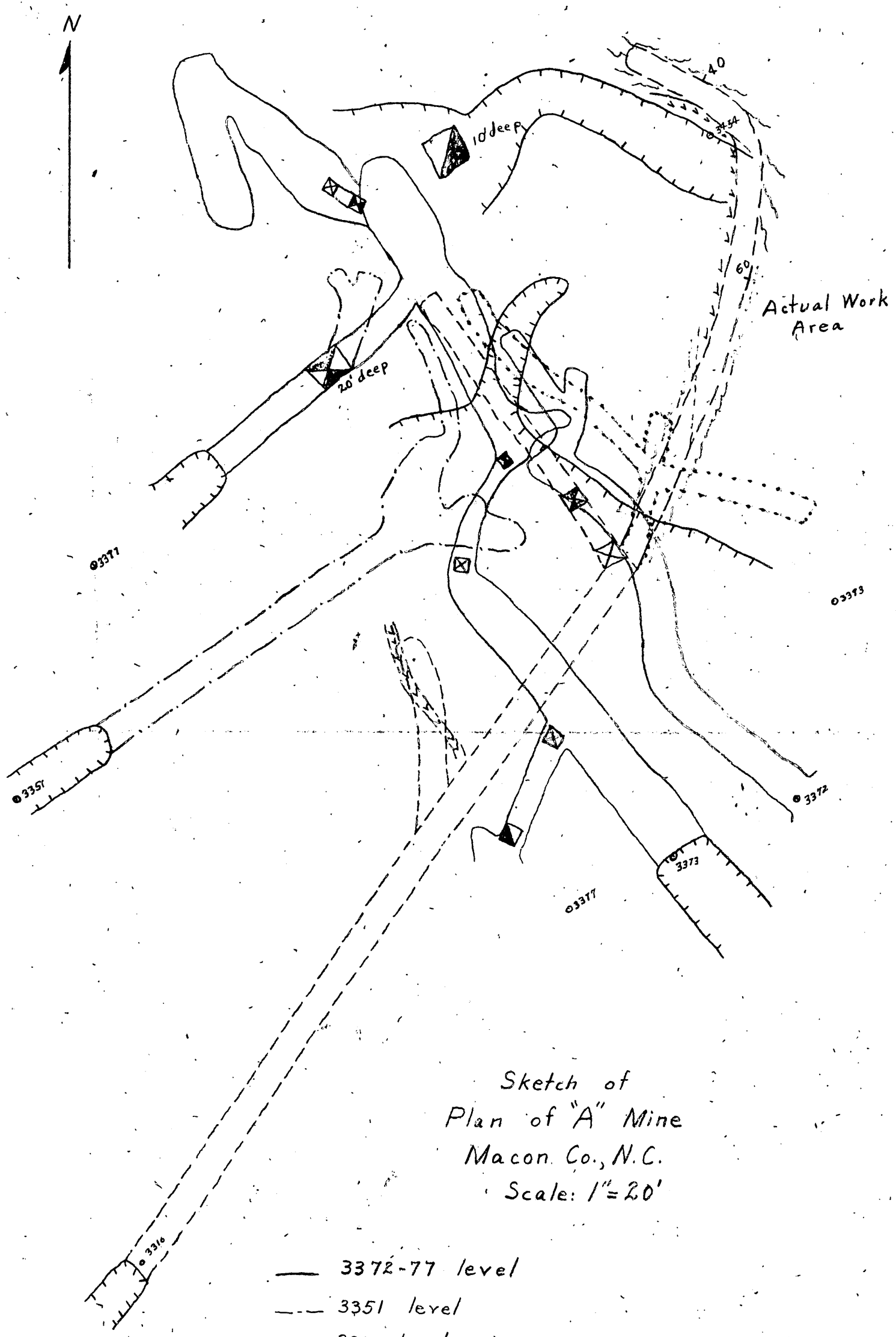

Wautage Mica Mine on top of Mt.
Road to Rocky Face Mica Mine 2,000 ft.
30 ft. out wide
Vein dips Down NE 45°
Surface Workings
Mell-Angel Mine
3520
Little Rock Mica Mine 400 ft. from A Mine
North
Vein Dips Down N.W. 45°
400'
3480
Lower Level 250
Pegmatite
Quartz
"A" Mica Mine
200'
Dump
Center Tunnel
Quartz
Proposed Tunnel 1120 ft. in vein 60 ft.
Stoped up to vein from lower tunnel and cut through vein
Vein 5 to 8 wide Dips N.W.
3440
Outcrop of Mica
Mica Dump
1060 to Hwy
Road to Highway
to Highway
trail
Lower Tunnel
3400
Mica House to be built
Proposed Road to Highway
Trail
3360
3320
South



Sketch of
Plan of "A" Mine
Macon Co., N.C.
Scale: 1" = 20'

—— 3372-77 level
—·— 3351 level
---- 3316 level
..... Proposed work from 3316 level

