EXPLORATION PROJECT CONTRACT
HARDY CALVIN CABLE
DMEA-3030, Idm-E 565 (mica)

Pulsin 6/16/54

AMENDMENT NO. 2

It is agreed this 20th day of April 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Hardy Calvin Cable, Hazelwood, North Carolina, each acting in consideration of the other to the terms hereinafter set forth, that Exploration Project Contract Idm-E 565, Docket No. DMEA-3030, dated July 9, 1953 be modified and further amended as of the date of the contract as follows:

In Exhibit "A"

(a) Under "Description of the Work" delete the words "on the pegmatite" in item 3 and add the words "and/or crosscut" after the word "Drift" in item 5.

(b) Under "Agreed Unit Cost" add the words "and/or crosscutting after "Drifting" in item 5.

This amendment is necessary because between 30 and 40 feet in the winze the pegmatite changed dip slightly and went out on the north side.

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

THE UNITED STATES OF AMERICA

By: W. M. Beck
ACTING EXECUTIVE OFFICER
DMEA REGION VII

By: Hardy Calvin Cable
Hardy Calvin Cable, Operator

April 20, 1954

Do[illegible] Copy

Bulin 4-1-54

EXPLORATION PROJECT CONTRACT

DMEA-3030, Idm-E 565
(mica)

AMENDMENT No. 1

Contract Docket No. DMEA-3030, Idm-E 565, dated July 9th, 1953 between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the Government, and Hardy Calvin Cable, Hazelwood, N. C., hereinafter called "Operator," is hereby amended as follows:

1. Article 3 is amended to read,"..... and shall bring the project to completion within a period of fourteen (14) months from date of contract," instead of eight months as written in the original contract.

March 4, 1954.

THE UNITED STATES OF AMERICA

By Robert A. Lawrence

BY: Hardy Calvin Cable
Hardy Calvin Cable, Operator

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 4 of the contract form.

sm

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 3030

COMMODITY Mica

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

Docket copy

IDM-E 565

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 9th day of July, 195 3, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Hardy Colvin Cable
Hazelwood, North Carolina

hereinafter called the "Operator," as follows: and as set forth in Annexes I and II, attached hereto and made a part hereof

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Macon, described as ~~follows:~~[3] 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:
(1) Deed of Trust dated Aug. 9, 1952, recorded in Book No. 46, page 17, Public Registry of Macon County, N. C., and
(2) Ownership of one-half the mineral rights by Jerdy Passmore; for the former, a Subordination Agreement, and for the latter an ~~(b) [illegible]~~ Owner's Consent to Lien is attached.

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

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

in or upon the described land; and shall bring the project to completion within a period of eight (8) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 90 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $6,390.00, which is 90 percent of $7,100.00 the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 9. *Changes and added provisions* _____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

HARDY CALVIN CABLE
(Operator)

By Hardy Calvin Cable

By C. Mittendorf
Administrator, Defense Minerals Exploration Administration

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

Hardy Calvin Cable [CORPORATE SEAL]

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

EXPLORATION PROJECT CONTRACT
HARDY CALVIN CABLE
DOCKET NO. DMEA-3030

ANNEX I

The land referred to in Article 2 of the contract form is part of a tract of land in Macon County, North Carolina, set forth in a deed to the Operator recorded in the Records of Macon County, North Carolina, Book N-4, page 355. The land is more particularly described as follows:

> Beginning on a double chestnut S.W. corner of the Holbrooks tract, then south 62 E 10 poles to a chestnut Dills corner. Then north 51 E 90 poles to a white oak stump corner of Holbrooks and Dills land. Then north 15 poles to a hickory in County line. Then a west course passing a black walnut and an apple tree to a stake and black oak. Then south 50 E 60 poles to beginning.

EXPLORATION PROJECT CONTRACT
HARDY CALVIN CABLE
DOCKET NO. DMEA-3030

ANNEX II

The following provisions are in lieu of all of paragraph (a) of Article 6 which precedes the colon:

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

EXPLORATION PROJECT CONTRACT
HARDY CALVIN CABLE
DOCKET NO. DMEA-3030

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica is to be accomplished by the work indicated on the attached map entitled "Sketch of Turkey Nob (Passmore) Mine, Macon Co., N.C., DMEA-3030," and described below.

1. Rehabilitate existing 130-foot adit by making the cross section 5 feet by 7 feet, making the grade uniform and timbering where necessary.

2. Excavate and timber hoist station 10 feet by 10 feet by 8 feet high and construct headframe for winze.

3. Sink not more than 55 feet of 2-compartment winze, 5 feet by 7 feet in cross section on the pegmatite. The winze shall be equipped with approved ladders and, if steeper than 50 degrees shall have a partition between compartments.

4. Timber winze where necessary.

5. Drift not more than 80 feet from the 50-foot point in the winze, 5 feet by 7 feet in cross section and timbered where necessary.

The location, direction, and extent of all work shall have prior approval of the Government.

Agreed Unit Costs

1.	Rehabilitating adit - 130 feet @ $8.00/ft.	$1,040.00
2.	Excavating hoist station and constructing winze 1/ headframe	510.00

1/The unit is the completed station and headframe.

3.	Sinking winze 55 feet @. $42.00/ft.	$2,310.00	
4.	Timbering winze 55 feet @ $8.00/ft.	440.00	
5.	Drifting 80 feet @ $35.00/ft.	2,800.00	
	Total Agreed Unit Costs		$7,100.00
	Government participation @ 90%		$6,390.00

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of South Carolina, County of Dixon, described as follows:1/ [illegible]

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/ [illegible]

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 28 day of May, 1953.

Jerry Passmore [Seal]

_____ [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.

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.

MF-201
(June 1951)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

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

Deed of Trust dated 9 August, 1952, recorded in Book No. 46, page 18, public Registry of Macon County, N. C.

upon that certain parcel of ground not to exceed three (3) acres described in a certain Exploration Project Contract dated April 7th, 1953, between Hardy Calvin Cable,

and the United States of America;

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

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

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

Dated this 5th day of May, 1953

Alex Moore

Ada Moore

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

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

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 3030

COMMODITY Mica

Herewith:
Exhibit A 6 copies
Map 6 copies
MF203 6 copies
MF201 6 copies

RECEIVED
JUL - 1 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Hardy Calvin Cable, Hazelwood, North Carolina

hereinafter called the "Operator," as follows: as set forth in Annexes I and II attached.

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Macon, described as ~~follows:~~[3]

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:
(1) Deed of Trust dated Aug. 9, 1952, Recorded in Book No. 46, page 17, Public Registry of Macon County, N.C. and
(2) ownership of one half the mineral rights by Jerdy Possmore, for the former, a subordination Agreement and for the latter, an ownership [illegible]

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

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

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

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

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 90 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $6390.00, which is 90 percent of $7100.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

_____
(Operator)

By _____

By _____

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

_____ [CORPORATE SEAL]

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

Ex. A
Cont'd

3030

4. Timber winze where necessary.

5. Drift not more than 80 feet from the 50 foot point in the winze, 5 feet by 7 feet in cross section and timbered where necessary.

The location, direction, and extent of all work shall have prior approval of the Government.

Agreed Unit Costs

1. Rehabilitating adit - 130 feet at $8.00/ft	$1040.00
2. Excavating hoist station and constructing winze[1]	510.00
3. Sinking winze - 55 feet at $42.00/ft	2310.00
4. Timbering winze - 55 feet at $8.00/ft	440.00
5. Drifting - 80 feet at $35.00/ft	2800.00
Total Agreed Unit Costs	$7100.00
Govt. contrib at 90%	$6390.00

[1] The unit is the completed station and headframe.

Hardy Calvin Cable
Turkey Nob (Passmore) Mine
Exhibit A 3030-mica

Description of the Work

Exploration for concentrations of strategic mica is to be accomplished by the work indicated on the attached map entitled "Sketch of Turkey Nob (Passmore) Mine, Macon Co., N.C., DMEA-3030" and described below.

1. Rehabilitate existing 130 foot adit by making the cross section 5 feet by 7 feet, making uniform the grade, and timbering where necessary.

2. Excavate and timber hoist station 10 feet by 10 feet by 8 feet high and construct headframe for winze.

3. Sink not more than 55 feet of 2 compartment winze, 5 feet by 7 feet in cross section on the pegmatite. The winze shall be equipped with approved ladders and, if steeper than 50 degrees shall have a partition between compartments.

