Docket Copy

Hook
Chamberlain
Potter
DeKane 10/15/53

TERMINATION OF EXPLORATION PROJECT CONTRACT BY AGREEMENT
AFTER COMMENCEMENT BUT BEFORE COMPLETION OF THE WORK

It is agreed this 5th day of October, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Grigg and West Company, a partnership composed of B. W. Grigg and H. C. West, Mars Hills, North Carolina, hereinafter called the "Operator," parties to that certain Exploration Project Contract I-dm-E 435, Docket No. DMEA-2677, dated 4th November 1952, that the said contract shall be and is hereby terminated as of the first date above written.

Any work prosecuted or costs incurred by the Operator after the date first above written shall be for the sole account of the Operator, except for (a) such necessary and reasonable costs and expenses as may be incurred in preserving and disposing of any facilities, buildings, fixtures, equipment, or other items, to the cost of which the Government has contributed and in which the Government has an equity, and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract.

The undersigned Operator hereby releases and agrees to save harmless the Government from all claims and demands under or arising out of said Exploration Project Contract, except as herein expressly otherwise provided.

Witness the following signatures as of the day and year first above written.

UNITED STATES OF AMERICA

By Robert A. Lawrence
Executive Officer, DMEA-Region 7

GRIGG & WEST
(Operator)

By B W Grigg
B. W. Grigg

By H. C West
H. C. West

18262-1

Docket cy

2/11/53

IMEA-2677, Idm-E435 (mica)

B.W.G.
H.C.W.

AMENDMENT No. 1

Exploration Project Contract Idm-E435, Docket No. IMEA-2677, GRIGG and WEST COMPANY, a partnership composed of B.W. Grigg and H. C. West, Mars Hill, North Carolina , dated the 4th day of November 1952, is hereby amended as follows:

RAL

Item 3 is amended to read, "The Operator, ..... .....; and shall bring the project to completion within a period of ~~eleven~~ nine months (~~11~~) from the date of the contract," instead of six (6) months as written in original contract.

This amendment is necessary because access to the property during the winter months is practically impossible and the project should be recessed during the winter months.

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 cost which the Government may be obligated to pay, under the provisions of Article 8 of the contract form.

GRIGG and WEST COMPANY

By: B W Grigg
Partner

By: H. C West
Partner

THE UNITED STATES OF AMERICA

By Robert A. Laurence
Robert A. Laurence,
Executive Officer, IMEA, Reg. 7

Dated: December 30, 1952

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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 1953

(*b*) The Government's payments in all cases will be based on actual, necessary costs (including contract unit prices) incurred not in excess of any "allowable maximum," and not in excess of the fixed percentage of the total aggregate estimated cost. Costs will be considered to be incurred only as they are or become due and payable.

(*c*) No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes) or any other indirect costs, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

ARTICLE 7. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operators shall provide the Government with monthly reports of work performed and costs (including contract unit prices) incurred 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 costs incurred 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.

(*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 operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account as provided in Article 12.

ARTICLE 8. *Payments by the Government.*—(*a*) The Government will pay ninety percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $8,685.00, which is ninety percent of $9,650.00, 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 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.

(*b*) The Government may make any payment or payments direct to independent contractors and to suppliers, for the account of the Operator, rather than to the Operator.

ARTICLE 9. *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 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 10. *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 11. *Title to and disposition of property.*—All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

ARTICLE 12. *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. Upon the completion of the project or any termination of the contract the Operator shall dispose of any remaining materials, supplies, facilities, buildings, fixtures, and equipment in which the Government has an interest, for the joint account of the Operator and the Government in the proportion of their respective interests; shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; and shall pay to the Government its pro rata share of any money remaining.

ARTICLE 13. *Changes and added provisions.* The Operator's obligation to bring the project to completion continues only as long as the accumulated allowable costs of the project in which the Government will participate do not exceed the agreed, total estimated cost of the project set forth in Article 8.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By [signature]
Administrator, Defense Minerals Exploration Administration

GRIGG AND WEST COMPANY
(Operator)

By [signature] (Partner)

By H. C. West
Partner

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—66328-1

MF-200
(June 1951)
(Revised Feb. 1952)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 14 1952

DOCKET NO. DMEA 2677

COMMODITY Strategic mica

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

Docket copy
IDM-E 435

# EXPLORATION PROJECT CONTRACT[1]

IT IS AGREED this 4th day of November, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Grigg and West Company, a partnership composed of B. W. Grigg and H. C. West, Mars Hill, 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 Yancey, described as follows:[3] As set forth in Annex I

the Operator represents and undertakes:[4]

(*a*) ~~That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is 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 thirty days from the date of this contract shall commence work on a project of exploration for[5] strategic mica

in or upon the described land; and shall bring the project to completion within a period of 6 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.

ARTICLE 4. *Performance of the work.*—(*a*) *Operator's responsibility.* The work shall be performed efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmens' compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. To the extent specified in Exhibit "A," attached hereto, the work may be performed by independent contractor or contractors; and work not specified in Exhibit "A" for performance by independent contractor may nevertheless be so performed upon amendment of Exhibit "A," as agreed to by the parties, to state the work to be so performed and the estimated unit costs thereof, as provided hereafter.

(*b*) *Independent contracts.*—Any independent contract for the performance of work shall be on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved), or on some basis that will indicate the amount due for work performed at any stage of the work to be performed under such independent contract. The Government shall not be nor be considered to be a party to any such independent contract, and the Government's right to terminate the exploration project contract under any of its provisions shall not in any manner be affected by reason of any such independent contract. If the reference in Exhibit "A" to any such independent contract states that the Government's approval thereof is required, the Government may refuse to participate in the cost thereof unless and until it has given its written approval of the independent contract.

(*c*) *Government may inspect.*—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 5. *Estimated costs of the project.*—A statement of the estimated cost of the project is set forth in Exhibit "A," attached hereto. Except insofar as any item of requirement or the estimated cost thereof set forth in Exhibit "A" is there or elsewhere designated as an "allowable maximum," such items of requirement and of related cost are estimates only, and may be exceeded to the extent that the Government may from time to time approve for the most economic and beneficial performance of the work within the limitation of the total aggregate estimate of costs. The Government's approval of any such excess over the estimate for an item of requirement or related cost will be signified by its approval and payment of any invoice or voucher for payment which expressly calls attention to such excess. Items expressly designated in Exhibit "A" or elsewhere as "allowable maximum," and the total aggregate estimated cost are limitations, and any excess therein will be for the sole account of the Operator in which the Government will not participate.

ARTICLE 6. *Allowable costs of the project.*—(*a*) The costs of the project in which the Government will participate are limited to the following:

(1) *Independent contracts.*—Payments to independent contractors under independent contracts listed in Exhibit "A." The estimated cost of any work to be performed under an independent contract is or shall be included in the estimate of costs in Exhibit "A" in terms of the estimated numbers of units of work to be performed, the estimated amount to be paid per unit, and the estimated total amount to be paid to the independent contractor, and such estimates shall be allowable maximums above which the Government will not contribute. Regardless of the provisions of any such independent contract, the Government will participate in the payments to the independent contractor only on account of work actually performed and that conforms with the provisions of the exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable and necessary. No such independent contract shall have the effect of increasing the estimated total cost of the exploration project contract nor the maximum amount which the Government will pay as provided in the exploration project contract.

(2) *Labor, supervision, consultants.*—Labor, supervision and technical services (including engineering and geological consultants), a schedule of which is included in the estimate of costs set forth in Exhibit "A." The requirements and related estimated costs for supervision and technical services are allowable maximums.

(3) *Operating materials and supplies.*—Necessary materials and supplies including items of equipment costing less than $50.00 each, and power, water, and fuel, a schedule of which is included in the estimate of costs in Exhibit "A."

(4) *Operating equipment.*—Any operating equipment to be rented or purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or the allowable depreciation, as the case may be, a schedule of which is included in Exhibit "A." Any items listed as owned and to be furnished by the Operator, and related ~~initial~~ allowable depreciation, are allowable maximums.

(5) *Rehabilitation and repairs.*—Any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and to be devoted to the purposes of the exploration contract, a schedule of which is included in the estimate of costs set forth in Exhibit "A." These items are allowable maximums.

(6) *New buildings, improvements, installations.*—Any necessary buildings, fixed improvements, or installations to be purchased, installed, or constructed for the purposes of the exploration work, with the estimated cost of each, a schedule of which is included in the estimate of costs in Exhibit "A." All of these items are allowable maximums.

(7) *Miscellaneous.*—Repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance and payroll taxes.

(8) *Contingencies.*—Such other necessary, reasonable direct costs of performing the exploration work, within the limit of the total aggregate estimate of costs, whether or not included in any schedule of costs in Exhibit "A," as may be approved by the Government in the course of the work, as indicated by its approval and payment of invoices and vouchers.

[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.

EXPLORATION PROJECT CONTRACT
GRIGG AND WEST COMPANY
DOCKET NO. DMEA-2677

ANNEX I

Starting on the original outcropping of what is known as the Grassy Knob mine located on the top of Bear Pen Ridge, just below the Grassy Knob and below the old trail leading to and from the Cat Tail Mine; thence North 300 feet; thence East 300 feet; thence South 600 feet; thence West 600 feet, thence North 600 feet; thence East 300 feet to the end of the first call, same being a piece of land 600 feet square with the original opening as the center, as described in lease recorded in Book 109 at page 629 of the public records of Yancey County, North Carolina.

The above is a description of the property referred to in Article 2.

EXPLORATION PROJECT CONTRACT
GRIGG AND WEST COMPANY
DOCKET NO. DMEA-2677

EXHIBIT "A"

Description of the Work

The work is to be carried out in two stages in accordance with the projection on the sketch map attached hereto and made a part hereof and entitled "Sketch of Grassy Knob Prospect, Yancey County, N. C., DMEA-2677 (misa), 10/2/52."

STAGE I

Expose the "Northwest Pegmatite" between the "200-foot Cut" and the "Old Cut" by a bulldozer trench. This "Proposed Cut" shall be approximately 200 feet long, 15 feet wide and 6 to 10 feet deep.

Expose the "Southeast Pegmatite" by a bulldozer cut 150 feet long, 30 to 50 feet wide, and 6 to 10 feet deep.

STAGE II

If, in the opinion of the Government, exposures made under Stage I so warrant, (a) a 50-foot shaft, 5 ft. by 7 ft. in the clear, shall be sunk on the "Northwest Pegmatite," with a 50-foot drift, 5 ft. by 7 ft. in cross-section, at its bottom, and (b) a 50-foot shaft, 5 ft by 7 ft. in the clear, shall be sunk on the "Southeast Pegmatite" with a 50-foot drift, 5 ft. by 7 ft. in cross-section, at its bottom.