DMEA-2533

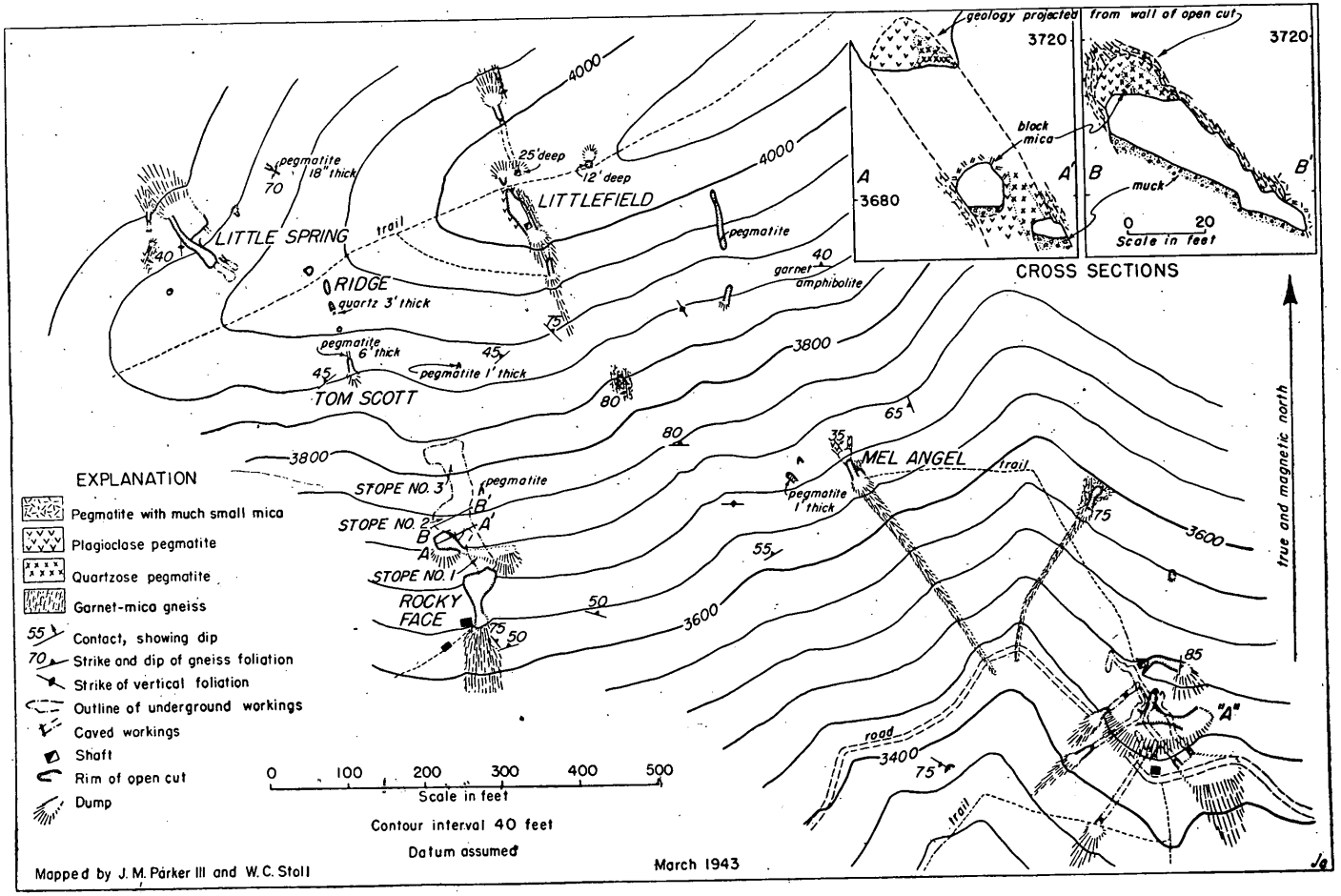


FIG. 5.—MAP AND SECTIONS OF THE ROCKY FACE MINE, MACON COUNTY.

The main group of workings (pl. 16) consists of an open-cut 100 feet long, as much as 45 feet wide, and 75 feet deep at the face. An adit extends northeast for 65 feet from the northeastern corner of the cut. From the end of the adit a crosscut is inclined upward and to the east for 20 feet. A large, irregular stope 65 feet long and as much as 25 feet high extends toward the northeast from the northwestern corner of the cut. Seventy-five feet south of the main open-cut is a caved adit. As its dump contains no pegmatitic debris, the adit probably did not reach any pegmatite. About 200 feet southwest of the open-cut, and beyond the mapped area, are two shallow, irregular cuts and several caved adits.