(more)

45' shaft

50

2250

80' drifting

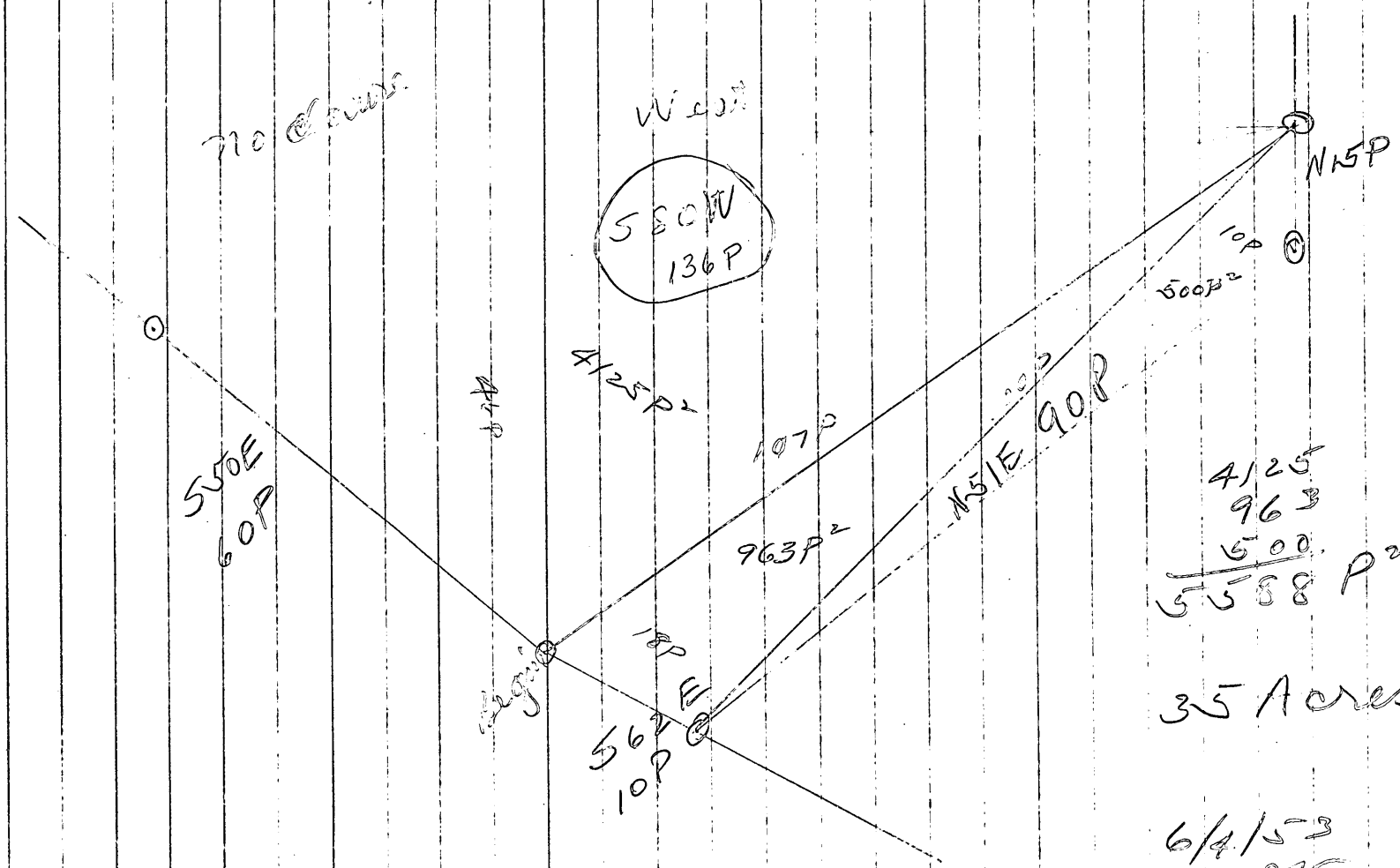
45

3600

2250

5850

H. C. Cable
Passmore Mine
DMEA 3030



4125
963
500
5588 P²

35 Acres.

6/4/53

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3030

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration Assistance

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

Copies to USGS, USBM and retained in Reg. VII.

Routing Slip

To:	Code 600, Rm. 4637	Date	5/11/53
To:	Fr. Flov	Date	5/11/53
To:	Oper Com	Date	5-20-53
To:	Oper Com	Date	7-8-53
To:		Date	
To:		Date	
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

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

Project Summary Report

By: Walter C. Anderson WCA November 10, 1954 JH

1. Docket No. DMEA-3030 - Mica
Contract No. Idm-E565
Turkey Knob (Passmore) Mine
Macon County, North Carolina

Operator: Hardy Calvin Cable
Hazelwood, North Carolina

Application: Form MF-103, received May 11, 1953.
Work proposed: Shaft and drifts - footage not specified.
Amount requested: Shaft $50/ft. - drifts $45/ft.

Operator's property rights: One-half ownership of mineral rights. Jerdy Passmore, owner one-half mineral rights.
For Hardy Calvin Cable - Subordination Agreement.
For Jerdy Passmore - Owner's Consent to Lien.

2. Contract - dated July 9, 1953 (Form MF-200 (A) February 1952)

Work authorized:

Rehabilitating adit - 130 feet @ $8.00/ft.	$1,040.00
Excavating hoist station	510.00
Sinking winze - 55 feet @ $42.00/ft.	2,310.00
Timbering winze 55 feet @ $8.00/ft.	440.00
Drifting 80 feet @ $35.00/ft.	2,800.00
Total agreed unit costs	$7,100.00
Government participation @ 90%	$6,390.00

Amendments:

No. 1 - 3/4/54 - extends completion date from 8 months to 14 months.
No. 2 - 4/20/54 - deletes words "on the pegmatite" and adds the words "and/or crosscut".
No. 3 - 8/10/54 - substitutes "drifting from the winze" for "drifting from the 80-foot point in winze".

Work completed:

Rehabilitating adit - 130 feet @ $8.00/ft.	$1,040.00
Excavating hoist station	510.00
Sinking winze - 55 feet @ $42.00/ft.	2,310.00
Timbering winze - 45 feet @ $8.00/ft.	360.00
Drifting 73 feet @ $35.00/ft.	2,555.00
Total accepted cost	$6,775.00
Government participation @ 90%	$6,097.50

Work began on July 22, 1953, and completed on August 9, 1954. There was no production of mica.
Field Team Final Report received September 7, 1954.
Operator's Final Report received September 17, 1954.

3. Audit - certificate issued September 23, 1954.

Accepted cost	$6,775.00
Government participation	6,097.50

4. Certification of discovery - none issued.

5. Comments:

How conducted - Operator required considerable prompting to follow safe mining practice. Did not follow suggestions closely, nor give undivided attention to completion of the project.

Operation - slow and inefficient.

Engineering - Operator's reports, including the final report, were inadequate. Did not give details as to labor, supplies, character of rock formation encountered, etc. In shaft sinking did not follow the pegmatite when it veared away about half way down. Spent considerable drifting in searching for pegmatite when it was probable that it had bottomed higher up. Too much work in country rock.

Geological premise: The premise that a pegmatite containing minable quantities of strategic mica would be found in depth did not materialize.

Geological criteria upon which work was based:
1. Zoned pegmatite - pinching and swelling abruptly from three inches to five feet.
2. Mica of good quality.
3. Past production.

Criteria developed during project - none.

Future possibilities - enough exploratory work was done to indicate no mica exists in this property below the old workings.

Recommendations:

The Nonmetallic Minerals Division concurs in field team's recommendation that a certification of discovery or development should not be issued. The Geological Survey and the Bureau of Mines are in agreement.

Because the performance by the Operator in carrying out the terms of the contract was below expected minimum standards, no closing letter is written.

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

Received
SEP 20 1954

September 17, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-3030 (mica)

Applicant: H. C. Cable

Name and Location of Property: Turkey Knob (Passmore)
Macon County, North Carolina

Contract Number: Idm-E565

Date of Field Team Final Report: September 3, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: September 14, 1954

Field Team Recommendation: Denial of certification.

Comments:

1. Exploration, which began on July 22, 1953 and was completed on August 9, 1954, consisted of sinking a 55-foot winze and drifting 40 feet from the 50-foot level and 33 feet from the 29-foot level.

2. Expenditures

Total approved	$7,100
Total cost	6,775
Gov't. share	6,097
Value	none

Recommendation:

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

Donald R. Irving

Donald R. Irving

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

September 15, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: Operators Final Report, DMEA-3030, Idm-E 565 (mica)
Hardy Calvin Cable, Passmore Mine, Macon County, N. C.

Transmitted are four copies of the subject report. The Field Teams final report was sent to your office September 3, 1954.

Robert A. Laurence

Robert A. Laurence

General Manner of Work done on Passmore Mine

DMEA 3030
IDME 565

Received
SEP 17 1954

Work was started on this project July 22, 1953 and was completed Aug. 9, 1954.

This project was in four units.

Unit 1. Rehabilitating adit 130 ft.

We drifted in south and north directions 130 ft. with a 5'X7'.

Unit 2. Excavated hoist station, 10'X10'X8' high. Constructed head frame.

Unit 3. Sinking winze and timbering when necessary.

We went down 55 ft. 5'X7'. At the 50 ft. level we floored the winze leaving a 5' water hole. There we started building manway to the hoist room. The manway was built with a rest station every 10 ft. At the 50 ft. level we

started drifting.

Unit 4. Drifting

At the 50 ft. level we drifted 33 ft. north. Then running east and west we cross cut 7 ft. We had not found any sign of mica at this point and were instructed to come up to 29 ft. level and drift and cross cut. We drifted north 15 ft. We cross cut east to west 18 ft. At this point we had not found mica so with only 73 ft. drifting the project was declared complete.

General manner of Work done on Pasamore Mine, DME A3030 IDME-565

RECEIVED SEP 17 1954

Work was started on this project July 22, 1953 and was completed Aug. 9, 1954.

This work was in four units.

Unit 1 Rehabilitating adit 130 ft.

We drifted in south and north dilections 130 ft. With a 5'X7'.

Unit 2. Excavated hoist station, 10'X10'X8' high. Constructed a head frame.

Unit 3. Sinking winze and timbering when necessary.

We went straight down 55 ft. 5'X7'. At the 50' level we floored the winze leaving 5 ft. for water hole. There we started manway to the hoist room. The manway was built with a rest station every 10 ft. At the

50 ft. level we started drifting.