Estimate of Costs

(*Indicates allowable maximum)

Stage I

(1) Independent Contracts

None

(2) Labor, Supervision, Consultants

Wages for 1 miner, 120 hrs. @ $1.25 per hr. $ 150.00

(3) Operating Materials and Supplies

Supplies $ 235.00

(4) Operating Equipment

To be purchased

None

To be rented

| | | |
|---|---|---|
| 1 - Bulldozer blade, 140 hrs. @ $10.00 per hr. | $1,400.00 | |
| 1 - 105 CFM Air Compressor, ½ mo. @ $200.00 per mo. | 100.00 | |
| 1 - Jackhammer Drill, ½ mo. @ $30.00 per mo. | 15.00 | 1,515.00 |

To be furnished by the Operator

None

(5) Rehabilitation and Repairs

None

(6) New Buildings, Improvements, Installations

None

(7) Miscellaneous

None

(8) Contingencies

None

Total estimated cost, Stage I $1,900.00*

Stage II

The Government will contribute to the cost of the various items of work enumerated below on the basis of the agreed estimated unit costs in

lieu of actual costs. These agreed unit costs cover all costs whatsoever of the work.

| | | | |
|---|---|---|---|
| 2 - Fifty-foot* shafts @ $45.00* per ft. | $4,500.00 | | |
| 2 - Fifty-foot* drifts @ $32.50* per ft. | 3,250.00 | | |
| Total estimated costs, Stage II | | $7,750.00* | |
| Total estimated costs of project | | | $9,650.00* |
| Government participation @ 90% | | | $8,685.00* |

MF-203 OWNER'S CONSENT TO LIEN DMEA-2677

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of North Carolina, County of Yancey, described as follows:1/ Starting on the original opening of what is known as the Grassy Knob Mine located on the top of Bear Pen Ridge just below the Grassy Knob and below the old trail leading to and from the Cat Tail Mine;thence north 300 feet;thence east 300 feet thence south 600 feet;thence west 600 feet;thence north 600 feet;thence east 300 feet to end of the first call,same being a piece of land 600 feet square with the original opening as the center. as described in lease recorded in Book 62 at page 61 of the public records of Yancey County North Carolina.

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

2/ B.W.Griggs and H.Cline West

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 26th day of August, 1952.

[illegible] [Seal]

Ethel M. [illegible] [Seal]

_____ [Seal]

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

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

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

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

RELEVANT CONTRACT PROVISIONS

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

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

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

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

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

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

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

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

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

## CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2677

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This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip- **Copies to USBM and USGS. One copy retained by Region VII.**

| | | | |
|---|---|---|---|
| To: | Code 600, Rm. 4637 | Date | 8-27-52 |
| To: | Hearne | Date | 8/28/52 |
| To: | Op Com | Date | 9-8-52 |
| To: | Op Com | Date | 10-3-52 |
| To: | | Date | |
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## DO NOT DETACH

## CONTROLLED DOCUMENT

File Copy
Surname:
Anderson
Dorsey
Ourisi
Hoffman
Clearance

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

MAR 8 1954

Mr. [illegible] Grigg
Grigg and West Company
[illegible] Hill, North Carolina

Re: Docket No. DMEA-2677 - Mica
Grassy Knob Mine
Yancey County, North Carolina
Contract No. DMS-1425

Dear Mr. Grigg:

We are pleased to advise you that your performance of exploration work under the subject contract has been satisfactory to the Government, and the account relating thereto has been closed. The final audited and settled account shows:

| | |
|---|---|
| Total allowable costs incurred | $5,436.4- |
| Total Government contribution at 90 percent | $4,892.76 |

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

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

The Government is grateful for your participation in the exploration program of the Defense Minerals Exploration Administration.

Sincerely yours,

C. O. Mittendorf
Administrator

WCAnderson:gad 3/5/54
Copy to: Admr. R. File
Docket File
Mr. Dietrich, 3526
Mr. Houk
Mr. Larrabee, G-232 GSA Bldg.
Field Team, Region VII
Property owners as follows: Perry Threadgill
Ethel H. Threadgill

R.C.D. 3-8-54

File Copy
Surname: Anderson

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

**Project Summary Report**

By: Walter C. Anderson March 5, 1954

1. DMEA Docket No. 2677 - Mica
Contract No. Idm-E435
Grassy Knob Prospect
Yancey County, North Carolina

Operator: Grigg and West Company
Mars Hill, North Carolina

Operator's Property Rights:
Lease and Option - dated 7/23/52
Owner's Consent to Lien - dated 8/26/52

2. Contract - dated 11/4/52
Work authorized -

Stage I - Bulldozer operation

| | | |
|---|---|---|
| Labor | $150.00 | |
| Supplies | 235.00 | |
| Rental-Bulldozer & other equipment | 1,515.00 | |
| Total Stage I | | $1,900.00 |

Stage II - Shafts and drifts

| | | |
|---|---|---|
| 2 - Fifty-foot shafts @ $45/ft. | $4,500.00 | |
| 2 - Fifty-foot drifts @ $32.50/ft. | 3,250.00 | |
| Total Stage II | | $7,750.00 |

| | |
|---|---|
| Total estimated costs of project | $9,650.00 |
| Government participation @ 90% | $8,685.00 |

Amendments:
No. 1 - 12/30/52 - Extends completion date from 6 months to 9 months.

P.C.G. 3/8/54

Work completed:

| | |
|---|---|
| Bulldozer operation - stripping 4680 cu.yds. @ $.331 | $1,550.00 |
| 50 feet of shaft @ $45/ft. | 2,250.00 |
| 50 feet of drift @ $32.50/ft. | 1,625.00 |
| Operating equipment purchased | 11.40 |
| Total accepted cost | $5,436.40 |
| Government participation @ 90% | $4,892.76 |

Work began on November 12, 1952, and was terminated by mutual consent on October 5, 1953.

3. Audit - certificate issued 1/19/54 (no exceptions).

4. Certification of Discovery - none issued.

5. Comments:

How conducted - Efficiently and expeditiously, allowing for severe winter conditions and other difficulties beyond control of operator.

Operation -
1. Good
2. Operator cooperative and helpful.

Engineering - Operator furnished good engineering and geological reports.

Geological premises - The premise that two pegmatites, exposed by bulldozer stripping, continued proved wrong, inasmuch as they thinned to stringers in depth and contained little or no mica.

Geological criteria upon which work was based -
1. Two pegmatites, each 2 to 4 feet thick.
2. Occurrence of mica books up to 15 inches across.
3. Past production, amounting to over 2,000 pounds of good quality mica.

Criteria developed during project - none

Future possibilities - no additional work warranted.

Recommendations - concur with field team that no certification be made.

WCAnderson:gad 3/5/54
Copy to: Admr. R. File
Docket File
Mr. Houk

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

Project Summary Report

By: Walter C. Anderson March 5, 1954

1. DMEA Docket No. 2677 - Mica
Contract No. Idm-E435
Grassy Knob Prospect
Yancey County, North Carolina

Operator: Grigg and West Company
Mars Hill, North Carolina

Operator's Property Rights:
Lease and Option - dated 7/23/52
Owner's Consent to Lien - dated 8/26/52

2. Contract - dated 11/4/52
Work authorized -

Stage I - Bulldozer operation

| | | |
|---|---|---|
| Labor | $150.00 | |
| Supplies | 235.00 | |
| Rental-Bulldozer & other equipment | 1,515.00 | |
| Total Stage I | | $1,900.00 |

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| | | |
|---|---|---|
| 2 - Fifty-foot shafts @ $45/ft. | $4,500.00 | |
| 2 - Fifty-foot drifts @ $32.50/ft. | 3,250.00 | |
| Total Stage II | | $7,750.00 |

| | |
|---|---|
| Total estimated costs of project | $9,650.00 |
| Government participation @ 90% | $8,685.00 |

Amendments:
No. 1 - 12/30/52 - Extends completion date from 6 months to 9 months.

Work completed:

| | |
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| 50 feet of shaft @ $45/ft. | 2,250.00 |
| 50 feet of drift @ $32.50/ft. | 1,625.00 |
| Operating equipment purchased | 11.40 |
| Total accepted cost | $5,436.40 |
| Government participation @ 90% | $4,892.76 |

Work began on November 12, 1952, and was terminated by mutual consent on October 5, 1953.

3. Audit - certificate issued 1/19/54 (no exceptions).

4. Certification of Discovery - none issued.

5. Comments:

How conducted - Efficiently and expeditiously, allowing for severe winter conditions and other difficulties beyond control of operator.

Operation -
1. Good
2. Operator cooperative and helpful.

Engineering - Operator furnished good engineering and geological reports.

Geological premises - The premise that two pegmatites, exposed by bulldozer stripping, continued proved wrong, inasmuch as they thinned to stringers in depth and contained little or no mica.

Geological criteria upon which work was based -
1. Two pegmatites, each 2 to 4 feet thick.
2. Occurrence of mica books up to 15 inches across.
3. Past production, amounting to over 2,000 pounds of good quality mica.

Criteria developed during project - none

Future possibilities - no additional work warranted.

Recommendations - concur with field team that no certification be made.

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

RECEIVED
FEB 8 1954

February 5, 1954

Memorandum

To: Operating Committee, D M E A- Washington

From: Executive Officer, D M E A- Region VII

Subject: DMEA-2677, Idm-E 435 (mica) Grigg & West Co., Mars Hill N. C.
Grassy Knob Mine, Yancey County, N. C.

Please refer to Operating Committee minutes, meeting No. 319, January 20, 1954, page 2. It is stated that the final field report on the Grassy Knob mine recommended certification. This is evidently a typographical error, but please notify the Commodity Group that we do not recommend certification.

Robert A. Laurence

Robert A. Laurence

Mr. Anderson

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
FEB 5 1954

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

February 4, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2677

Contract Number: Idm-E435

Applicant: Grigg and West

Name and Location of Property: Grassy Knob Prospect
Yancey County, North Carolina

Date of Field Team Final Report: January 12, 1954

Date Rec'd by Ceramic and Fertilizer Mats. Branch: February 3, 1954

Field Team Recommendation:

1. No certification of discovery or development.

Comments:

1. A small quantity of mica was recovered, but it was not of strategic quality.

2. Expenditures:

| | |
|---|---|
| Total approved | $8,685.00 |
| Total cost of project | 5,436.40 |
| Government's share | 4,892.76 |
| Value of production | None |

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

Mr. Anderson

IN REPLY REFER TO:

G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
JAN 21 1954

January 20, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2677 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: B. W. Grigg and H. C. West.
Name of property: Grassy Knob Prospect.
Location of property: 2.4 airline miles east of Pensacola, Yancey County, North Carolina -- 600 to 800 ft. due south of Grassy Knob and 1600 ft. due west of the Cattail Mine.
Date of field team report: January 5, 1954.
Authorship of field team report: K. H. Teague and L. E. Shirley.
Field team's recommendation:
No certification of discovery should be issued.
Comments:
Because no commercial mica was discovered, no further work is recommended.
ACTION RECOMMENDED:
Follow field team's recommendation.