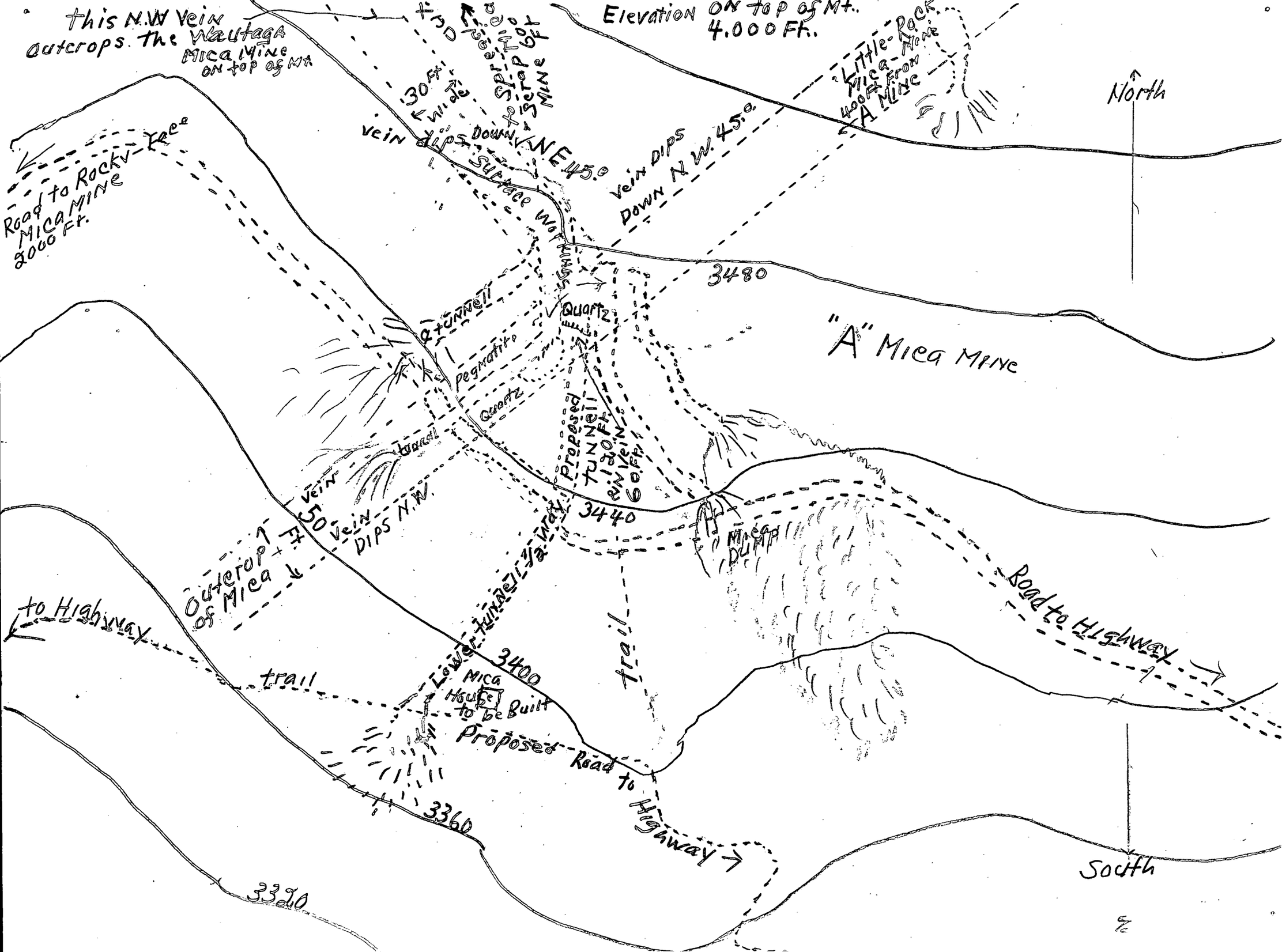
The country rock is a fine-grained quartz-biotite gneiss, whose foliation strikes northeast and dips steeply northwest to vertical. Near the main pegmatite body many stringers of quartz are present in the foliation planes of the gneiss. The pegmatite body is Y-shaped in cross section. The two arms of the Y converge near the bottom of the face of the open-cut to form a trough, the axis of which plunges to the southwest at a low angle. The two arms of the Y are exposed on the upper parts of the face and crop out northeast of the cut. They strike northeast and are vertical. The pegmatite has been explored over a length of 170 feet and a vertical distance of 120 feet. The stem of the Y has a maximum thickness of 20 feet, and the arms range in thickness from 3 to 5 feet.

The pegmatite consists chiefly of plagioclase with varying amounts of biotite, quartz, and muscovite. In general biotite is the most abundant mineral, forming as much as 60% of the rock in some places. It occurs in warped books as much as 8 inches in diameter and in dense aggregates of small flakes. Some of the plagioclase occurs as euhedral crystals "wrapped" in sheets of biotite that are curved to follow the outlines of each crystal. Thin, discontinuous quartz ribs were noted in the south end of the stope from the open-cut.

The most important mica concentration appears to have been along the west wall of the stem of the Y, and was mined in the open-cut and in the adit from the cut. A subordinate mica zone is exposed in the crosscut from the adit 10 feet west of the eastern contact of the stem of the Y. In addition, books of mica occur in both arms of the Y, but they are only locally abundant. The mica is dark brown and occurs in books as much as 6 inches in diameter. The average diameter, however, is less than 3 inches. The crystals are commonly euhedral and are unusually hard. Very little of the mica is warped, but reeves are common. Nearly all of the books contain a central core of light-spotted mica. Although much of the muscovite is closely associated with abundant biotite, intergrowths of muscovite and biotite are uncommon.