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At the 50 ft. level we drifted 33 ft. north. Then running east and west we cross cut 7 ft. We had not found any sign of mica at this point and were instructed to come up to 29 ft. level and drift and cross cut. We drifted north 15 ft. We cross cut east to west 18 ft. At this point we had not found mica so with only 73 ft. drifting the project was declared complete.

General Manner of Work done on Passmore Mine

DMEA 3030
DME 565
Veterans' Administration
RECEIVED
SEP 17 1954

Work was started on this project July 22, 1953 and was completed Aug. 9, 1954.

This project was in four units.

Unit 1. Rehabilitating Adit 130 ft.

We drifted in south and north directions 130 ft. with a 5'X7'.

Unit 2. Excavated hoist station, 10'X10'X8' high. Constructed a head frame.

Unit 3. Sinking winze and timbering when necessary.

We went straight down 55 ft. 5' X 7'. At the 50' level we floored the winze leaving 5 ft. for water hole. There we started building manway to the hoist room. The man way was built with a rest station every 10 ft. At the

50ft. level we started drifting.

Unit 4.

Drifting

At the 50ft. level we drifted 33ft. north. Then running east and west we cross cut 7ft. We had not found any sign of mica at this point and we were instructed to come up to 29ft. level and drift and cross cut. We drifted north 15ft. We cross cut east to west 18ft. At this point we had not found mica so with only 73ft. drifting, the project was declared complete.

RECEIVED
SEP 15 1954
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville, Tennessee

IN REPLY REFER TO:

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

Defense Minerals Exploration Adm.
REC.
SEP 14 1954

September 13, 1954

Re: DMEA-3030
Turkey Knob (Passmore)
Mine
Macon Co., N. C.
$7,100 - Mica

Memorandum

To: L. G. Houk
Defense Minerals Exploration Administration

From: E. L. Newcomb
U. S. Geological Survey

Subject: Review of Final Field Report

The Field Team recommends no certificate of discovery be issued.

No mica was discovered and further DMEA exploration assistance is not warranted.

Negative results from exploration indicate certification not required.

E. L. Newcomb
E. L. Newcomb

Docket Copy
Surname:
Anderson
Houk
Selfridge
Johnson
Matthews

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

SEP 10 1954

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

Subject: Docket No. DMEA-3030 - Mica
Hardy Calvin Cable
Turkey Knob (Passmore) Mine
Macon County, North Carolina
Contract No. Idm-E565

Dear Mr. Laurence:

Reference is made to Field Team Interim Report of August 9, 1954, and your memorandum of August 19, 1954, recommending the subject contract be considered completed as only seven feet of drifting remains. We note the pegmatite has pinched out at both ends of the drift.

Please be advised that the contract may be considered completed because substantially all the work has been finished.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (246)

Approved:

J. H. Hedges
Member, Bureau of Mines (246)

Thor H. Kiilsgaard
Member, Geological Survey (246)

WCAnderson:gad 9/7/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5227
Mr. Houk

R.C.L.

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

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

September 9, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 3 - Docket No. DMEA-3030 - Mica
Hardy Calvin Cable
Turkey Knob (Passmore) Mine
Macon County, North Carolina
Contract No. Idm-E565

The Nonmetallic Minerals Division concurs in Amendment No. 3 to the subject contract as written and executed in the field, noting that the justification for the crosscutting on the 29-foot level was considered inadequate.

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

September 3, 1954

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Final Report, DMEA-3030, Idm-E 565 (mica) Hardy Calvin Cable. Turkey Knob (Passmore) Mine, Macon County, N. C.

Enclosed are four copies of the subject final report by the Field Team. The Operator's final voucher and final engineering and geologic report have not been received yet, but the figures given inthis report include amounts which will be approved on the final voucher.

We agree with the recommendation that certification of discovery should not be issued for this contract.

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

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

Reviewed by
DMEA OPERATING COMMITTEE
9-13-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
BY
FIELD TEAM, REGION VII

On

DMEA-3030, TURKEY KNOB (PASSMORE)MINE
Macon County, North Carolina

(mica)

By

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

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

Sept. 1, 1954

Reviewed by
DMEA OPERATING COMMITTEE

9-13-54
(date)

FINAL REPORT
On
DMEA-3030, Idn-E 565, (mica)
TURKEY KNOB (Passmore) MINE

Operator: Hardy Calvin Cable, Hazelwood, North Carolina

The Turkey Knob (Passamore) mine is 7.7 airline miles N. 66° E. of Franklin, Macon County, North Carolina just south of the Macon-Jackson County line.

Work completed under the contract consisted of rehabilitation of an existing 130-foot adit; excavation of a hoist station; sinking a 55-foot vertical winze, 45 feet of which was timbered; and driving 73 feet of laterals from this winze. As no mica was discovered, no certification of discovery should be issued, nor is additional exploratory work warranted.

Work began on July 22, 1953 and was completed August 9, 1954. An existing 130-foot adit was enlarged to 5' x 7' in cross-section and timbered where necessary. At the head of this adit a hoist station 10' x 10' x 8' high was excavated and a 55-foot vertical winze sunk. The latter had a partitioned manway, was 5' x 7' in cross section and was timbered to a depth of 45 feet. From the 50-foot level of this winze a total of 40 feet of laterals were driven; a 33-foot crosscut northward from the shaft and a 7-foot drift in a N. 70° W. direction from a point in the crosscut 6 feet from the shaft. A total of 33 feet of level work was driven from the 29-foot level of the winze; a 15-foot crosscut northward from the shaft and 18 feet of drifts from a point in the crosscut 3 feet from the shaft, 9 feet in a N. 70° W. direction and 9 feet in a S. 70° E. direction.

A conformable pegmatite which is thin and in part poorly defined is exposed in the laterals. At the 50-foot level a zone of mixed pegmatite and country rock, biotite-garnet gneiss, about 4 feet thick is present. Northwestward from the crosscut this zone becomes a stringer about 6 inches thick which terminates abruptly, the total strike length of the zone and stringer being about 10 feet. A 6-inch pegmatite which strikes N. 70° W. and dips steeply northeast is exposed in the laterals at the 29-foot level. Its strike length at this level is about 20 feet, terminating near the head of the drifts. The pegmatite is unzoned and consists of perthite, quartz, and plagioclase, in order of abundance.

Expenditures:	(a) Total approved	7,100.00
	(b) Total cost of project	6,775.00
	(c) Government's share of cost	6,097.50
	(d) Government's share unexpended	292.50
	(e) Value of production	None

Work during the project was conducted in a satisfactory manner. No equipment was purchased under the contract.

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

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

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

August 30, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region VII

Subject: Amendment No. 3, on Idm-E 565, DMEA-3030, Hardy C. Cable (mica)

Transmitted are three signed copies of the subject Amendment.

This amendment was needed because crosscutting at the 50-foot level indicated that the pegmatite had bottomed above that level; it was thought worthwhile, and in the Government's interest to explore for it at a higher level.

Robert A. Laurence

Robert A. Laurence

RECEIVED
OCT 7 - 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

August 19, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: DMEA-3030, Idm-E 565 (mica) Hardy C. Cable, Hazelwood, N. C.
Turkey Knob (Passmore)Mine, Macon County, N. C.

Enclosed are four copies of the latest interim report on the subject contract.

We are considering it completed, although only 73 of the 80 feet of level work was done, and therefore, we do not request permission to terminate. Certification will not be recommended.

Hindsight being better than foresight, it would now appear that some of the crosscutting was futile, as suggested in your letter of August 6. However, in the judgment of the field examiners - before the crosscutting was done--it looked like a good possibility that the pegmatite or related pegmatites might lie beyond the pegmatized zone cut in the crosscut. We are inclined to encourage such initiative on the part of the geologists who, after all, are on the site and should be best able to predict conditions. The alternative would be to close down the project with a feeling that it had not been adequately tested, or to advise the Operator to sit tight (meanwhile paying rent on equipment, and laying off his crew) until they could get an answer from Knoxville and Washington. As Amendment No. 2 provided for crosscutting to intersect the pegmatite and as there was uncertainty that the main pegmatite had been reached, we agreed that it was a reasonable gamble.

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

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

INTERIM REPORT

ON

DMEA-3030, Idm-E565, TURKEY KNOB (PASSMORE) MINE
(mica)

Operator: Hardy Calvin Cable, Hazelwood, N. C.

Location: 7.7 miles N. 66° E. of Franklin, Macon County, N. C., and just south of the Macon-Jackson County line.

Lateral work completed on this contract now totals 73 feet. All work done since the last interim report has been confined to the 29-foot level.

The crosscut to the north was advanced to a total of 15 feet from the shaft. Drifts were driven along narrow (6 inch) pegmatite in both directions from a point in the crosscut 3 feet from the shaft; 9 feet in a N. 70° W. direction and 9 feet in a S 70° E. direction. The pegmatite terminates near the head of both drifts.

It is recommended by the field examiners that the remaining footage (7 feet) of the contract not be completed.

Date of exam: August 9, 1954

K. H. Teague D. H. Amos

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

z

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

cc: Beck
Lynch
Opr. Com-2
Files

August 19, 1954

Mr. Hardy C. Cable

Hazelwood, North Carolina

Re: DMEA-3030, Idm-E 565 (mica)
Turkey Knob (Passmore)Mine
Amendment No. 3.