D. M. Larrabee
D. M. Larrabee
per DAB

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

Room 13, Post Office Building
Knoxville 2, Tennessee

January 12, 1954

Memorandum

To: Operating Committee, D M E A Washington

From: Executive Officer, D M E A - Region VII

Subject: Field Team Final Report, DMEA-2677 (mica) Grassy Knob Prospect, Yancey County, N. C. B. W. Grigg and H. C. West, Operators. Contract No. Idm-E 435

Enclosed are 4 copies of Field Team final report on the subject exploration contract. This should not be confused with the Grassy Knob prospect in Haywood County (DMEA-2575).

Work on this project was terminated by mutual agreement on October 5, 1953. The Field Team agrees with the examiners' recommendation that a certification of discovery should not be issued.

Robert A. Laurence
Robert A. Laurence

Reviewed by
DMEA OPERATING COMMITTEE
1-20-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

# FINAL REPORT
By
FIELD TEAM, REGION VII

ON

# DMEA-2677, GRASSY KNOB PROSPECT (mica)

Yancey County, N.C.

By

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

---

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

January 5, 1954

Reviewed by
DMEA OPERATING COMMITTEE
1-20-54
(date)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
JUN 2 1954

FINAL REPORT on
DMEA-2677, GRASSY KNOB PROSPECT (mica)
Idm-E 435

Operators: B. W. Grigg and H. C. West, Mars Hill, North Carolina

The Grassy Knob mica prospect is 2.4 airline miles east of Pensacola, Yancey County, North Carolina. It is 600 to 800 feet due south of Grassy Knob and 1600 feet due west of the Cattail Mine.

Results from the bulldozing and the sinking of one 50-foot shaft did not indicate the presence of a worthwhile deposit of mica. No additional work is warranted, nor should a certification of discovery be issued.

Work began on November 12, 1952, and was terminated by mutual consent on October 5, 1953. On the "Northwest" pegmatite 27 hours of bulldozing were used in cutting a trench along the pegmatite's strike. This trench is about 200 feet long, 15 feet wide, and 6 feet deep. Fine-grained pegmatite occurs as scattered pods and stringers throughout the length of the trench; however, nowehere is mica-bearing pegmatite exposed. No additional work appeared warranted in this area.

On the "Southeast" pegmatite a cut 150 feet long, 50-70 feet wide, and 10-12 feet deep was made and a 50-foot vertical shaft and 50 feet of levels accomplished from the bottom of the cut.

At the time of the original examination it appeared that two distinct pegmatites occurred on the property. The stripping in the two areas showed conclusively that the pegmatites are emplaced in the same zone- being emplaced in a plunging overturned syclinal fold. The southwest limb trends about N. 20° E and the dip is vertical to steeply southeast. The other limb trends about N. 75° E, dipping from 20° to 45° to the SE.

The southwest arm of the pegmatite has been exposed on the strike for about 300 feet by the stripping under the project and by previous work. At the extreme southwestern end a shaft 15 feet deep, made during World War II, is in a 2-foot pegmatite; at the northeast end it is about 4 feet thick. In the intervening area (300 feet) the pegmatite is more or less continuous, consisting of narrow stringers and pods. Throughout the entire distance the pegmatite is fine-grained and very quartzose Little mica is present and all is in small sizes.

The northeastern arm of the pegmatite is not as continuous as the other arm. In this area numerous thin streaks, pods, and flattened lenses

occur in a zone about 12 feet wide for a strike distance of about 200 feet. Where observed individual lenses are flattened elliptical-shaped on both strike and dip. The thin steaks are rather continuous; however, no lenses or pods were observed that extended more than 20 feet on strike or dip. Greatest thickness observed was about 4 feet.

All of the pegmatites show evidence of movement, during or shortly after the time of emplacement. The feldspar has been smeared out and crushed and the mica has been in part, severely ruled and broken. The minerals in the "Southeastern" arm are rather coarse. These pegmatites are composed of plagioclase feldspar (soda?), gray to smoky quartz, and muscovite with minor amounts of manganese garnet and pyrite.

The mica is hard and ruby colored. All observed contained more or less mineral stain. Much of the stain is a green or brown mottling. Also inclusions of biotite are common. A large number of the books are tied, especially along the edges. Books up to 10 inches in diameter were recovered; however, most of them were ruled - some in three directions. Several hundred pounds of book mica were recovered during the project, but very little strategic mica could be worked from the mica recovered.

The examiners are of the opinion no significant deposit of mica occurs on the property, thus no certification of discovery should be issued.

Expenditures:

| | | |
|---|---|---|
| (a) | Total approved | $8,685.00 |
| (b) | Total cost of project | 5,436.40 |
| (c) | Government's share of cost | 4,892.76 |
| (d) | Government's share unexpended | 2,973.74 |
| (e) | Value of production -----None | |

This project was conducted in an efficient and satisfactory manner. No equipment of salvageable value was purchased for the project.

January 5, 1954

K. H. Teague, U. S. G. S.

L. E. Shirley, U. S. B. M.

z

FILE COPY
SURNAME: 13

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

JAN 12 1954

Anderson
Hedges
Selfridge
Thayer
Hatten

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

Subject: Docket No. DMEA-2677 - Mica
Crigg and West Company
Grassy Knob Mine
Yancey County, North Carolina
Contract No. Ids-E435

Dear Mr. Laurence:

Reference is made to subject docket and contract.

The subject exploration project contract was terminated by mutual agreement on October 5, 1953. Report of review in lieu of final audit has been prepared but release is being withheld pending receipt of the final field team report.

We will appreciate very much receiving the field team's final report as soon as possible.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (WCA)

Approved:

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

T. P. Thayer (WCA)
Member, Geological Survey

WCAnderson:gad 1/11/54

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

R.C.G. 1/12/54

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

EXECUTIVE OFFICER
DMEA REGION VII
Knoxville, Tenn.

October 9, 1953

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region 7

Subject: Termination of Exploration Project Contract. Grigg & West DMEA-2677, Idm-E 435 (mica)

Transmitted are three copies of the above subject termination agreement. The usual disposition of the other copies has been made.

Robert A. Laurence

Robert A. Laurence

RECEIVED
OCT 14 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

coe
10-12

FILE COPY
SURNAME:

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

600

OCT - 2 1953

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

Subject: Docket No. DMEA-2677 - Mica
Grigg and West Company
Grassy Knob Mine
Yancey County, North Carolina
Contract No. Idm-E435

Dear Mr. Laurence:

Reference is made to your memorandum of September 28, 1953, requesting permission to terminate the subject contract by mutual consent.

You are authorized to terminate this contract using the form "Termination of Exploration Project Contract by Agreement After Commencement but Before Completion of the Work".

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

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

A. R. Kinkel, Jr. (ARK)
Member, Geological Survey

LGHouk:gad 10/2/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.G. 10-2-53

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP 28 1953

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

September 24, 1953

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region 7

Subject: Docket No. DMEA-2677, Contract Idm-E435 (mica) Grigg & West Co. Grassy Knob Mine, Yancey County, N. C.

Reference is made to your letter of September 21, stating that the subject contract had expired on August 4, 1953 and requesting that an amendment be executed for the length of time that is necessary to complete the work outlined in the contract.

Amendment No. 1, to the contract dated December 30, 1952 granted the Operator eleven (11) months from the date of the contract to complete the work. As the contract was dated November 4, 1952 the completion date would be October 4, 1953.

An interim report dated September 11, 1953 by L. E. Shirley and K. H. Teague suggested that the contract be terminated as of that date as it was felt that no worthwhile discovery could be made. No additional time amendment will be necessary.

Wm. A. Beck

Wm. A. Beck

FILE COPY
SURNAME:

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

600

SEP 21 1953

Anderson
Houk
Selfridge
Johnson

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

Subject: Docket No. DMEA-2677 - Mica
Grigg and West Company
Grassy Knob Mine
Yancey County, North Carolina
Contract No. Idm-2435

Dear Mr. Laurence:

Reference is made to the subject contract which expired on August 4, 1953.

Please extend the completion date beyond August 4, 1953, for the length of time that is necessary to complete the work outlined in the contract. Please execute the amendment and make the usual distribution of the copies.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

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

WCAnderson:gad 9/15/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.J.
9-21-53

61

INTERIM REPORT

DMEA-2677 Idm-E435 (mica) GRIGG & WEST MINE

OPERATOR: B. W. Grigg and H. C. West, Mars Hill, North Carolina.

LOCATION: 2.4 miles due east of Pensacola, Yancey County, N. C. 600-800 feet due west of Grassy Knob and 1600 feet due west of the Cattail Mine.

This contract has been completed. A shaft was sunk for a total depth of 50 feet and two crosscuts totaling 51.5 feet were driven to the northeast and southwest. The "northeast" working was driven for 15.5 feet, but encountered only a narrow pegmatite stringer about 4 ft. from the turnoff and the remaining footage was driven in biotite gneiss, containing narrow quartz lenses. The "southwest" working was driven for 36 feet and encountered three narrow stringers of pegmatite at varied intervals. None of this pegmatite material contained more than a few pieces of mica. It was suggested that no more work be attempted and that the contract be terminated.

The operators were very helpful and cooperative at all times in providing transportation to the mine and accepted all suggestions freely during operations.

L. E. Shirley

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

K. H. Teague WAB

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

September 11, 1953

MDL

INTERIM REPORT

DMEA-2677 Idm-E435 (mica) GRIGG & WEST MINE

OPERATOR: B. W. Grigg and H. C. West, Mars Hill, North Carolina.

LOCATION: 2.4 miles due east of Pensacola, Yancey County, North Carolina; 600-800 feet due west of Grassy Knob and 1600 feet due west of the Cattail Mine.

Crosscutting continues on this contract and is now at 30 feet, driven to the southwest. Total crosscut footage consumed on both crosscuts is 45 feet. No additional pegmatite material has been encountered. Present heading is in biotite gneiss and will be driven for an additional 5 feet, which will complete crosscutting or drifting allowable under the contract.

It was suggested that operators obtain some long drill steel and explore the walls by long test holes before continuing the crosscut. Additional footage will be needed before any more crosscutting can be attempted, either to the southwest or northeast.