SHEPHERD KNOB MINE

J. C. OLSON


this N.W Vein outcrops. the Wautaga Mica Mine on top of Mt.
Elevation on top of Mt. 4,000 Ft.
Little Rock Mica Mine 400 Ft. from "A" Mine
North
30 Ft. wide
Spring 100 Ft. from Mine
vein dips Down N.E. 45°
Vein DIPS Down N.W. 45°
Road to Rocky Face Mica Mine 2000 Ft.
Surface Workings
3480
Quartz
a tunnel
Pegmatite
Quartz
hard
"A" Mica Mine
Proposed tunnel 120 Ft. in vein 60 Ft.
Vein
50 Ft.
Vein DIPS N.W.
3440
Mica Dump
Outcrop of Mica
to Highway
Road to Highway
trail
Lower tunnel 1/2 mile
3400
Mica House to be Built
trail
Proposed Road to Highway
3360
3320
South

NORTH CAROLINA
MACON COUNTY

THIS LEASE AGREEMENT, Made this 28th day of January I952 by and between Bell Odell, Austin Newton Browning, James R. Browning, parties of the First part, and Fred Wilson party of the Second party.

WITNESSETH

That on the payment of $I.00 by the party of the second part, receipt of which is hereby acknowledged by the parties of the first part, and other valueable considerations as hereinafter contained on the part of the party of the second part his heirs or assigns to be performed, the parties of the first part their heirs hereby leases unto the party of the second part heirs or assigns, the Mica mining preveleges, mining rights, ingress and egress, and from any adjoining lands they may own, timber for mining purposes, water rights for mining purposes, the right to errect buildings for mining purposes, to build roads, to remove mica and other minerals from mine dumps, the use of old roads built for the purpose of ingress and egress to The Big A Mica mine and all other mines on the lands of William Browning, all of these rights, and the Mica and mineral interest was Deeded to the parties of the first part to this agreement by William Browning, the description of the land that these rights and mineral interest was excepted as follows. Beginning at a beach I73 poles from the North west corner of I23 the begining corner of State Grant #_____ to William Young assignee of Walter Sorrells dated December 30 I840; runs thence North 4I degrees west 82 poles to a small black oak now down a iron pipe now replaces same on the North west side of the Rocky-face Mt., thence North 70 degrees East I02 poles to a locust, thence South 4I degrees East 44 poles to a red oak, thence in a South direction to a willow tree on the North side of the Franklin, Dillsboro, Highway and across the new highway to the old road and with the meanders of the old road in a western direction to the beginning this mining lease is for a term of five 5 years fron the above date, on the following terms and conditions.

Ist Party of the second part, heirs or assigns agree to pay to the party of the first part or heirs a royalty of I0 percent on the gross sales on all Mica, sheet mica, circle mica, punch mica, and scrap mica, and Feldspar and all other minerals mined and sold, and all Mica, Feldspar , and other minerals removed from dumps tailings from mines on the above named lands and description as above described, this royalty of I0% to be paid not later than the I5th of each month on all Mica or other minrals sold the preceding month.

2nd Party of the second part heirs or assigns, hereby agree to pay to the party of the first part at the end of each 3 month period from the date of this agreement for the full 5 year term of this lease, a payment of $I00.00 each $300.00 if earned royalty does not amount to $300.00 in any 3 month period then the difference to be paid to amount to $I00.00 each $300.00 if the royalty due and paid to the parties of the first part exceed $300.00 in any 3 month period then credit is due to the next $300.00 payment, or suceeding payments, all royalty due each month shall be paid as in paragraph I above, all money paid as on this guaranteed amount at the end of every 3 months shall be credited to royalty due, if no mining is done or no Mica or minerals are mined or sold during any 3 month period then the full payment of $I00.00 each $300.00 shall be paid to the parties of the first part, It is agreed by the party of the Second part that this $300.00 will be paid $I00.00 sent to each party of the First part, as soon as the Government pass on the Exploration loan, for the first 3 month period, the 2nd payment then will be due at the end of the 2nd 3 month period 6 months from the date of this lease.