Dear Mr. Cable:

In order to properly authorize the crosscutting and drifting at the 29-foot level in the winze at the Passmore mine, recommended by Mr. Teague, it is necessary to amend the contract. Therefore, I have enclosed six copies of Amendment No. 3. Please sign all six copies, keep one and return the original and all others to me.

It is my understanding that you and Mr. Teague have agreed that sufficient work has been done with the present 73 feet of level work from the winze and that the project is therefore completed. As your voucher and monthly report for this work done in August will be the final one, please submit your final geological and engineering report (5 copies), as required under Article 5 b of the contract, at the same time so as to avoid delay in payment of the final voucher.

Very truly yours,

Robert A. Lawrence
EXECUTIVE OFFICER
DMEA REGION VII

RAL/zm

Docket Copy
Surname:
Anderson
Houk
Selfridge
Mitchenoff

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

AUG 3 1954

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

Subject: Docket No. DMEA-3030 - Mica
Hardy Calvin Cable
Turkey Knob (Passmore) Mine
Macon County, North Carolina
Contract No. Idm-E565

Dear Mr. Laurence:

Reference is made to Field Team Interim reports of June 14, 1954, and June 28, 1954, on the subject mine.

According to the first of the above reports a four foot thick pegmatized zone was cut in the crosscut at four to eight feet from the shaft on the 50-foot level. In the June 28 report the pegmatized zone is referred to as a stringer which was followed for seven feet when it pinched out. The Field Team says future work will advance the crosscut which is now at 16 feet.

Might it not be that the aforesaid pegmatized zone is the extension of the pegmatite we are exploring? In that case additional crosscutting might not be justified there. Please follow the description of the work in the contract in the future and avoid unnecessary dead work.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Approved:

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

S/ E. L. Newcomb (GCS)
Member, Geological Survey

WCAnderson:gad 8/4/54
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

R.C.S.

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

August 2, 1954

Memorandum

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

From: DMEA Field Team, Region VII

Subject: Docket No. DMEA-3030 (mica) Hardy Calvin Cable, Applicant
Turkey Knob (Passamore) Mine. Macon county, N. C.
Idm-E 565,

Refer to your letter of July 27, 1954, on the subject project.

The Operator is not justified in claiming timber cost for the entire 55-foot winze. The 5-foot sump is not timbered, nor is the last 5 feet above the winze. The Operator should be paid for 45 feet of timber; therefore, on the next voucher, cost of timbering the 10 feet previously paid will be deducted.

The winze is timbered with round and split timber, using stulls and lagging set on 5-foot intervals. The winze is 2-compartment, with lagging between the ladder and hoistway.

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

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

FILE COPY
Surname:

Hah
Selfridge
Williamson

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

JUL 27 1954

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

Subject: Docket No. DMEA-3030 - Mica
Hardy Calvin Cable
Turkey Knob (Passmore) Mine
Macon County, North Carolina
Contract No. Idm-3565

Dear Mr. Laurence:

Reference is made to the subject contract and the approval of 55 feet of timbering at $8.00 per foot.

The contract provided for a two compartment shaft with ladders at $42.00 per foot and separately for timbering when necessary at $8.00 per foot. The latest monthly report indicates that the entire winze (including the sump) is timbered. Is this the case? Please indicate the type of timbering in the winze (cribbing, square sets, or stulls and lagging) and whether the Operator is justified in claiming the entire $440.00 for this work.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Approved:

J. H. Hedges

Member, Bureau of Mines (JHB)

D. M. Larrabee

Member, Geological Survey (JHB)

LGHouk:ag 7/23/54
Copy to: Admr R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

R.C.G.

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

INTERIM REPORT

ON

DMEA-3030, Idm-E 565 (mica)

TURKEY KNOB (Passamore) MINE

Operator: Hardy Calvin Cable, Hazelwood, North Carolina

Location: 7.7 miles N. 66° E. of Franklin, Macon County, N. C., and just south of the Macon-Jackson County, Line in Macon County.

Crosscutting continues on this contract and combined with a 7-foot drift, now totals 51 feet. Recent work consisted of driving an 11-foot crosscut to the north from the 29-foot level.

Material encountered in this last lateral consists of biotite schist and a pegmatite "stringers" about 6 inches thick. The stringer is about 3 feet from the shaft and consists of kaolinized feldspar and quartz. It strikes N. 70° W. and dips 75° N.

The Operator was advised to advance the crosscut about 8 feet. Recent progress on this contract has been satisfactory.

Date of exam: July 26, 1954.

D. H. Amos

D. H. Amos, Geologist
U. S. Geological Survey

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INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Crosscutting continues on this contract and combined with a 7-foot drift, now totals 30 feet. Actual measurements could not be made because of water in the mine and material examination was made on the dump. The operator was advised to continue crosscutting to the north for an additional 5 feet. If no pegmatite is encountered in a total distance of 35 feet, it was suggested that a new crosscut be started from the 30-foot shaft level to the north. Work from the shaft bottom has been very discouraging and the possibility exists that the pegmatite bottomed at a depth somewhat above the present shaft depth. Another visit will be made in the near future.

L. E. Shirley

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

K. H. Teague + D. H. Amos

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

July 12, 1954

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N.C.

Crosscutting continues on this contract without encountering mica bearing pegmatite. Crosscuts totaling 23 feet have been driven to the north and northwest. A pegmatite stringer was followed from the north crosscut in a N 70° W direction for about 7 feet, but pinched out. Future work will advance the north crosscut which is now at 16 feet.

It was suggested that additional work be accomplished on the manway landings to provide better access via ladderway. The operator was also advised to bar down all loose material in the working spaces.

L. E. Shirley

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

K. H. Teague

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

June 28, 1954

INTERIM REPORT

On

DMEA-3030, Idm-E 565 (mica) TURKEY KNOB MINE
(Passamore Mine)

Operator: Hardy Calvin Cable, Hazelwood, North Carolina

Location: 7.7 miles N. 66° E. of Franklin, Macon County, N. C., and just south of the Macon-Jackson County Line in Macon County, N.C.

The crosscut from the 50-foot level of the winze has been advanced to the north 10.5 feet. A pegmatized zone about 4 feet thick was cut in the crosscut at 4 to 8 feet. The zone strikes about E-W and dips 80° to the north and is conformable to the country rock, biotite-garnet schist. No strategic mica was observed in the zone.

The Operator was advised to drift wast along the pegmatized zone.

Manway and ladders are now completed.

Date of exam: June 14, 1954

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

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Shaft sinking has been completed to a total depth of 55 feet and crosscutting is underway on this contract. Turnoff was made to the north from the 50 foot level, leaving a 5 foot sump. Partition and ladder construction continues and should be completed by the next visit. Progress on this contract is slow.

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

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

May 31, 1954

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

May 24, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 2 - Docket No. DMEA-3030 - Mica
Hardy Calvin Cable
Turkey Nob (Passmore) Mine
Macon County, North Carolina
Contract No. Idm-E565

The purpose of Amendment No. 2 to Contract No. Idm-E565 is to delete the words "on the pegmatite" in Item 3 covering shaft sinking, and add the words "and/or crosscut" after the word "Drift" in Item 5 covering drifting. This is justifiable since the pegmatite dipped slightly away from the shaft near the bottom necessitating a short crosscut to reach it.

The Nonmetallic Minerals Division concurs in the amendment as written.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
HOWARD BOSTON OFFICE BLDG.
KNOXVILLE 2, TENN.

May 17, 1954

Memorandum

To: Operating Committee, DMEA- Washington

From: Executive Officer, DMEA - Region VII

Subject: Amendment No. 2 on DMEA-3030, Idm-E 565. Hardy C. Cable.

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

Robert A. Laurence

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Very little progress has been made on this contract in the past two weeks due to equipment failure and time off for farming. Turnoff has been made from the 50-ft. level to the north and two or three headings have been pulled. The operator reports "white stuff" in the last drill holes completed and another heading may place the crosscut in pegmatite. The bottom was not visited because all ladders had been removed for reconstruction.

L. E. Shirley

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

D. H. Amos

D. H. Amos, Geologist
U. S. Geological Survey

May 17, 1954

INTERIM REPORT
ON
DMEA-3030, TURKEY KNOB (PASSAMORE)MINE
Idm-E 565 (mica)

Operator: Hardy Calvin Cable, Hazelwood, North Carolina

Location: 7.7 miles N. 66° E. of Franklin, Macon County, N. C. and just south of the Macon-Jackson county line in Macon County.

The winze has been sunk a total of 52 feet, to date and a crosscut has been turned off at the 50-foot level. The latter has been advanced about 3 feet to the north. An additional 3 feet of winze is to be sunk soon; thus providing a 5-foot sump as called for in the contract.

Fresh biotite gneiss is exposed in the winze bottom and in the cross-cut.

The operator is currently rebuilding the manway and ladders as requested by the field examiners and noted in the last interim report. Former manway and ladders were neither adequate nor safe.

Exam. date: May 6, 1954.

Dewey H. Amos

Dewey H. Amos, Geologist
U. S. Geological Survey

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INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Winze sinking continues on this contract and is now at 45 ft. No change is anticipated in the target and sinking will continue to a total depth of 55 feet.

The bottom was not examined, but dump material examined shows that recent material removed is principally biotite gneiss containing secondary sulphides. No pegmatite material has been observed since that reported at 32 feet. Some suggestions were made concerning future partition and ladder work.