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

August 28, 1953

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

OFFICE OF
REGIONAL DIRECTOR

POST OFFICE BOX 1909
KNOXVILLE, TENNESSEE

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 19 1953

August 17, 1953

Memorandum

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

From: Administrative Officer, Region VII, Knoxville, Tennessee

Subject: Monthly Reports and Vouchers

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

Idm-E-435 Gregg and West
DMEA Docket No. 2677
5th payment - month of July
Amount $843.75

Idm-E-503 Vincent J. Holt H.R.H
DMEA Docket No. 2832
4th payment - month of July
Amount $828.00

Idm-E-515 Howell and Anderson Mining Company
DMEA Docket No. 2914
3rd payment - month of July
Amount $540.00

Idm-E-516 Goodmica Mining Company Goodman
DMEA Docket No. 2926
3rd payment - month of July
Amount $1291.50

Idm-E-561 Roy Herbert Fouts
DMEA Docket No. 2917
1st payment - month of July
Amount $594.00
Starting Date: 7/20/53

Idm-E-563 American Mica Corporation
DMEA Docket No. 2961
1st payment - month of July
Amount $819.00
Starting Date: 7/22/53

Idm-E-594 Richard C. Angel
DMEA Docket No. 2974
1st payment - month of July
Amount $967.50
Starting Date: 7/6/53

Idm-E-534 Blue Ridge Mica Co., Inc.
DMEA Docket No. 2870
2nd payment - month of July
Amount $1785.60

Idm-E-364 Sink Hole Miners
DMEA Docket No. 2379
8th payment - months of May-June-July
Amount $900.00

Idm-E-469 Macon Mica Miners
DMEA Docket No. 2467
3rd payment - month of July
Amount $966.60

Idm-E-459 Mica Industries, Inc.
DMEA Docket No. 2579
4th payment - month of July
Amount $216.00

Idm-E-512 B. G. Thomas, Mark Hall, and Charlie Hall
DMEA Docket No. 2790
3rd payment - month of July
Amount $1831.50

Idm-E-542 Dave Wise, Ray Wise and Sam L. Phillips
DMEA Docket No. 2861
2nd payment - month of July
Amount $1485.00

Idm-E-535 Bowman Bros. Mine
DMEA Docket No. 2882
2nd payment - month of July
Amount $1008.00

Idm-E-547 Duncan Mining Company
DMEA Docket No. 2886
1st payment - month of July
Amount $874.80
Starting Date: 7/14/53

Idm-E-524 Hooper Brothers
DMEA Docket No. 2909
2nd payment - month of July
Amount $1530.00

Idm-E-553 Ray E. Bennett
DMEA Docket No. 2988
1st payment - month of July
Amount $540.00
Starting Date: 7/11/53

Idm-E-560 Murphy Mining Company
DMEA Docket No. 3008
1st payment - month of July
Amount $540.00
Starting Date: 7/28/53

Idm-E-518 B & R Mica Company
DMEA Docket No. 2785
2nd payment - month of July
Amount $1300.50

Idm-E-525 Bennett & Johnson
DMEA Docket No. 2859
2nd payment - month of July
Amount $1575.00

Idm-E-454 Schroeder Company
DMEA Docket No. 2634
8th payment - month of July
Amount $2288.25

Also attached in duplicate are amended January and February monthly reports and vouchers for the Burke John Mica Miners, DMEA Docket No. 2277, Contract Idm-E-412.

Helen Miller

Helen R. Miller

Enclosures 46

HMiller:hbm
CC: R. A. Laurence
W. A. Beck
Region Files
Day Files

INTERIM REPORT

DMEA-2677 Idm-E435 (mica) GRIGG & WEST MINE

OPERATOR: B. W. Grigg and H. C. West, Mars Hill, North Carolina

LOCATION: 2.4 miles due east of Pensacola, Yancey County, N. C.; 600 - 800 feet due west of Grassy Knob and 1600 feet due west of the Cattail Mine.

Crosscutting has begun to the southwest on this contract and has advanced 16 feet since last interim report of July 31, 1953. Total crosscutting to date is 31 feet. Material encountered in this second crosscut has been principally biotite gneiss with reported narrow pegmatite bodies at 5 foot intervals. Present heading shows a narrow steeply dipping body composed of quartz, feldspar and garnet, flanked by gneiss. A few pieces of stained muscovite mica has been recovered from all three bodies. Drifting will continue in the same general direction.

L. E. Shirley

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

K. H. Teague

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

August 14, 1953

9B

INTERIM REPORT

DMEA-2677 Idm-E435 (mica) GRIGG & WEST MINE

OPERATOR: B. W. Grigg and H. C. West, Mars Hill, North Carolina

LOCATION: 2.4 miles due east of Pensacola, Yancey County, N. C. 600 - 800 ft. due west of Grassy Knob and 1600 feet due west of the Cattail Mine.

Shaft sinking outlined in Stage II of this contract has been completed, and drifting from the 50 ft. level has begun. An advance of 15 feet was made during the past month in a NE direction. A barren pegmatite body about 2 ft. thick and dipping steeply west, was encountered at about 6 feet in the drift. No other pegmatite material was picked up. It was suggested that this drift be abandoned and a new exploratory drift be started at a point in the shaft where another body was observed.

L. E. Shirley

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

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

July 31, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JULY 20 1953

INTERIM REPORT

DMEA-2677 Idm-E635 (mica) GRIGG & WEST MINE

OPERATOR: B. W. Grigg and H. C. West, Mars Hill, North Carolina

LOCATION: 2.4 miles due east of Pensacola, Yancey County, N. C.: 600-800 ft. due west of Grassy Knob and 1600 ft. due west of the Cattail Mine.

Shaft sinking is nearing completion on this project, with only 4 feet remaining to be sunk. The shaft has been properly timbered and has not required cribbing for the entire 46 feet. The bottom is in hard biotite gneiss. Recent 6 ft. test holes on the NW side of the shaft encountered 3 feet of biotite schist and 3 feet of pegmatite material, in that order. Turnoff will be made at the 50 ft. level and drifting will begin in the near future.

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

K. H. Teague (WRS)
K. H. Teague, Geologist
U. S. Geological Survey

July 17, 1953

INTERIM REPORT

DMEA-2677 Idm-E435 (mica) GRIGG & WEST MINE

OPERATORS: B. W. Grigg and H. C. West, Mars Hill, N. C.

LOCATION: 2.4 miles due east of Pensacola, Yancey County, North Carolina; 600-800 feet due west of Grassy Knob and 1600 feet due west of the Cattail Mine.

Shaft sinking continues and is now at 35 feet. On the SE side of the shaft, near the bottom, a 2 foot zone of material is showing, consisting of 6" of pegmatite with small blocks of mica, several interlayers of country rock, and feldspar-quartz stringers from 2 to 3 inches thick. No extreme changes were noted from that observed in last report.

L. E. Shirley

L. E. Shirley, Mining Engineer
Mining Division, Region VII

K. H. Teague

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

June 29, 1953

INTERIM REPORT

DMEA-2677 Idm-E435 (mica) GRIGG & WEST MINE

OPERATOR: B. W. Grigg and H. C. West, Mars Hill, N. C.

LOCATION: 2.4 miles due east of Pensacola, Yancey County, N. C.; 600-800 feet due west of Grassy Knob and 1600 feet due west of the Cattail Mine.

Stage II of this contract has begun and shaft sinking is in progress. This project was recessed during the winter months due to inaccessibility and bad weather, and resumed work about a month ago. The shaft is down to 27 feet and contained 3 to 4 feet of muck. Material encountered consists of pegmatite and biotite gneiss, with most of the vein showing in the north end of the shaft. The pegmatite is about 2 feet wide and is composed of quartz, feldspar, small mica which is badly cracked and stained, and scattered garnet.

The shaft is 5' x 7' in cross section, two compartment with separate manway and staggered ladders, and has been cribbed to 15' with 3" x 6" sawed timbers.

L. E. Shirley

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

K. H. Teague

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

June 19, 1953

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

February 9, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

DMEA-2677 - Mica
Grigg & West Co. Mine
Yancey County, North Carolina
Contract No. Idm-E435

Subject: Review - Amendment No. 1

Purpose: To allow sufficient time to complete the program.

Method: Amend Article 3 to provide nine months instead of six months for completion.

Recommendation: Concurrence

Justification: Property is practically inaccessible during the winter months and a winter recess is necessary.

Stanley A. Feitler
Stanley A. Feitler
Nonmetallic Minerals Division

Posted 2/10

FILE COPY
SURNAME:

Feitler
Houk

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

February 9, 1953

Memorandum

DMEA-2677 - Mica
Grigg & West Co. Mine
Yancey County, North Carolina
Contract No. Idm-E435

To: Administrator

From: Nonmetallic Minerals Division

Subject: Review - Amendment No. 1

Purpose: To allow sufficient time to complete the program.

Method: Amend Article 3 to provide nine months instead of six months for completion.

Recommendation: Concurrence

Justification: Property is practically inaccessible during the winter months and a winter recess is necessary.

Stanley A. Feitler
Nonmetallic Minerals Division

SAFeitler:gad 2/9/53

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

RECEIVED
FEB 10 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Docket Copy

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 7 1953

Room 13, Post Office Building
Knoxville 02, Tennessee

January 5, 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Executive Officer, D M E A - Region 7

Subject: Amendment No. 1, DMEA-2677, Idm-E435 (mica) Grigg & West

Transmitted are three copies of the above subject amendment, and also a copy of aletter from Mr. Threadgill. The amendment was written extending the date of completion from date of contract for 11 months. Mr. Threadgill gave them until April. The correction was made by Mr. Grigg and West, and initialed by them, also initialed by me.

Robert A. Laurence
Robert A. Laurence

cee
1-7-53

2622

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 31 1952

INTERIM REPORT

IMEA-2677 Idm-E435 (mica) GRIGG & WEST MINE

OPERATORS: B. W. Grigg and H. C. West, Mars Hill, N. C.

LOCATION: 2.4 miles due east of Pensacola, Yancey County, North Carolina; 600 - 800 feet due west of Grassy Knob and 1600 feet due west of the Cattail Mine.

This mine was visited in the company of B. W. Grigg. Bulldozing on the "Southeast Pegmatite" has been completed. Approximately 143 hours of bulldozing was necessary to explore fully the pegmatite as set up in Stage I of the Contract. The cut exposing the "Southeast Pegmatite is approximately 150 feet long, 50 feet wide and 15 feet deep.

Location of Shaft was made and Stage II of the Contract reviewed with the operator. Due to inaccessibility and winter weather operator may not begin this Stage of the work until sometime in the spring of 1953. Progress on this project is satisfactory.

L. E. Shirley

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

December 17, 1952

Docket cy.

C O P Y

C O P Y

Miami Fla.
Dec 29 1952

Mr H. Cline West and B. W. Griggs,

Mars Hill N. C.

Dear Sirs:- Re: Grassy Knob Mine.

In accordance with your request permission is hereby granted to suspend active operation of the Grassy Knob Mine until April 1st provided this is satisfactory with the DMA.

Yours truly,

s/ Perry Threadgill

Copied (SIC)
1-5-53
zm.

INTERIM REPORT

IMEA-2677 Idm-E435 (mica) GRASSY KNOB MINE

OPERATOR: Grigg and West Company, c/o H. Cline West, Mars Hill, North Carolina.

LOCATION: 2.4 airline miles due east of Pensacola, Yancey County, North Carolina; 600 to 800 feet due south of Grassy Knob and 1600 feet due west of Cattail Mine.

B. W. Grigg and H. C. West accompanied the Field Team on this visit. Approximately 55 hours of bulldozing has been completed on the two prospects as outlined in the contract. The exploration of the "Northwest Pegmatite" by bulldozer cut exposed only scattered pegmatite stringers, whose extent does not indicate that additional exploration is warranted. Exploration by bulldozer cuts on the "Southeast Pegmatite" has not been completed, but two pegmatites striking N 50° W, dipping 60° SW and zoned have been exposed for 25 - 30 feet, each, along their strikes.