3rd That it is understood by all parties to this lease that Mack Higdon owns a ¼ interest in the Mica and mineral interest in the Rocky-face Mica mine begining at the iron stake on the North West side of the Rocky-face mica mine, runs thence North 70 degrees East 25 poles to a stake, thence South to the Highway or the begining corner of the Browning tract as above described, thence North 4I degrees 82 poles to the begining all mica veins within this Boundry are called the Rocky-face Mica Mines, the parties of the First part to this agreement are giving me the right to work this mine, all Mica mines and all other minerals within this boundry, and all mining rights, I am to pay them 3/4 of the royalty, and ¼ to Mack Higdon, a I0% of the gross sales on all Mica, Sheet, Circle, Punch, and scrap Mica, Feldspar, and all other minerals mined and sold from this boundry, and such portion of the Rocky-face mica mine dump that is on this boundry on the inside of the Browning track, the Rockyface mines, to the West and adjoining the Browning lands which include the grater portion of the Rocky-face Mica mine dump, the boundaries of this land as registered in the Register of Deeds Office, Book of Deeds #X7 page #557 3/4 of this land is now owned by Bell Odell a party of the First part to this lease the parties of the First part give me the right to work this dump, and the right to dump the muck from the Rocky-face mines, ingress and egress, and the right to mine Mica and minerals that may be found on this Possetion right land.

4 The duration of this Lease shall be for 5 years from the date hereof, and in addition to the rights to mine and operate the Big A Mica Mine The Little Rock Mica Mine, The Spreadout Scrap Mica Mine, The Moll Angle Mica Mine, and all other mines that may be found to the boundary of the Rocky-face Mines, as described in paragraph 3 hereafter all of those minos will be refered to as The Big A Mica Mines, all the Royalty will be paid to the parties of the First part, All records of all Mica and other minerals mined and sold, Cost of all mining operations, machinery and equiptment, Building of Roads within the Boundary of this A Mine, shall be kept seperate from the Record on The Rocky-Face Mica Mines, and the Record on all Mica, Feldspar, removed and sold from The Rocky-face Mica Mine Dump,

5 And in addition to operate the Big A Mines, and The Rocky-face Mine on the terms and conditions and the Party of the Second part Heirs or Assigns shall also have the right for the full price of $30.000.00 to be paid on or before 2 years from the above date of this lease; to buy the Mineral Interest and all mining rights as described in this lease, and all ingress and ingress and dumping right below the Rocky-face Mica Mine. as described in this lease.

6 A record of all Mica, Feldspar, and other minerals mined and sold shall be kept by the party of the second part heirs or assigns, and such record shall be open for inspection to the parties of the First part at any time, the record to the Rockyface Mica mines shall also be open to the inspection of Mack Higdon, and the parties of the first part to this lease, the party of the second part heirs or assigns shall comply with all terms of this lease, any default in any term of this lease by the party of the second part, then the parties of the First part are to give the party of the second part heirs or assigns 30 days to rectify such default.

To have and to hold said Mica and mining privileges hereunto set forth according to the terms hereof, unto the the said party of the second part his heirs and assigns, to their own use and behoof.

In Testimony Whereof, the parties hereunto have set their hands and affixed their seals the day and year first above written.

Bell Odell SEAL
Bell Odell,
Austin Browning SEAL
Austin Newton Browning
His James Robert Browning SEAL
mark James Robert Browning
Tommy Odell SEAL
Tommy Odell,
holding Deed of trust on
James Robert Browning 1/3
1/3 interest
Fred Wilson

Witness C. S. Harris

Tenn.,
Monroe County

I C. S. Harris, Notary Public of the aforesaid County and State, hereby certify that personally appeared before me this day, Bell Odell, ~~Austin Newton Browning~~, James Robert Browning, Tommy Odell, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed Witness my hand and notarial seal, this 2nd. day of February, 1952. My commission expires October 18, 1955.

C. S. Harris
Notary Public.

North Carolina
Macon County

I Lewis Gibson Notary Public of the aforesaid County and State, hereby certify that personally appeared before me this day, Austin Newton Browning, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed. Witness my hand and Notarial seal this 11th day of February 1952. My commission expires December 22, 1953.

Lewis Gibson
Notary Public.