L. E. Shirley

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

K. H. Teague - D. H. Amos

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

April 5, 1954

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Winze sinking continues slowly on this contract and is now at 40 feet plus an undetermined amount of muck in the bottom. Approximately 12 feet of winze remains to be sunk.

Material encountered recently is all biotite gneiss. The body changed dip slightly and went out on the north side of the winze. As soon as winze sinking is complete to 55 feet a crosscut will be driven to the north to intersect the body.

A permanent partition and ladderway extends to within ten feet of the bottom. Random suggestions were made concerning additional timber work.

L. E. Shirley

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

K. H. Teague Dewey H. Amos

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

March 22, 1954

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

March 16, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3030 - Mica
Time extension. Hardy Calvin Cable
Turkey Nob (Passmore) Mine
Macon County, North Carolina
Contract No. Idm-E565

Amendment No. 1 amends Article 3 to read 14 months or September 9, 1954, as the completion date for the contract. The Nonmetallic Minerals Division concurs in the amendment as written and executed in the field.

RECEIVED
MAR 18 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

File Copy
Surname:
Houk

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

N.S. in R.R.

March 16, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 1 - Docket No. DMEA-3030 - Mica
Time extension. Hardy Calvin Cable
Turkey Nob (Passmore) Mine
Macon County, North Carolina
Contract No. Idm-E565

Amendment No. 1 amends Article 3 to read 14 months or September 9, 1954, as the completion date for the contract. The Nonmetallic Minerals Division concurs in the amendment as written and executed in the field.

LGHouk:gad 3/16/54

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

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

March 11, 1954

Memorandum

To: Operating Committee, D M E A - Washington

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

Subject: Amendment No. 1. DMEA-3030, Idm-E 565. (mica) Hardy C. Cable. North Carolina.

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

This amendment was necessary due to winter weather and access was impeded by highway reconstruction.

Robert A. Laurence

Robert A. Laurence

RECEIVED
MAR 18 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Received
MAR 10 1954

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Winze sinking continues slowly on this contract and is now at 34 feet. The bottom contained 2 feet of water and was not examined. Examination of dump material indicates that the present winze depth is in both pegmatite and country rock. Previous contact with the operator disclosed that work has been impeded because of State Highway road construction and wet winter weather. A new "drill runner" has been hired recently and progress in the future is expected to be accelerated.

Mr. W. A. Beck, member of the DMEA Field Team, Region VII, accompanied the examiners on this visit to the mine.

L. E. Shirley

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

K. H. Teague, D. H. Amos

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

February 23, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 31 1953

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, North Carolina.

Winze sinking continues slowly on this contract and is now at 32 feet. The mine was not working at the time of this visit; the winze contained 5 feet of water and the bottom could not be examined. It is reported that pegmatite material is now visible in the side of the shaft near the bottom.

Mr. R. A. Laurence, Executive Officer of DMEA, Region VII, accompanied the Field Examiners on this visit to the mine.

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

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

Dewey Amos
Dewey Amos, Geologist
U. S. Geological Survey

December 18, 1953

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N.C.

Winze sinking continues on this contract and is now at 26 feet. At the time of this visit the winze contained 10.5 feet of water and the bottom could not be examined. A later contact with the operator disclosed that the bottom is in both pegmatite and country rock, a biotite gneiss.

The operator was advised to have all workers out of the winze while hoisting is in progress. No protection is afforded the worker, at present, in case of hoist failure or rope breakage.

L. E. Shirley

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

K. H. Teague

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

December 1, 1953

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, N. C.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Winze sinking continues slowly on this contract and is now at 16 feet. Most of this depth has been sunk in both pegmatite and biotite schist, badly weathered. Hardrock was encountered at about 11 feet and will not require much timber from this point. More pegmatite section can be observed in the bottom than previously and the body appears to be dipping more toward the shaft center. Very little mica has been recovered to date.

Additional timbering of the roof section near the winze opening has been accomplished. The operator states that two shifts are now working and that faster progress will be a reality in the near future.

L. E. Shirley

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

November 3, 1953

INTERIM REPORT

DMEA-2926 Idm-E516 (mica) ENGLE COPE MINE

OPERATOR: Good Mica Mining Company, P. O. Box 263, Asheville, N. C.

LOCATION: At an elevation of about 3500 feet, 7.5 airline miles S 23° W of Dillsboro, Jackson County, N. C. via N. C. Highway No. 23.

Drifting continues to the south on this contract and is now at 111.5 feet. Pegmatite has not been visible in the heading at all times during the last 15-20 feet, but stringers and lenticular pods have been followed along the strike for this entire distance. A lense or pod, containing small mica, about 2 feet in thickness, is visible on the hanging wall in the vicinity of the present face. The operator was advised to continue drifting in the same general direction until the lateral extent of this pegmatite material can be determined. Other material removed has consisted almost entirely of biotite schist containing quartz stringers.

Recent failure of the lighting system at this mine has prompted the operator to suggest the use of Coleman gasoline lamps for lighting. The dangers of any gasoline burning equipment underground is evident and is absolutely forbidden. The operator assured this examiner that he would not resort to such practices.

L. E. Shirley

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

November 3, 1953

INTERIM REPORT

DMEA-2293 Idm-E393 (mica) D. H. STEPHENS MINE

OPERATOR: Dixie Minerals, Inc., 131 Main Street, Waynesville, N. C.

LOCATION: 2.7 airline miles N 40° E of East Laport, Jackson County, N. C. It is about 300 feet north of Moses Creek.

Drifting continues on this contract and will probably be completed within the coming week. Adit and drift footage now totals 136 feet. Pegmatite was encountered at 129 feet and 7 feet has been driven in pegmatite. The drift direction is essentially east-west and biotite schist can be observed on the south wall and partially in the present face. The pegmatite material consists of a quartz core enclosed by feldspar containing secondary sulphides. A small but rich mica zone was encountered along the north wall at 134 feet.

L. E. Shirley

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

November 3, 1953

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Winze sinking continues slowly on this contract and is now at 10 feet. Difficulties were encountered in securing a hoist and it was necessary to repeat some of the work supposedly completed during rehabilitation. A Sullivan Air Hoist has been secured, and if sufficient air power is available for operation this should speed up sinking progress. Material encountered is principally weathered schist that has required timbering. Several recommendations concerning safety were made during this visit.

L. E. Shirley

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

K. H. Teague

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

October 22, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 8 1953

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Rehabilitation of the existing adit has been completed for a total distance of 130 feet. The adit was enlarged to 5' x 7' in cross-section and was timbered where necessary. More extensive lagging was necessary at the portal because of weathered material overhead. It was suggested that additional timbering be accomplished after enlargement of the adit was completed. Examination indicated the need for stulls at intervals where extreme weathering had taken place.

The excavation of a hoist station has been completed. Some changes were being made in the head frame because a different hoist, from that originally intended, has been procured. About 5 feet of winze has been sunk to date.

L. E. Shirley

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

K. H. Teague

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

September 22, 1953

913

INTERIM REPORT

DMEA-3030 Idm-E565 (mica) TURKEY KNOB (PASSMORE) MINE

OPERATOR: Hardy Calvin Cable, Hazelwood, N. C.

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, N. C.

Rehabilitation of this existing adit and excavation of a timber hoist station is nearing completion. Construction of a headframe is also nearing completion, with the exception of a few minor revisions and additions, which can be completed easily in two shifts. Winze sinking has just begun with 4-5 feet accomplished. Material removed has consisted principally of muck and weathered mica schist.

Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague

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

September 8, 1953

(913

C
O
P
Y

August 11, 1953

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

Dear Mr. Laurence:

Attached herewith is one copy each of contracts Idm-E553, 557, 559, 560, 561, 562, 563, and 565. 3+3=

These "extra copies" are for use of your office in making reports on these projects.

Sincerely yours,

/s/ C. O. Mittendorf

Administrator

Attachments - 8

REAdams:meb
8/11/53
cc: to Adm. Reading File
Mail & Files Br.

DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Received
FEB 2 - 1953

INTERIM REPORT

IMEA-3030 Idm-E565 (mica) Turkey Knob (Passmore Mine)

OPERATOR: Hardy Calvin Cable, Hazelwood, North Carolina

LOCATION: 7.7 miles N 66° E of Franklin, Macon County, N. C. and just south of the Macon-Jackson County line in Macon County, North Carolina

The starting date on this contract is July 22, 1953. Rehabilitation of an existing 130 feet adit is underway. Some timbering has been accomplished at the portal in the form of stulls and lagging, but additional work was recommended. About 90 feet of rail has been lain from the portal to the dump. Excavation for hoist station and construction of a winze headframe has not begun to date.

Existing buildings and equipment at the mine site consists of a combination tool and bunkhouse, air compressor with attachments, mine car and necessary hand tools. The operator plans to acquire a higher capacity air compressor in the near future. Powder and detonator magazines will be constructed. Progress on this contract is satisfactory.

L. E. Shirley

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

K. H. Teague

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

August 10, 1953

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

July 23, 1953

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA- Region VII

Subject: Signed Contract. DMEA-3030, Idm-E565. Hardy C. Cable (mica)

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

Robert A. Laurence
Robert A. Laurence

zm

cc
7-27

FILE COPY
SURNAME:

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

JUL 9 1953

Feitler
Clark
Chamberlin
Selfridge
Gf Johnson

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

Subject: Docket No. DMEA-3030 - Mica
Hardy Calvin Cable
Turkey Nob (Passmore) Mine
Macon County, North Carolina

Dear Mr. Laurence:

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

If the contract meets with your approval, insert the time for starting and completing the work in Article 3 of the contract and present it to the Operator for approval and signature. Please explain to the Operator that the contract, when executed, is a firm commitment under the terms of which he is obligated to complete the work outlined at the agreed unit cost. If any part of this contract does not have either your approval or that of the Operator and cannot be amended within your delegated authority, then the original and all copies of the contract are to be returned to this office, together with the proposed changes for consideration.

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

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

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

Enclosures 10

SAFeitler:gad 7/7/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg
Mr. Houk

R.C.L. 7-9-53

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

June 15, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3030, Mica, Turkey Knob Mine
Macon County, North Carolina

I concur in the field team's recommendation for an exploration program in the amount of $6,590.

W. F. Dietrich

W. F. Dietrich

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

IN REPLY REFER TO:
G-MD-CNM

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

JUN 9 1953

June 9, 1953

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3030 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Hardy Calvin Cable, Hazelwood, North Carolina.
Name of property: Turkey Knob (Passmore) mine.
Location of property: 7.7 mi. N. 66° E. of Franklin, North Carolina.
Date of field team report: May 29, 1953.
Authorship of field team report: Teague.
Field team's recommendation:

Trim and recondition 130' adit, and install track
Cut room 10' x 10' x 8' where adit hits pegmatite.
Sink 5' x 7' winze on peg. to 45' depth.
Drift 80' from 40' level. $6,590

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

D. M. Larrabee

D. M. Larrabee

Mr Fields

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

June 1, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 3 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Acting Executive Officer, DMEA- Region 7

Subject: Owner's Consent to Lien, DMEA-3030 (mica) Hardy C. Cable, Passmore Mine (Turkey Knob Miners) Macon County, N. C.

Transmitted are original and five copies of corrected Owner's Consent to Lien on the subject property.

Wm A Beck

Wm. A. Beck

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

June 1, 1953

Memorandum

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

From: Field Team, DMEA, Region VII

Subject: Field Examinations (mica)

Transmitted herewith are the original and three copies each of the field examination reports, and six extra copies each of the maps on the following:

DMEA-2201, Cliff Blanton Mine

DMEA-2988, Bennett Mine

DMEA-3000, Terrell Bryson Mine

DMEA-3008, Red (Bennett) Mine

DMEA-3030, Turkey Knob (Passmore) Mine

The Field Team is in agreement with the recommendations set forth in the reports.

Benjamin Gildersleeve

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

Wm A Beck

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

Reviewed by
DMEA OPERATING COMMITTEE
6-8-53
(date)

Mr. Zeitler

GCB
7/8/53

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-3030, TURKEY KNOB (PASSMORE) MINE (mica)
Franklin, Macon County, North Carolina

Applicant: Hardy Calvin Cable, Hazelwood, N.C.

By

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

May 29, 1953

Reviewed by
DMEA OPERATING COMMITTEE

6-8-53
(date)

Field Examination Report
on
DMEA-3030, TURKEY KNOB (PASSMORE) MINE (mica)
Applicant: Hardy Calvin Cable, Hazelwood, N.C.

This deposit appears to have merit for exploration. Recently a small amount of mica was produced from robbing old pillars, but additional exploration is necessary before further mining can be undertaken.

This mine was examined on May 19, 1953. Hardy Calvin Cable accompanied the examiner on the inspection which required three hours.

"The Turkey Knob (Passmore) Mine, which is just south of the Macon-Jackson county line in Macon County, and 0.4 miles northeast of Turkey Knob, is 7.7 miles N. 66° E. of Franklin, N. C. It was worked first by Ed Grindstaff and was last operated in 1937 when Joshua Passamore obtained a large book of mica that was sold for $103. The workings consist of an upper open cut 70 feet long, 5 to 10 feet wide and 10 to 30 feet deep, which is flanked on the northwest by a 12-foot shaft and on the southeast by a second shaft that did not intersect pegmatite. The lower workings include a drift and a stope 50 feet long, which can be entered through a 130-foot adit.

"The country rock, whose foliation in general strikes N. 65° E. and dips 75° NNW., is a garnet-biotite gneiss, which contains a few layers of biotite-mascovite gneisss and some bands of granitic-textured quartz-feldspar rock. The pegmatite dike, which pinches and swells abruptly, ranges in thickness from 3 inches near the center of the stope to 5 feet in the southeastern face of the drift. It strikes N. 70° W. and dips steeply SSW. Well defined zones present locally in the southeastern face of the drift are a thin quartz core. Most of the book mica is associated with the core and a wall zone of quartz, feldspar, biotite, and muscovite. A lustrous black mineral (allanite?) occurs in quartz. The body is said to have contained a pod of massive quartz 1 to 1-1/2 feet

thick in the upper open cut. Because of the absence of a core in the lower northwest face, the general thinning of the body in this direction, and the failure of the southeastern shaft to encounter pegmatite, it seems likely that the body plunges at a moderate or steep angle to the south.

"The general quality of the light reddish brown mica is good. Most of the books are clear and flat, but a few contain minor black specks. Intergrowths with biotite occur in a few books."

The above report on the deposit was taken from an unpublished report by Jahns, U. S. Geological Survey, prepared in 1945.

The mine is accessible by jeep at all times of the year. The area (30 acres) involved in the application is adequate for the proposed project. A new set of Owner's Consent to Lien has been requested from the applicant. Also the attached copy of a letter from the applicant provides the legal description of the property.

As the mine now stands, the 130-foot crosscutting adit is accessible. Most of the pegmatite above the adit level has been mined and an underhand stope has been extended 20 feet to the northwest to a depth of 14 feet lower than the adit level.

The examiner recommends that exploration assistance be granted on this deposit. The work should consist of trimming, reconditioning, placing timber where necessary, and installing track in the 130-foot adit. This is necessary because part of the adit is of small cross section in places, some ground is unsafe, and the floor of the adit is not of uniform grade. In order to provide adequate space for hoist and headframe for winze sinking, it will be necessary to enlarge and timber a room approximately 10' x 10' and 8 feet high at the point where the adit cuts the pegmatite.

After this preparatory work is completed a 5' x 7' winze should be sunk on the pegmatite to a depth of 45 feet. Drifts, not to exceed 80 feet then should be driven on the pegmatite from the 40-foot level.

Estimated Cost:

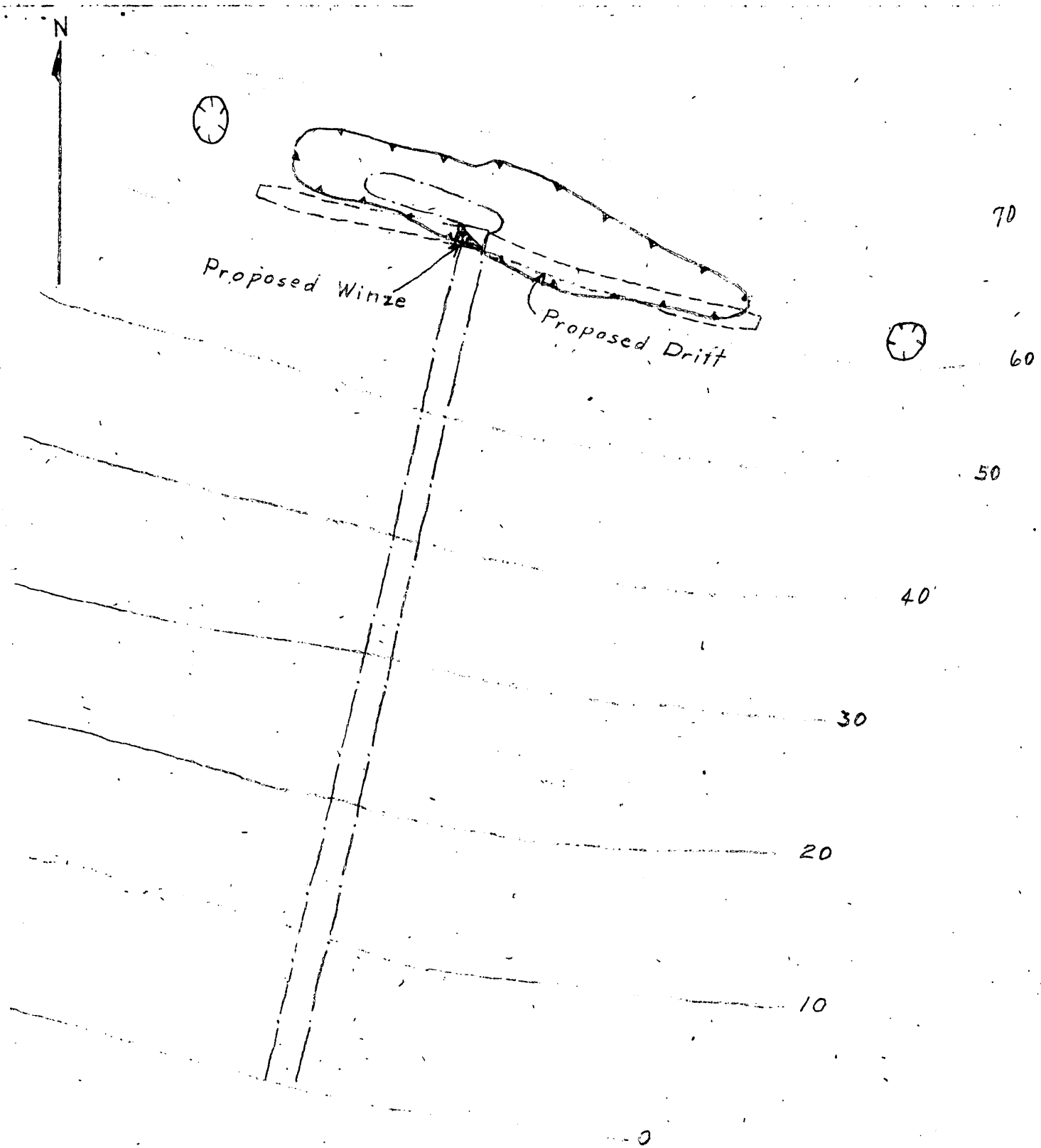
Recondition, trim, timber where necessary 130 feet of adit @ $8.00/ft.	$1,040.00
Prepare space for hoist and construct headframe for winze	500.00
45 feet 5' x 7' winze @ $50.00/ft. ? Raise board	2,250.00
80 feet of drift @ $35.00/ft.	2,800.00
Total Estimated Cost	$6,590.00

Estimated time required - 6 months.

May 26, 1953

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

mg



Sketch of
Turkey Knob (Passmore) Mine
Macon Co., N.C.

0 20' 40
Scale

DMEA-3030(mica)

C O P Y
mg

Hazelwood, N. C.
May 20, 1953

Mr. Kefton H. Teague
Knoxville, Tenn.

Dear Sir:

I have the old deed with all the calls that lay in Macon County. As follows:

Beginning on a double chestnut S. W. corner of the Holbrooks tract, then south 62 E. 10 poles to a chestnut Dills corner. Then north 51 E. 90 poles to a white oak stump corner of Holbrooks and Dills land. Then north 15 poles to a hickory in County line. Then a west course passing a black walnut and an apple tree to a stake and black oak. Then South 50 E 60 poles to beginning.

This does not include the Jackson County tract. The papers for the exploration assistance was only to cover Macon County. Tho if you need the Jackson calls I can gladly furnish them.

Yours truly,

/s/ Hardy Calvin Cable

COPY

Greenville, S. C.
May 18, 1957

Mr. Martin E. Thomas
Greenville, Tenn.

Dear Sir:

I saw the old deed with all our names in it. Thank you so much.

Regarding our a degree elevation E. F. corner of the Lawrence tract, then north or E. 10 poles to a chestnut little corner. Then north 31 W. 50 poles to a water oak stump corner of Lawrence and Hills land. Then north 15 poles to a hickory in County line. Then a west course pointing a black walnut and an apple tree to a stake and hickory corn. Then south 50 & 60 poles to beginning.

This does not include 1 & 1/2 acres Hardy land. The square for 1 & 1/2 acre[illegible] [illegible] be over from County. Also if you need the 1 & 1/2 acre [illegible] I can [illegible] for them.

Yours truly,

Mr. Harry Calvin Hill

FILE COPY
SURNAME:

Feitler
Houk
Martin
Crisler
Hodges
R. Johnson

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

MAY 2 0 1953

Mr. Hardy Calvin Cable
Hazelwood,
North Carolina

Re: Docket No. DMEA-3030 - Mica
Passmore Mine
Macon County, North Carolina

Dear Mr. Cable:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for a field examination, should he deem it necessary.

The Regional Office will contact you at an early date, if an examination is to be made. Any assistance that you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

J.H. 5-20-53

SAFeitler:fls 5/19/53

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

FILE COPY
SURNAME:

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

MAY 20 1953

Feitler
Houk
Martin
Yeferman

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

Subject: Docket No. DMMA-3030 - Mica
Jerdy S. Cable
Passmore Mine
(Turkey Nob Mine?)
Mason County, North Carolina

Dear Mr. Laurence:

Please arrange for a field examination of the subject mine.

Enclosed are copies of memoranda from the Geological Survey and the Bureau of Mines as well as one copy of the Owner's Consent to Lien for the half interest of Jerdy Passmore.

If a project is recommended, a description of the property and a new set of Owner's Consent to Lien should be submitted. The new Owner's Consent should have the book and page of record at the top; the space in Paragraph 2 should be blank or contain the amount of money; and the signature should be written with ink.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

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

SAFeitler:fls 5/19/53
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232, GSA Bldg.
Mr. Houk

Enclosures 4

IN REPLY REFER TO:

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 14 1953

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

May 13, 1953

Memorandum

REVIEW OF APPLICATION DMEA-3030 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration.
From: Basil G. Dean, U. S. Geological Survey.
Applicants: Hardy Calvin Cable, Hazelwood, North Carolina.
Name of property: Passmore (Turkey Knob?) mine.
Location of property: Map submitted by applicant shows property to be in Macon County, North Carolina just south of the Macon-Jackson County line.
Estimated cost of project: $50. per foot for shaft and $45. per foot for drift.
Summary of applicant's proposal:
Construction of shaft and drift of unspecified depth and length.
Sources of information on applicant's property:
Jahns, R. H., Unpublished professional paper on mica deposits of the Blue Ridge province, North Carolina and Georgia.
Comments:
(1) This property called the Passmore mine by the applicant is probably the Turkey Knob (Passamore) mine, 7.7 miles N 66°E of Franklin, described by Jahns.
(2) According to Jahns book mica of generally good quality is found in the core and wall zone of the pegmatite dike. This dike pinches and swells abruptly and ranges in thickness from 3 inches to 5 feet.

RECOMMENDATION:
Field team examination.

Basil G. Dean

Basil G. Dean

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 14 1953

May 13, 1953

Memorandum

Subject: [illegible] (DMA)

To: [illegible], Defense Minerals Administration.
From: Basil M. Gunn, U. S. Geological Survey.
Applicant: [illegible], Marion, North Carolina.
Name of property: [illegible] (Corley Family) mine.
Location of property: [illegible] shown property [illegible], North Carolina just south of the Mount Jackson [illegible] line.
Estimated [illegible] of project: [illegible] pounds [illegible] shaft and [illegible] per foot for [illegible].
Summary of applicant's proposal:
[illegible] specified [illegible] and length.
Sources of information on applicant's property:
Jahns, R. H., unpublished preliminary [illegible] on the pegmatite of the Blue Ridge province, North Carolina and Georgia.
Comments:
(1) This property called the [illegible] mine by the applicant is probably the Turkey [illegible] (Tusmore) mine, 7.7 miles [illegible] of [illegible], described by Jahns.
(2) According to Jahns book mica of generally good quality is found in the core and wall zone of the pegmatite dike. This dike pinches and swells abruptly and ranges in thickness from 3 inches to 5 feet.
[illegible]
Field team combination.

5/13/53
Basil M. Gunn:bik
cc: Director's reading file (4212)
Branch
DMA (3)
files C-232

Basil M. Gunn

Mr. Feitler

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 15 1953

May 14, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3030, Mica, Passmore Mine
Macon County, North Carolina

No data are available in this office on subject property. It is suggested that the field team visit this property when a member of the field team is in that vicinity to ascertain if an exploration program is justified.

W. F. Dietrich

W. F. Dietrich

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 15 1953

May 14, 1953

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3030, Mica, Passmore Mine
Macon County, North Carolina

No data are available in this office on subject property. It is suggested that the field team visit this property when a member of the field team is in that vicinity to ascertain if an exploration program is justified.

Signed

W. F. Dietrich

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

May 11, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region VII.

DMEA - 3080 - Cable, Hardy Calvin

ROBERT E. ADAMS

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

38226

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

May 8, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Acting Executive Officer, DMEA - Region 7

Subject: Application from Hardy Calvin Cable, Hazelwood, N. C. (mica) On the Passmore Mine, Macon County, N. C.

Transmitted herewith are three copies of the subject application together with six copies each of Owner's Consent to Lien and Mortgagee's Subordination Agreements.

We have retained one copy of the application for our files.

Wm. A. Beck

Wm. A. Beck

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1953

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-3030
Metal or Mineral
Date Received 5/11/53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Hardy Calvin Cable
Hazelwood, N.C.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract I have thirty acres in Macon Co, N.C. that I want to explore.

(*b*) State any mine name by which the property is known. Passmore Mine.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise owner of land and one half of mineral rights.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it I gave a mortgage of $500.00 with $250.00 to be paid in 1953, $250.00 in 1954.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) [illegible]te the mineral or minerals for which you wi[illegible] explore Mica

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 5 days and be completed within 4 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of 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.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—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 the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated April 7, 1953

Hardy Calvin Cable
(Applicant)

By

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—66551-1

4 Physical description

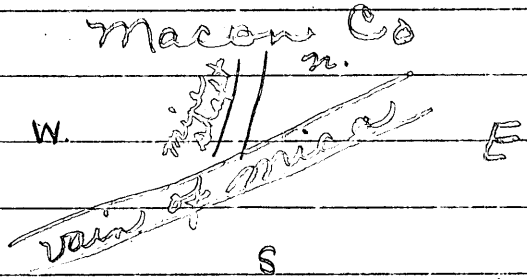
a- This mine has been worked to a depth of about sixty feet. At present I am finding some mica. It is classed a high grade of mica. I have already spent about $3500.00 and I have run out of money before I got it on a paying basis. I have some men in the mines now and will try to keep it in condition for inspection soon. The trail to the mines can be traveled with a jeep.

b. There has been some

good mica obtained from this mine. At present we have taken out enough mica to make a joint sale. I had 23.71 lbs. of film mica, it ran 48 and 50% clear.

C. The mica is in a white flint vein.

Jackson Co.

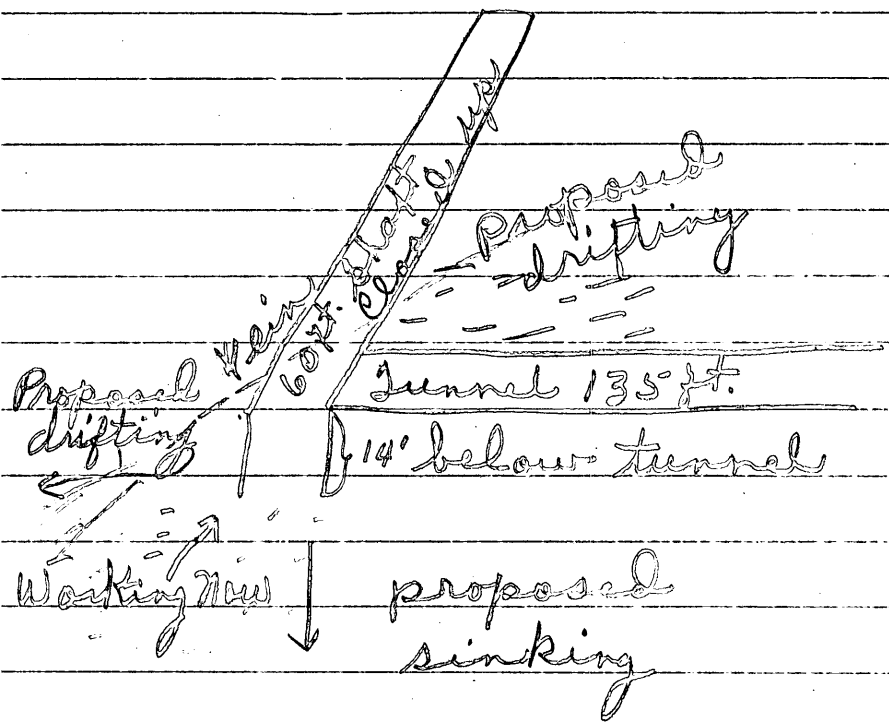


D. This is an old road we use but it needs to be rebuilt about 3/4 of a mile. It is about 80 miles

to Spruce Pines, N.C. where we sell the mica.

e. I can get plenty of manpower, and some available equipment.

5. Exploration project
Jackson County
mountain top
Macon County



d. I am an experienced copper miner and little experience with mica, but will be assisted with Jim Johnston one who has years of mica mining experience.

6. Estimate of costs.

a. Independent Contracts

1. None

It will cost $50.00 per ft. to sink a shaft, $45.00 for drifting.

b. I can get labor at $1.00 per hr.

c. Operating materials + supplies

I already have some hand tools.

d. Operating equipment
I have already, a compressor, a jack hammer, air pump, a hand pump and a motor. The rental price is $200.00 per. Mo.
e. Rehabilitation and repairs
None at present.
f. New buildings, Imp. &c.
None at present
g. Miscellaneous
Workmans compensation
General clerical work.
This cost would be about $30.00 per wk.
I expect to furnish my equipment and my time to do this exploring until I can get it

on a paying basis, so I can operate it at very little expense.

May 11, 1953

Mr. Hardy Calvin Cable
Hazelwood, North Carolina

Subject: DMEA-3030
Re: Exploration Assistance
Passmore Mine

My dear Mr. Cable:

The receipt of your application dated April 7, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3030 and referred to the Nonmetallic Minerals Division.

Kindly refer to DMEA-3030 in any future correspondence relating to your application.

Sincerely yours,

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

MF-203

OWNER'S CONSENT TO LIEN

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

Jerdy Passmore owns one half of the mineral rights on this property.

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/ Hardy Calvin Cable
Hazelwood, N.C.

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/$ 5%, 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 7 day of April, 195 3.

Jerdy Passmore [Seal]

_____ [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 May 9, 1922 and recorded in book N-4 page 355 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.

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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:

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(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.

MF-203

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Dated this 1 day of April, 195 3.

Jerdy Passmore [Seal]

_____ [Seal]

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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 May 9, 1952 and recorded in book M-4 page 355 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.

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(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.

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MF-203

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Hazelwood, N.C.

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Dated this 7 day of April, 1953.

Jerdy Passmore [Seal]

_____ [Seal]

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MF-203

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Hayesville, N.C.

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Jerdy Passmore [Seal]

[Seal]

[Seal]

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MF-203

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Hazelwood, N.C.

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Jerdy Passmore [Seal]

_____ [Seal]

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(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.

Pocket Copy

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EXPLORATION PROJECT CONTRACT

Docket No. 3030 (mica)

AMENDMENT NO. 3

Contract Idm-E 565, Docket No. DMEA-3030, dated July 9, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Hardy Calvin Cable, hereinafter call the "Operator", is hereby further amended:

1. In Exhibit "A", Description of the Work, Item 5, -

Delete the words "The 50-foot point in..." This item as changed by Amendment No. 2 and 3, will be, "Drift and/or crosscut not more than 80 feet from the winze, 5 feet by 7 feet in cross-section and timbered where necessary."

August 10, 1954.

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

HARDY CALVIN CABLE

Hardy Calvin Cable

THE UNITED STATES OF AMERICA

By: Robert A Lawrence

EXECUTIVE OFFICER
DMEA REGION VII

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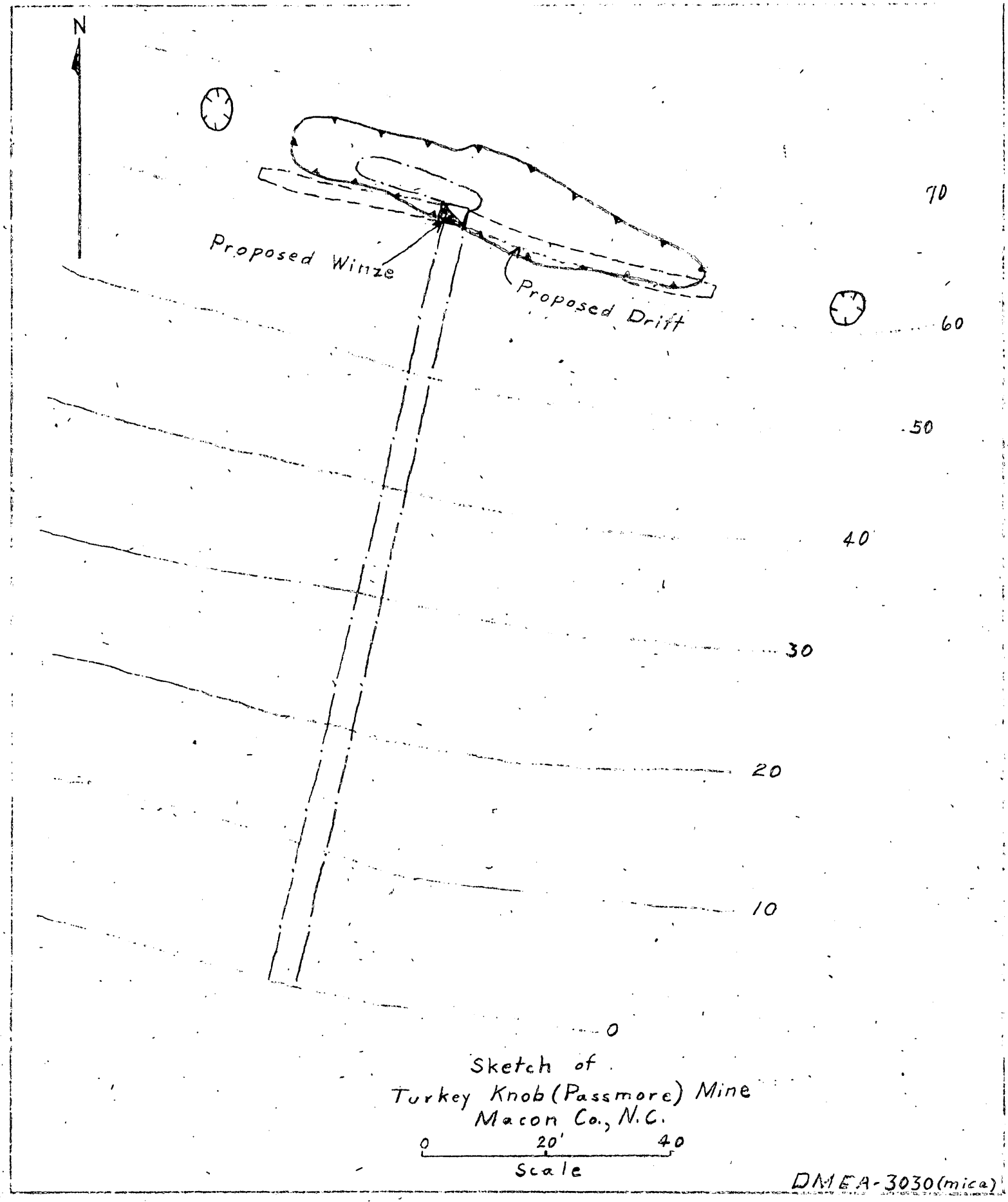

Sketch of
Turkey Knob (Passmore) Mine
Macon Co., N.C.

DMEA-3030(mica)