Material of these pegmatites consist of feldspar with quartz lenses and muscovite mica which is ruby colored. The mica that has been recovered is badly stained with iron oxide and an unknown greenish stain and contains biotite specks. It appears that the "Southeast Pegmatite" will warrant further exploration. This project is progressing satisfactorily.

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

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

November 21, 1952

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 14 1952

November 12, 1952

Memorandum

To: Operating Committee, D M E A- Washington

From: Executive Officer, DMEA - Region 7

Subject: Signed Contracts on DMEA-2677, Idm-E435. Grigg & West

Transmitted herewith are three copies of the above subject contract signed by the applicants, Grigg and West. The operator retained his copy, the Finance Officer's copy has been mailed to him, and the Field Team's copy retained by this office.

Robert A. Laurence

Robert A. Laurence

cae
11-14-52

FILE COPY
SURNAME:

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

Hearne
Houk
Arthur
Talbot

NOV 4 1952

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

Subject: Docket No. DMEA-2677 - Mica
Grigg and West
Grassy Knob Mine
Yancey County, North Carolina

Dear Mr. Laurence:

Please find herewith the original and five copies of a contract covering the subject exploration project which have been signed by 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,

(signed) FRANK E. JOHNSON
(GHB) J.H. 11-4-52

Chairman, Operating Committee

Approved:

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

A. R. Kinkel, Jr. (GHB)
Member, Geological Survey

LFHearne:gad 10/24/52
Copy to: Adm. R. File
Docket File
Operating Committee (2)
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

Enclosures: 6

P. S. A copy of the contract is also enclosed for use of your field representative.

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

October 24, 1952

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Review of Docket No. DMEA-2677 - Mica
Grigg and West Co.
Grassy Knob Mine
Yancey County, North Carolina

| | |
|---|---|
| Aug. 25, 1952 | Memorandum to Operating Committee from Region VII transmitting application dated Aug. 23, 1952. |
| Aug. 28, 1952 | Memorandum from USGS recommends field referral. |
| Sept. 3, 1952 | Memorandum from USBM recommends field referral. |
| Sept. 8, 1952 | Letter from Operating Committee to Region VII requesting field examination. |
| Oct. 6, 1952 | Received field report dated Oct. 2, 1952. |
| Oct. 17, 1952 | Memorandum from Chief Counsel to Administrator approving legal form of contract subject to attachment of Owner's Consent to Lien. |
| Oct. 20, 1952 | Memorandum from USBM concurs in field team recommendation of contract. |
| Oct. 23, 1952 | Memorandum from USGS suggests following field recommendation. |

Laurance F. Hearne

Laurance F. Hearne
Nonmetallic Minerals Division

FILE COPY
SURNAME:

Hearne
ackow
Houk

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

October 24, 1952

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Review of Docket No. DMEA-2677 - Mica
Grigg and West Co.
Grassy Knob Mine
Yancey County, North Carolina

| | |
|---|---|
| Aug. 23, 1952 | Memorandum to Operating Committee from Region VII transmitting application dated Aug. 23, 1952. |
| Aug. 28, 1952 | Memorandum from USGS recommends field referral. |
| Sept. 3, 1952 | Memorandum from USBM recommends field referral. |
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| Oct. 6, 1952 | Received field report dated Oct. 2, 1952. |
| Oct. 17, 1952 | Memorandum from Chief Counsel to Administrator approving legal form of contract subject to attachment of Owner's Consent to Lien. |
| Oct. 20, 1952 | Memorandum from USBM concurs in field team recommendation of contract. |
| Oct. 23, 1952 | Memorandum from USGS suggests following field recommendation. |

Laurance F. Hearne
Nonmetallic Minerals Division

LFHearne:gad
Copy to: Docket File
Adm. R. File
Mr. Houk

IN REPLY REFER TO:

G-MD-CNM

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

October 23, 1952

mr Heame

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2677 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration.
From: R. E. Van Alstine, U. S. Geological Survey.
Applicant: Griggs and West Company, Mars Hill, North Carolina.
Name of property: Grassy Knob prospects.
Location of property: 600-800 feet S. of Grassy Knob; 1,600 feet W. of Cattail mine; 2.4 airline miles E. of Pensacola, Yancey County, North Carolina.
Date of field team report: October 2, 1952.
Authorship of field team report: K. H. Teague and L. E. Shirley.
Field team's recommendation:

Approve program recommended (total cost $10,400)

Stage 1:

Bulldozer cut 200' x 15' x 6'-10' deep on northwest pegmatite.

Bulldozer cut 150' x 30'-50' x 6'-10' deep on southeast pegmatite.

Stage 2: (Contingent on results of stage 1):

Two 50-foot shafts and 100 feet of drifts.

Comments: None.
ACTION SUGGESTED: Follow field team's recommendation.

R. E. Van Alstine

R. E. Van Alstine

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

October 17, 1952

Memorandum

To: Administrator

Through: L. G. Houk

From: Chief Counsel

Subject: Grigg and West Company, Docket No. DMEA-2677

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

J. L. Hofflund
Chief Counsel

Attachment

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

October 20, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2677, Mica, Grassy Knob Prospects,
Yancey County, Mars Hill, North Carolina

I concur in the field team's recommendation for a two stage exploration program in the amount of $10,400.

W. F. Dietrich

W. F. Dietrich

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 21 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 6 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA- 2677, GRASSY KNOB PROSPECTS, (Mica)

Applicants: Griggs and West Company, c/o B. W. Griggs
Mars Hill, North Carolina

By

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

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

October 2, 1952

Report of Field Examination on

DMEA-2677 - GRASSY KNOB PROSPECTS, (Mica)

Applicant: Griggs and West Company, c/o B. W. Griggs
Mars Hill, North Carolina

Approximately 2500 pounds of surface-stained block mica has been recovered recently by shallow bulldozer stripping. Although most of this mica is too badly stained and broken from frost action to work, 10 pounds of strategic mica was trimmed. Two pegmatites occur on the tract under lease. The Field Team is of the opinion that these pegmatites merit exploration.

These prospects were examined on September 25, 1952. B. W. Griggs and W. Cline West accompanied the Field Team on the examination which required five hours.

The Grassy Knob Prospects are located 600 to 800 feet due south of Grassy Knob, and 1600 feet due west of the Cattail mine. The prospect is 2.4 airline miles due east of Pensacola, Yancey County, North Carolina. Access is from Pensacola via gravel and mine road up Cattail Creek, 4.5 miles of which are accessible only by truck or jeep.

Both Applicants are competent and appear able to conduct the exploration project.

There are no buildings or facilities on the property at present. Old workings consist of a cut 75 feet long by 30 feet wide and 15 feet deep, that has been cleaned out recently and a 10 foot test pit from the bottom of the cut.

Recent work has consisted of cutting a trench 200 feet long, 6 feet deep, and 15 feet wide located 250 feet northeast of the old cut and a cut 25 feet wide, 5 feet deep and 30 feet long, located about 100 feet southeast of the 200-foot cut (see attached sketch map).

The old cut and the new 200-foot cut exposes pegmatite which trends in N.20° - 30° E, dipping steeply southeast. In the 200-foot cut the pegmatite is about four feet thick and is fine grained, consisting essentially of fine quartz, plagioclase feldspar, and muscovite. Most of the mica is less than two inches in diameter.

In the old cut and pit therefrom, the pegmatite is about two feet thick and fine grained. The applicants report that the pegmatite pinches out completely in the bottom of the 15-foot test pit. Mica

books up to six inches across occur in the old dump, but it is generally of poor quality.

Pieces of float pegmatite, coarser than any of that observed in either the 200-foot trench or the old cut, occurs between the two openings. This float suggests that the pegmatite may be continuous between the two exposures.

In the 25 x 30 foot cut, approximately 2000 pounds of mica have been recovered from the soil and saprolite. Weathered schist and two small pegmatite pods, with a strike to the north and a low dip to the west occur. Books of mica up to 15 inches across can be dug from the pegmatite pods. At present exposures at this place are insufficient to permit proper appraisal; however, they are sufficient to justify additional exploration work.

All of the wall rock exposed is a contorted biotite kyanite gneiss, which in general has its schistosity parallel with the strike and dip of the pegmatite.

The mica in the northwest pegmatite is of poorer quality than that from the southeast exposure. The northwest mica is hard and generally flat. Some contains reeves, cracks, and lock spots. Most of it is ruby colored, but a little is green.

At the southeast exposure, the mica is mostly of good quality, except for surface staining. All of it is ruby colored and hard. It is generally flat and most splits well. Some of the books contain brown stains but the staining appears to be related to its nearness to the surface.

The Field Team believes that both pegmatites exposed at this place offer promise for exploration, with the southeastern one being the better.

The following program is recommended:

Stage I:

Expose the northwest pegmatite between the 200-foot cut and the old cut by a bulldozer trench. This proposed cut should be approximately 200 feet long, 15 feet wide and 6 - 10 feet deep.

Expose the southeastern pegmatite by a cut 150 feet long 30 - 50 feet wide, and 6 - 10 feet deep.

Stage II:

Stage II should be based on results of Stage I. If mica-bearing pegmatite is exposed in either cut it is recommended that a 50-foot shaft be sunk on the pegmatite and 50 feet of drifts driven from the shaft, thus the maximum of Stage II would be two 50-foot shafts and a total of 100 feet of drifts.

Estimated Costs:

Stage I

| | | |
|---|---|---|
| Rental: | Bulldozer/blade, 140 hrs. @ $10/hr. | $1400.00 |
| | 105 Compressor, 1/2 mo. @ $200/mo. | 100.00 |
| | Jackhammer drill, 1/2 mo. @ $30/mo. | 15.00 |
| | 1 - miner, 15 shifts @ $1.25/hr. | 150.00 |
| Supplies - | | 235.00 |
| | Stage I Estimated Cost<br>Estimated time - 15 shifts | $1,900.00 |

Stage II

| | |
|---|---|
| 2 - 50-foot shafts @ $50/ft. | $5,000.00 |
| 100 feet of drifts @ $35/ft. | 3,500.00 |
| Stage II, Estimated Cost<br>Estimated time - 85 shifts | $8,500.00 |
| Estimated total cost of Stages I and II | $10,400.00 |

Estimated total time of Stages I and II, 100 shifts

The area covered by the Applicant's lease is adequate to provide sufficient working and dumping space for the proposed exploration.

K.H. Teague, USGS

L.E. Shirley, USBM

October 2, 1952

2m

FILE COPY
SURNAME:

Hearne
Robinson
Hodges
Reader
Mitten

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

SEP 8 1952

Mr. B. W. Grigg
Grigg and West Company
Mars Hill, North Carolina

Subject: Docket No. DMEA-2677 - Mica
Grigg & West Company
Yancey County, North Carolina

Dear Mr. Grigg:

Your application, as captioned above, is being referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for field examination.

Your interest in the exploration program for mica is appreciated.

Sincerely yours,

C. O. Mittendorf (for) 9-8-52
Acting Administrator

LFHearne:gad 9/5/52

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

FILE COPY
SURNAME:

Hearne
Robertson

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

SEP 8 1952

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

Subject: Docket No. DMEA-2677 - Mica
Grigg & West Company
Yancey County, North Carolina

Dear Mr. Laurence:

Reference is made to the above-captioned docket, and a Field Team examination of the property is requested.

Although the map accompanying the application shows the location of the original outcrop, there is no information as to the site or extent of the proposed bulldozing or the location of the shaft.

If the Field Team's recommendation is favorable, it might be preferable to draw up a contract on a unit basis.

Memoranda from the U. S. Bureau of Mines and the U. S. Geological Survey are enclosed.

Sincerely yours,

H. F. Kelley (JHB)
ACTING Chairman, Operating Committee

F.N. 9-8-52

Approved:

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

T. P. Thayer (JHB)
Member, Geological Survey

Enclosures 2

LHearne:gad 9/5/52

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

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

September 3, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2677, Mica, Grigg and West Company,
Yancey County, North Carolina

The applicant's proposal to explore the mineral property appears worthy of consideration. The general area is one in which ruby mica is known to be the characteristic variety. Mica from the Cattail mine which is $\frac{1}{4}$ miles from this property was purchased by Colonial Mica. The evidence as submitted warrants a field team investigation.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DEMA
AUG 28 1952

Memorandum August 28, 1952

REVIEW OF APPLICATION DMEA 2677 (Mica).

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

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

Applicant: Grigg and West Company

Name of property: Not listed

Location of property: Yancey County, North Carolina

Estimated cost of project: Stage I, $2,455. Stage II $7,137.

Summary of applicant's proposal: Stage I. Bulldoze overburden to expose the pegmatite. Stage II. Sinking an exploratory shaft and drift along pegmatite.

Sources of information on applicant's property: None

Comments: (1) Lease and Landlord's subordination agreements were not included with the application.
(2) Suggested exploration plan, in two stages, should be checked for feasibility at the time of the field team examination.

Recommendation: Refer to the field team.

Paul L. Weis

Paul L. Weis

Mr. B. W. Grigg
Grigg and West Company
Mars Hill, North Carolina

Subject: DMEA-2677
Re: Exploration Assistance
August 27, 1952

My dear Mr. Grigg:

The receipt of your application dated August 23, 1952, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2677 and referred to the Non-Metallic Minerals Division.

Kindly refer to DMEA-2677 in any future correspondence relating to your application.

Sincerely yours,

SIGNED
Wingfield Chamberlain
Acting Chief, Operation's
Control and Statistics Division

25451

August 27, 1952

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Acting Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

Listed below you will find the assigned docket number to an application recently received from Region VII.

DMEA-2677 - Grigg and West Company

SIGNED
Wingfield Chamberlain
Acting Chief, Operation's Control
and Statistics Division

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1952

August 25, 1952

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Kefton H. Teague, Region VII

Subject: Grigg and West Company, Mars Hill, North Carolina
Forms MF-100 and MF-103 (mica)

Enclosed are 3 copies each of Forms MF-100 and MF-103 just received from Mr. B. W. Grigg, Partner, Grigg and West Company, Mars Hill, North Carolina. We are keeping the fourth copy of each form here in accordance with instructions.

Kefton H. Teague
Kefton H. Teague
Per MG

Enclosures

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

Room 13, Post Office Building
Knoxville 2, Tennessee

September 2, 1952

Memorandum

To: Operating Committee, DMEA

From: R. A. Laurence, Executive Office, Field Team, Region 7

Subject: DMEA-2677, Grigg and West Company, Grassy Knob Mine (mica).

Enclosed you will find the following documents to be attached to the above application:

1. Original lease filed and recorded on Aug. 11th, 1952 in book 109 of deeds and page 629 in the records of Yancey County, N.C.

2. Three prints of land under lease.

3. Original and two phostatic copies of form MF-203.

4. Transmittal letter from the applicant (copy)

We have kept one copy of the map and a photostat copy of form MF-203 to be attached to our copy of the application

Robert A. Laurence

Robert A. Laurence

August 30, 1952

Mr. Robert A. Laurence
Defence Minerals Administration
Room 13, P.O. Building
Knoxville, Tenn.

Subject:- DMEA - 2677
Grassy Knob Mine Exploration

Dear Mr. Laurence,

You will find enclosed the following documents that are to become a part of the application for an Exploratory Loan on the above named mine located on Cattail Creek, Yancey County, North Carolina:-

1. Original lease file and recorded on Aug. 11th, 1952 in book 169 of deeds and page 629 in the records of Yancey County.

2. Four prints of the land under lease.

3. Original and three photostatic copies of form MF-203.

Yours truly,

D.M.Robinson

D.M.Robinson for
Grigg and West Company
mars Hill, N.C.

Form MF-103
(Revised June 1950)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1952

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-2677
Metal or Mineral
Date Received 8-27-52
Amount $
Participation (Government %)

Grigg and West Company
Mars Hill, North Carolina

Name and address of applicant

Date August 23, 1952

If you have already filed MF-100, give date filed Yes, type of assistance requested Exploratory loan,

DMA Docket Number (if available)

## INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

## CERTIFICATION

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

Griggs and West Company
(Name of company)

By B W Griggs
(Signature of authorized official)

August 23, 1952
(Date)

Partner
(Title)

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

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

State of North

County of Yan

This lease made and executed on this the 23rd day of july 1952 by and between Percy Threadgill and Ethel H.Threadgill,parties of the first part,lessors,and B.W.Griggs and H Cline West,parties of the second part,Lessees.

WITNESSETH that in and for the consideration of the sum of ten dollars and other valuable consideration herein set forth,the parties of the first part have leased and granted unto the said parties of the second part the exclusive mining priveleges to prospect and mine and recover, from the lands herein described,the Mica,Feldspar and other minerals,which said lands are located on what is known as the Threadgill boundary on the headwaters of Cat Tail Creek in Pensacola Township of Yancey County,North Carolina,as more completely described as follows:

Starting on the original outcroping of what is known as the Grassy Knob mine located on the top of Bear Pen Ridge just below the Grassy Knob and below the old trail leading to and from the Cat Tail Mine;thence north 300 feet;thence east 300 feet;thencesouth 600 feet;thence west 600 feet;thence north 600 feet;thence east 300 feet to the end of the first call,same being a piece of land 600 feet square with the original opening as the center.

This lease is granted for the purpose of mining,prospecting and recovering minerals from the above land,with the usual mining priveleges prevailing in the district but is not made for any other purpose other than those set forth herein.

The term of this lease shall be for a perion of one year from the date hereof,and the parties of the first part hereby agree to extend this lease for as many as four additional years on the same terms provided all the terms and conditions set forth herein shall have been complied with by the said parties of the second part.

The Lessees are required to sign this lease and to bind themselves,their heirs or assigns to faithfully fulfill the requirements set forth herein and hereby binds themselves to start operation of the said mine by installing proper machinery within fifteen days from the date of this lease and to faithfully proceed with the operation of the mines located on the lands herein described in accordance with the proper mining methods and practices and to continue the same during the life of this lease and without any unreasonable delay until this lease shall have expired.

It is agreed by the parties hereto that upon failure to make any of the payments herein set forth or upon failure to comply with the provision of this lease the same shall become null and void and of no effect,and it is agreed that if the said lessees fail to work the said mine for a period of 30 days,then this lease shall be null and void and of no effect at the option of the first parties.This provision shall be self operative and upon such failure no action at law or in equity shall be neccessary to cancel the said lease but same shall be thereupon canceled at the option of the parties of the first part.In case of severe weather it is agreed that there shall not be a delay of more than thirty days total in any one year.

The parties of the second part are hereby granted the right to erect such buildings as may be needed on the above lands for the purpose of carrying on the operation of the mines,storing, sheeting classifying the minerals and for camps for the emplyees and it is understood that the parties of the second part may remove said buildings and machinery provided said buildings are removed within 30 days after this lease shall have expired or has been canceled,but it is understood and agreed that all buildings left for more than 30 days after this lease has expired or canceled shall become the property of the first parties.

It is specifically agreed that all Mica and other minerals taken from the above lands shall be sheeted and worked on the above lands or in some other location approved by the first parties and after said Mica has been sheeted and worked it is to be sold to the buyer offering the best price,and the said parties of the second part do hereby agree that they will pay to the parties of the first part a sum equal to one eighth of all the Mica and other minerals sold and one dollar per ton for all Feldspar sold,said royalty payments to be made either at the time of sale or on the first of each month for all minerals sold during the previous month.It is understood and agreed that no minerals are to be removed from the above lands until the above payments are made or the above terms are complied with.

The right to assign this lease is hereby granted if said assignment is made to a person or persons who are solvent and said assignment is approved by the parties of the first part.

The parties of the second part agree that starting on the first day of February and on the first day of each and every month thereafter the parties of the second part agree to pay a minimum royalty of $100.00 per month if the royalty above specified does not amount to that much.

The parties of the second part are granted the right to cut such timber as may be needed to carry on the safe operation of the said mine but agrees to only cut such timber as is approved by first parties.The parties of the second part agree that during the term of this lease,they, their heirs or assigns. will use particular care not to cause any woods or brush fires to get out that might damage any growing timber on this or adjoining lands.The parties of the second part agree that they,or any person in their employ, will be permitted to disturb or take any game or fish from this or the adjoining lands of the first parties.

The parties of the first part are hereby permited to inspect the mines,the minerals wherever they may be stored and alsoare they to have the right to inspect all records of the second party.

The right of egress and ingress over the roads and trails as they now exist is hereby granted and the said parties of the second part agree that they will contribute their share of the cost of keeping the said roads in good condition.

In Witness whereof Percy Threadgill and Ethel H.Threadgill,parties of the first part and B.W.Griggs and H.Cline West have set their hands and seals on this the day of July 1952.

Percy Threadgill - - - - - - - - -Seal

Se Ethel H. Threadgill -seal

---

Carolina,

Mineral lease.

H. Cline West Seal

B W Griggs Seal

Parties of the second part.

State of North Carolina.
County of Yancey

I, a Notary Public, hereby certify that on this the 24 day of July 1952 personally appeared before me Percy Threadgill and Ethel H. Threadgill, his wife, parties of the first part in the foregoing instrument and they acknowledged that they signed the foregoing instrument and executed same for the purposes therein expressed.

Marie Ray
my com. Mar. 20 - 1954

State of North Carolina
County of Madison

I, Carl W. Cady, a Notary Public, hereby certify that on this the 30th day of July, 1952, personally appeared before me B. W. Griggs and H. Cline West, Parties of the second part in the foregoing instrument and they acknowledged that they signed the foregoing instrument and executed the same for the purpose therein expressed before me.

Carl W. Cady

My commission expires Feb 13 1954

NORTH CAROLINA, Yancy County:
The foregoing certificate (s) of Marie Ray and Carl W. Cady;
each a Notary Public of the County and State designated, duly authenticated by his official seal affixed, has (have) been duly examined and found to be in proper form according to law, and the execution of the said instrument is thereupon adjudged sufficiently proven. Let the instrument, with the certificates, be registered.

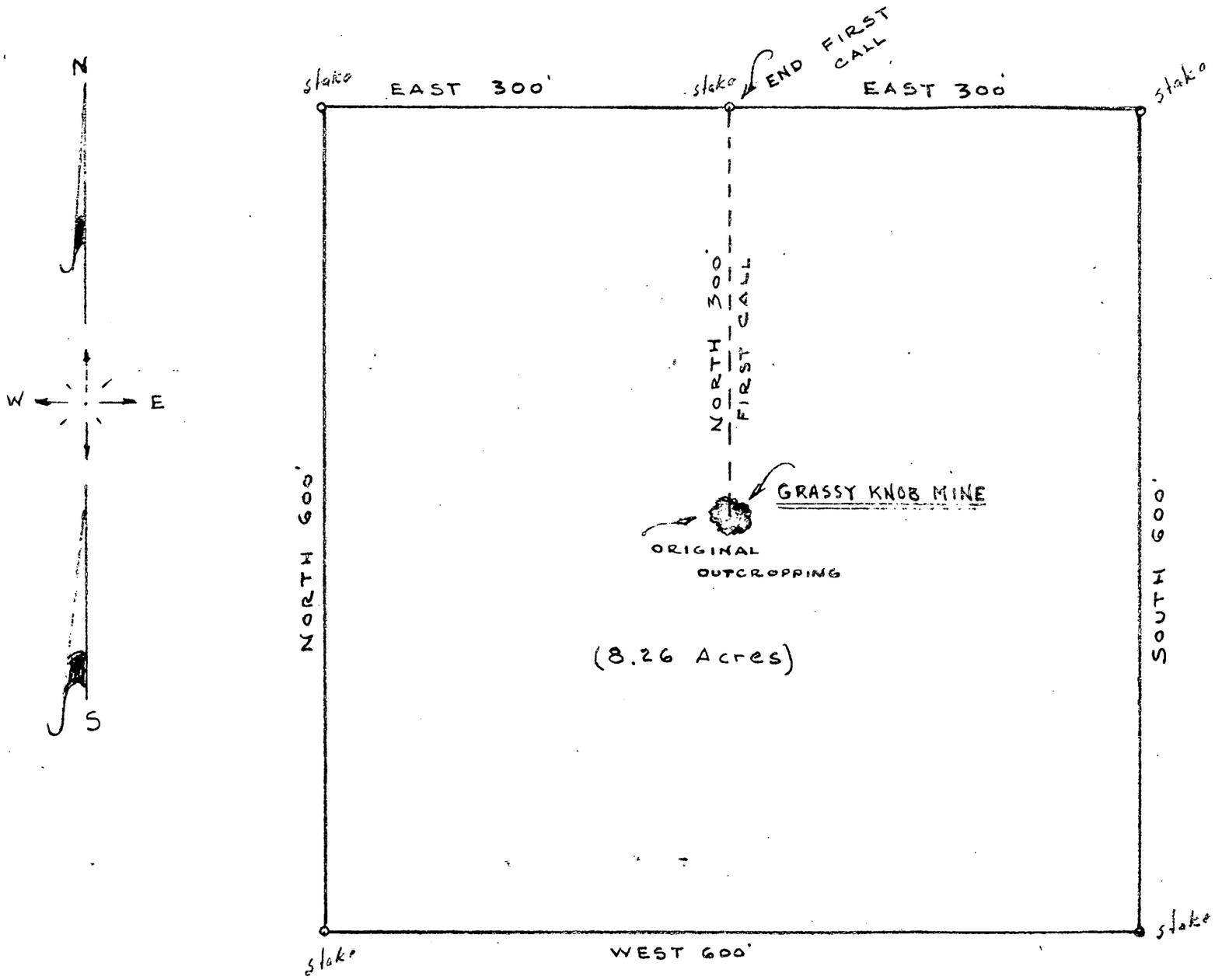
This 30th day of July, 1952.

Mary Vance Orr
Deputy CLERK SUPERIOR COURT.

Will [illegible] 200
[illegible]

North Carolina,
Yancey County.
Filed for Registration on the 30th
day of July 1952 at
12:30 o'clock P.M. and registered
in the Office Register Deeds, and
verified this 11th day of
August 1952 at 2:15
o'clock P.M., in Book 109 of
Deeds on page 629 etc.

Yates Bennett
Register of Deeds




PLAT OF GRASSY KNOB MINING LEASE
ON CATTAIL CREEK
YANCEY COUNTY, N. C.
B.W. GRIGGS & H. CLINE WEST, LESSEES.

Scale 1" = 100'  Aug. 27th, 1952
D. M. Sholes, Engineer
Burnsville, N.C.

Form MF-103

1. (a) See copy of lease and plat. - NOT RECEIVED IN R+R, 8-27-52. SD

(b) Copy of lease attached to original Form MF-103.

(c) See copy of lease and plat. Both areas are the same.
No liens or encombrances are against the property. Copy of Landlord's Subordination Agreement attached. - NOT RECEIVED IN R+R, 8-27-52. SD

2. (a) Strategic mica.

(b) Property near Isom or Cattail mine and has produced some ruby mica from a shaft during colonial days. Column was lost, but there are two good pegmatite that could be explored. Ground-hog operations have located small pockets of ruby mica near the surface.

Form MF-103

3. (a) Work should consist of two stages as follows:

Stage 1 Bulldozing overburden so as to examine the pegmatite. cost $ 2,455.00

Stage 11 Sinking shaft and drifting along pegmatite so as to explore findings. cost $ 7,137.00

Total Cost Stage 1 and 2 $ 9,592.00

(b) Work can be started within 30 days after contract is signed and can be completed in four months.

MF-103

4. None available. We do not know how to make the map.

MF-103

5. There are no existing facilities on property.

| | | | |
|---|---|---|---|
| 6. | Stage 1 | None | |
| | Stage 11 | Magazine | $100.00 |
| | | Tool House | 200.00 |
| | | Bunk House and Toilet | 275.00 |

7. (a) Rented Stage 1

| | |
|---|---|
| Bulldozer with blade | $1,200.00 |
| Air Compressor | 1,150.00 |
| Hammer | 25.00 |
| | $1,375.00 |

Stage 11

| | | | | |
|---|---|---|---|---|
| Air compressor | 3 mos. | @ | $200.00 | $600.00 |
| Air Hammer | 3 mos. | @ | 25.00 | 75.00 |
| Hoist | 3 mos. | @ | 75.00 | 225.00 |
| Mine car | 2 mos. | @ | 15.00 | 30.00 |
| Sump Pump | 2 mos. | @ | 50.00 | 100.00 |
| Motor generator | 2 mos. | @ | 15.00 | 30.00 |
| | | | | $1,060.00 |

(b) Purchased Stage 1

| | |
|---|---|
| Hand tools | $50.00 |
| Drill Steel | 90.00 |
| Air hose & pipe | 75.00 |
| Dynamite & supplies | 50.00 |
| | $265.00 |

Stage 11

| | |
|---|---|
| Dynamite & supplies | $350.00 |
| Housing facilities | 575.00 |
| 12 M Timbering 4x8 @ $60 | 720.00 |
| Fan | 350.00 |
| Railing 160' @ $1.25 | 200.00 |
| Misc. supplies | 100.00 |
| | $2,295.00 |

(c) Some small tools and miscellaneous items.

MF-103

8. Stage 1

| | | |
|---|---|---|
| 1 Foreman | 160 hrs. @ $1.50 | $240.00 |
| 1 Miner | 160 hrs. @ $1.25 | 200.00 |
| 1 Mucker | 160 hrs. @ $1.00 | 100.00 |
| Insurance | | 250.00 |
| Engineer 1 day @ $25 | | 25.00 |
| | | $815.00 |

Stage 11

| | | |
|---|---|---|
| 1 Foreman | 60-8 hr. dys @ $1.50/hr. | 720.00 |
| 2 Miners | 60-8 hr. dys. @ 1.25/hr. | 1200.00 |
| 2 Muckers | 60-8 hr. dys. @ 1.00/hr. | 960.00 |
| 1 Hoist Main | 60-8hr. dys. @ 1.25/hr. | 600.00 |
| 1 Carpenter | 4-8 hr. dys. @ 1.50/hr. | 48.00 |
| 1 Laborer | 30-8 hr. dys. @ .85/hr. | 204.00 |
| 1 Engineer | 2 days @ $25/day | 50.00 |
| | | $3,782.00 |

9. Materials, supplies and engineering set forth in items 7 & 8 with exceptions of material and supplies that can be unforeseen. This material will be supplied by applicant as an addition contribution on the project.

10. (a) $ 1,000.00

(b) Yes

MF-103

11. No

Form MR-100
(March 1951)

DEPARTMENT OF INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1952

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-2677

Date received 8-27-52

Grigg and West Company
Mars Hill, North Carolina

Name and address of applicant

Date August 23, 1952

## 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) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) 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?
   (*b*) What are the byproducts, if any?
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.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   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.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*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 _____
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.
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.
   (*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.

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) |
| B. W. Grigg | Partner | None | $25,000 | | | | |
| H. C. West | Partner | None | $35,000 | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | 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.

GRIGG AND WEST COMPANY
MARS HILL, NORTH CAROLINA

MF-100

1. (a) Strategic mica
   (b) Feldspar

2. (a) 60 feet
   (b) 90 feet
   (c) None
   (d) Bulldozing over burden to expose pegmatite mine. Mine is not flooded but may require a sump pump at bottom of shaft or in stope.

3. (a) 18 miles South of Burnsville, North Carolina.
   (b) Spruce Pine area
   (c) Pensacola Township
   (d) Yancey County, North Carolina

4. (a) Property is not in operation
   (b) Lessee

5. (a) Some production in colonial mica days, but we do not have a record of production. Operation can begin within 30 days after exploration contract is signed and approved.

6. (a) H. C. West has had 15 years experience in electrical construction as electrician and superintendent of construction.
   B. W. Grigg has had 20 years experience in heavy dirt moving construction including tunnel work. For the past five years owned and operated bulldozer, pans, trucks and shovels.

   (b) John Gouge has had 12 years experience in Feldspar and Mica mining.
   Lewis Edge has had 16 years experience in mica mining.

7. (a) An old shaft was dug approximately 18 feet and a small amount of ruby mica was obtained. Work suspended at closing of colonial mica buying program.
   (b) Property is close to the Isom or Cattail Mine.
   (c) None available to knowledge of applicant.

8 & 9. See Form 100.

10. Not applicable.

11. 500 to 1000 lbs. of mica could be produced per day providing the mica column is located.

12. There has never been a study made by Geologist or Mining Engineer to determine the ore reserves.

13. Mine locates 1/4 mile from Isom Mine. Access road bulldozed out around mountain but not graveled.

14. Water will be available at all seasons, but will have to be pressure pumped during extreme dry seasons.

15. Power will be supplied during exploration period by portable motor generator.

16. Not applicable.

17. Not applicable.

18. Mine is not in operation at present time.

(*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:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

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.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

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.

**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.

Grigg and West Company
(Name of company)

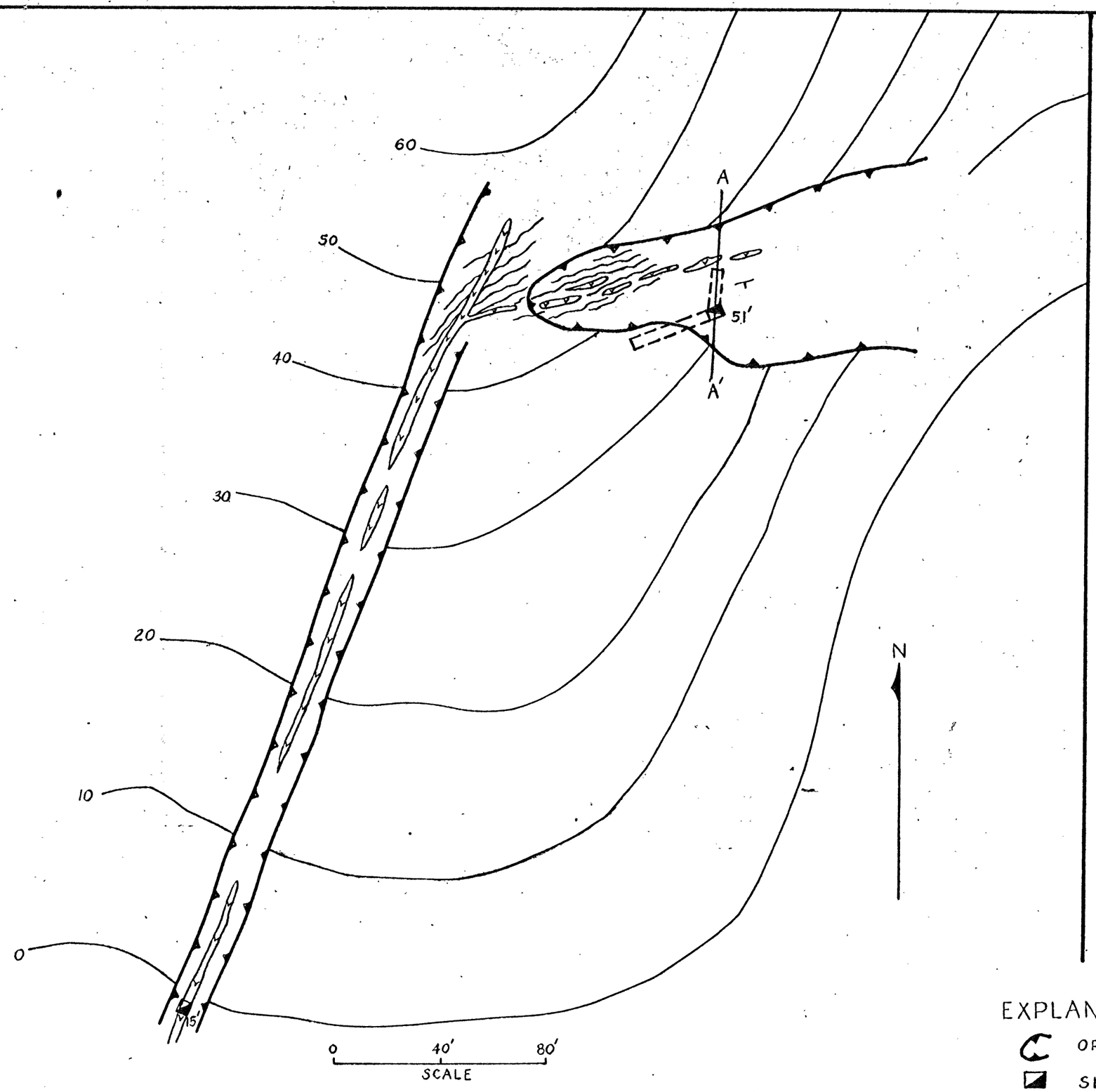
By Bruce Grigg
(Signature of authorized official)

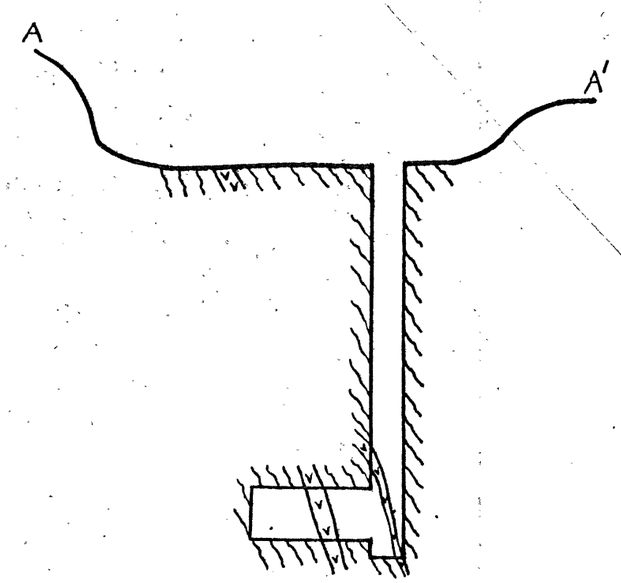
August 23, 1952
(Date)

Partner
(Title)

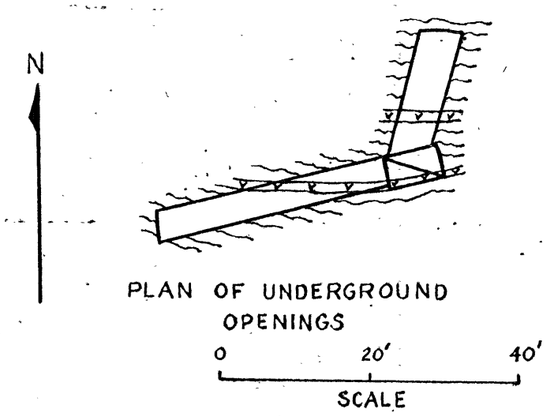
**Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

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




SECTION ALONG A-A'
LOOKING EAST



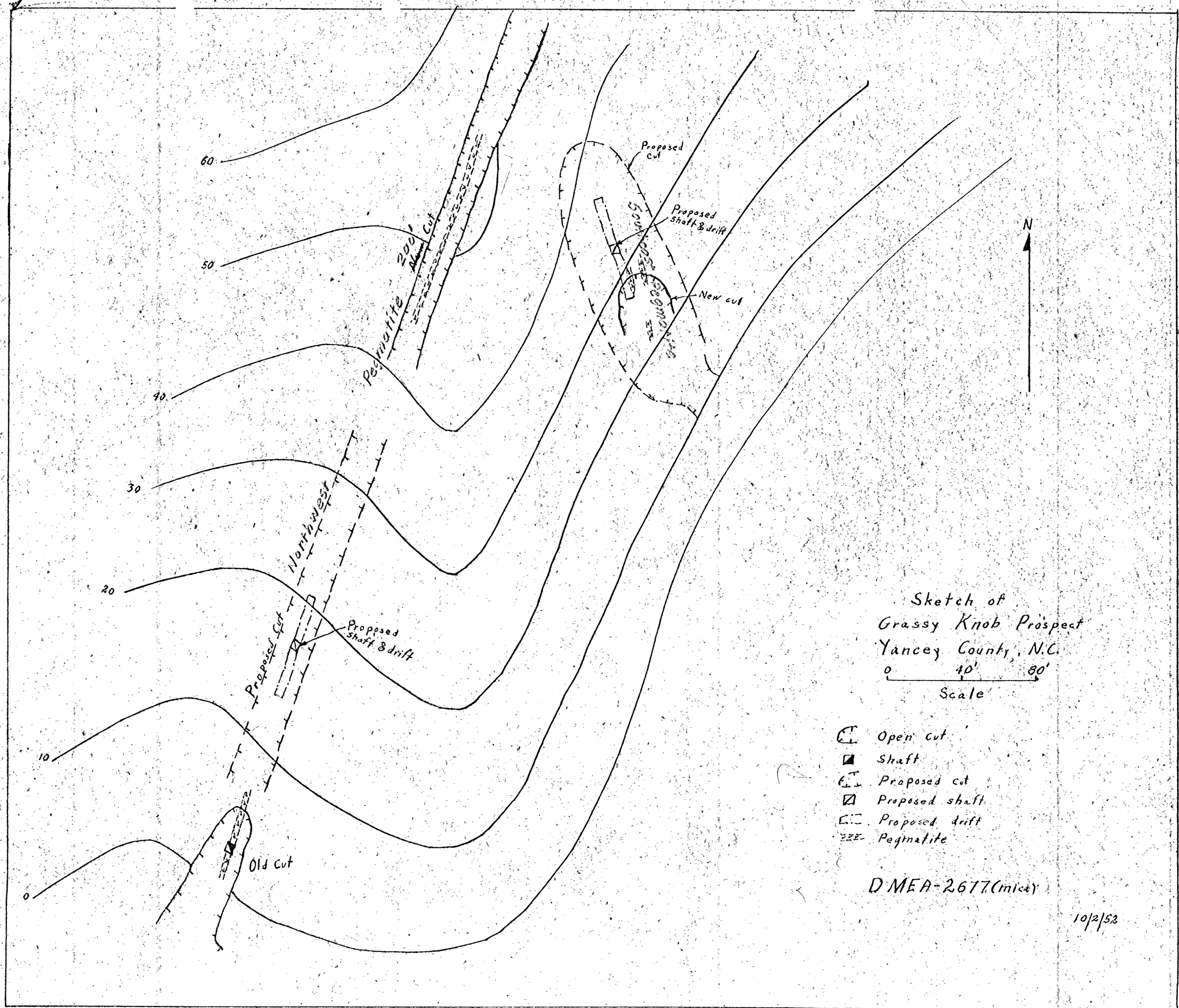

PLAN OF UNDERGROUND OPENINGS

EXPLANATION

- OPEN CUT
- SHAFT
- PEGMATITE
- BIOTITE GNEISS

SKETCH OF GRASSY KNOB PROSPECT
YANCEY CO., N.C.

DMEA-2677 (mica)


60
50
40
30
20
10
0
Pegmatite
200' Cut
Proposed Cut
Proposed Shaft & drift
New cut
Northwest
Proposed Cut
Proposed Shaft & drift
Old Cut
N
Sketch of
Grassy Knob Prospect
Yancey County, N.C.
0
40'
80'
Scale
Open cut
Shaft
Proposed cut
Proposed shaft
Proposed drift
Pegmatite
DMEA-2677 (mica)
10/2/52