Commonwealth Of Virginia.
Arlington County
I C. E. Abbot Notary Public of the aforsaid County and Commonwealth Of Va herby certify that personally appeared before me this day Fred Wilson, who acknowledged the due execution of the foregoing instrument for the purpose therein expressed. My commission expires My Commission Expires May 8, 1953.

Notary Public

7 We want no dumping of refuse or other materials from other mines upon the lands affected by this lease. We also want the mining upon these land done in keeping with the customary rules and usages of mining of this type. We hereby give the operator authority to open tunnels, build roads and houses where necessary for use in connection with said operations, and also the rights to do all necessary prospecting for new veins of mineral on the said lands including the 3/4 interest of Bell Odell with the right to use the same in any deemed fit and necessary in said mining, subject to the above requirements.

It is understood that these parties have the exclusive mineral rights to said lands, the fee to which is held by Charlie Bryson, and hereby lease said mineral rights as set out in the accompanying lease over all the said lands which was deeded to Stella Bryson by her father, William Browning.

4

NORTH CAROLINA
MACON COUNTY

The foregoing certificates of C. S. Harris, Notary Public of Monroe County, Tenn.; Cecile Gibson, Notary Public of Macon County, North Carolina and C. E. Ailstock, Notary Public of Arlington County, Commonwealth of Virginia all attested by their notarial seals, are adjudged to be correct. Therefore let the instrument, with the certificates, be registered.

WITNESS my hand and official seal, this 4 day of March, 1952.

Kate McGee
Clerk Superior Court
Macon County, N. C.

Filed for registration on the 4 day of March 1952, at 1:00 o'clock P.M., and registered and verified in the office of the Register of Deeds for Macon County in Book No. 7-6, Page 394

This 4 day of March 1952

Robert Thomas
Register of Deeds for Macon County

2. (B)

[illegible]

sign and return
MF-202 these papers.

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain Mineral interest parcel of ground in the county of Macon, State of North Carolina, described in a certain Exploration Project Contract dated January 28th 1952, 195__, between Fred Wilson,

the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated Jan., 28/1952, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

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

Dated this 2nd day of February, 1952

Bell Odell
Bell Odell,

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

Austin Browning
Austin Newton Browning

Witness R. Harris

his X James R. Browning
Mark James R. Browning,

Tommy Odell
Tommy Odell

Sign and return
MF-202 then papers

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Dated this 2nd day of February, 195...

Bell Odell,

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

Austin Browning
Austin Newton Browning

Witness

his James R. Browning
Mark James R. Browning,

Tommy Odell
Tommy Odell

Sign and return
MF-202 then papers.

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Dated this 2nd day of February, 195...

Bell Odell
Bell Odell,

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

Austin Browning
Austin Newton Browning

Witness [illegible]

his James R. Browning
Mark James R. Browning,

Tommy Odell
Tommy Odell

sign and return
MF-202 then papers.

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Dated this 2nd day of February, 195..

Bell Odell
Bell Odell,

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

Austin Browning
Austin Newton Browning

Witness

his James R. Browning
Mark James R. Browning,

Tommy Odell
Tommy Odell

sign and return
Ethel Pepper

MF-202

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Dated this 2nd day of February, 1952

Bell Odell
Bell Odell,

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

Austin Browning
Austin Newton Browning

Witness R. Harris

his Mark James R. Browning
James R. Browning,

Tommy Odell
Tommy Odell

N 41 W 16.5
8 2 poles
1330
1353.0

S 41 E 44 poles
5 acres hilly
to cleared land
to measured [illegible]
to beginning

16.5
10 2
33 0
330
165.0

16.5
44
660
660
726.0

1250

1375

Form 6-30
UNITED STATES
DEPARTMENT OF THE INTERIOR
~~BUREAU OF MINES~~

DEFENSE MINERALS ADMINISTRATION

OFFICIAL BUSINESS

16—47319-2

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(GPO)

Mr. J. H. East, Jr.
Executive Officer
DMA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado