DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Daisy E. Vance, Clarence V. Olen, and Leon Buchanan
d/b/a C & D Mining Company
Plumtree, North Carolina

pertaining to Exploration Project Contract No. Idm-2891, Docket No. DMEA-3994, for the months of December 1955, to May 1956, inclusive, covering a project for the exploration of mica on property, known as the C & D Mine located in Avery County, North Carolina.

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

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

(a) the Monthly Reports were supported by documentary proof of the costs incurred under the contract; and
(b) the administrative cost to the Government of an audit would be excessive in relation to value of the contract or the estimated amount of possible further disallowances thereunder.

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

Total cost as billed by Contractor		$1,510.76
Exceptions (schedule attached):		
By DMEA Finance Officer	$ -0-	
Herewith	34.89	34.89
Total Accepted Cost		$1,475.87

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of One thousand one hundred six and 90/100 Dollars

"$1,106.90"

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

E. D. Talbert

E. D. Talbert, Auditor

July 5, 1956

SCHEDULE OF EXCEPTIONS

C & D Mining Company DMEA-3994 Idm-2898

Labor

Apr. 6 payroll lists Lane Buchanan for 33½ hrs. @ $1.50, gross $52.26, and Tom McKinney for 33½ hrs. @ $1.00, gross $33.63, whereas correct computations are $50.25 and $33.50, respectively..... $ 2.14

Apr. 20 and May 4 payrolls list Zeb Pitman for aggregate of 112 hrs. @ $1.25, gross $140.00, wherein the contract specifies $1.00 an hour as the maximum allowable for labor..... 28.00

Payroll Taxes

Taxes on the wages paid to Lane Buchanan, one of the partners, such taxes being a personal expense and properly reportable to the Internal Revenue Service as self-employment tax..... 4.39

Taxes on portion of Zeb Pitman's wages disallowed above..... .56

Total..... $34.89

Division Copy

Indritz 6/15/56
Lemmer
"Appd. Sol. Off."
Anderson
Frank Chambers
Martin
Mathewson

TERMINATION AGREEMENT

It is agreed this 26th day of June, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Mrs. Ivor Vance (Daisy E.), Mrs. Sam Odom (Clarice V.), and Lane Buchanan, partners, d/b/a C & D Mining Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E898, Docket No. DMEA-3994, dated November 23, 1955, hereinafter called the "Contract," that:

1. Effective May 9, 1956, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the actual allowable costs of work performed prior to said effective date.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

4. All rights of the Government provided for in the Contract with respect to a certification of discovery or development and a percentage royalty and lien for its payment are preserved. All rights of the Government under the Contract with respect to records, audits and recovery of any overpayment are preserved.

5. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

C & D MINING COMPANY

By Daisy E. Vance
Daisy E. Vance, partner

By Clarice V. Odom
Clarice V. Odom, partner

By Lane Buchanan
Lane Buchanan, partner

THE UNITED STATES OF AMERICA

By Robert A. Lawrence
Executive Officer
DMEA Field Team, Region V

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JUL 9 - 1956

Division copy

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MF-200
(Revised June 1954)

Docket No. DMEA -3994

Commodity Mica

Contract No. Idm-E 898

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

EXPLORATION PROJECT CONTRACT[1]

It is agreed this NOV 23 1955 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] Mrs. Ivor Vance (Daisy E.), Mrs. Sam Odom (Clarice V.), and Lace Buchanan, partners, d/b/a C & D Mining Company

whose mailing address is % Mrs. Ivor Vance
Plumtree, North Carolina
hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200), the attached Exhibit "A," Annex I, and map.

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of North Carolina, County of Avery, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee of [5] the mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] lease, [7] unrecorded in Book ....., page ....., official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: None.

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed abo and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with na partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, part excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

of the land (lessor, seller, optionor, etc.), are attached, as follows: Consent to Lien of owners.

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 8, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 8(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of mica. The work to be performed is described in Exhibit "A." The Operator on or before JAN 2 1956 shall commence the work, and on or before May 18, 1956 (unless the Operator's obligation to prosecute the work is terminated—see Article 10) shall either have completed the work or shall have incurred allowable costs (see Article 6) in a sum not less than the estimated total allowable cost set forth in Exhibit "A," except as otherwise provided in Exhibit "A" with respect to Stage II.

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Independent contracts.*—To the extent that the allowable costs are estimated in Exhibit "A" with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed; but if the reference in Exhibit "A" to any such independent contract requires the Government's approval thereof, payments under such contract will not be allowable costs unless the Government gives its written approval of the contract. Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract and regardless of the Government's approval thereof, the Government will participate in payments to the independent contractor only on account of work performed in accordance with the provisions of this exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—The estimated total allowable cost of the project, set forth in Exhibit "A," is the sum of $4,624.00 The Government shall contribute 75 percent of the allowable costs as they are incurred in a total sum not in excess of $3,468.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last

voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work or not in excess of the amount of the Government's contribution to the cost of property which is or may become subject to disposal as provided in Article 9(c), whichever is greater. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 7(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. "Costs incurred" mean costs that have been paid or have become due and payable, or that in the opinion of the Government have become an obligation. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Estimated costs.*—(a) *Categories of costs.*—The allowable costs of the work to which the Government shall contribute are limited to those that are direct, reasonable, necessary, and that are estimated in Exhibit "A" by categories as specified in this article. If any category or subcategory is omitted from the estimate of costs, or if the word "none" is annexed to the listing thereof, costs under such category or subcategory are not allowable. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost, and any excess over the estimated total allowable cost of the work, shall not be allowable. Any excess over the estimate of any category, subcategory, or item, either as to requirement or related cost, not indicated as a maximum shall be allowable within the limit of the estimated total allowable cost of the work. To the extent that excesses over maximums other than the estimated total allowable cost of the work may be necessary for the performance of the work, the Operator shall incur such excesses for his own account without contribution by the Government; but except for any such necessary excesses in categories, subcategories, or items thereunder the Operator is not obligated to incur more than his agreed percentage of the estimated, total allowable cost of the work.

To the extent specified in this article or in Exhibit "A" the following categories, subcategories, and elements thereof are maximums; but if not so specified either here or in Exhibit "A" they are not maximums, and may be exceeded within the limit of the estimated total allowable cost of the work:

CATEGORY (1)—INDEPENDENT CONTRACTS.—Work to be performed under independent contracts (see Article 4(b)). The estimated total amount of this category and the estimated cost of each unit of work for performance under an independent contract are maximums.

CATEGORY (2)—PERSONAL SERVICES.

Subcategory (a)—Supervision.—All elements of this subcategory (number of supervisors, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)—Technical services.—All elements of this subcategory (number of technicians, periods of employment, rates of pay, and total) are maximums.

Subcategory (c)—Labor.

CATEGORY (3)—OPERATING MATERIALS AND SUPPLIES.—Includes such items as drill bits and steel, explosives, fuel, pipe, power, small tools costing less than $50 each, timber, track.

CATEGORY (4)—OPERATING EQUIPMENT.

Subcategory (a)—Rental.—The number of each object to be rented [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)—Purchases.—The estimated total of this subcategory is a maximum.

Subcategory (c)—Depreciation.—All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)—INITIAL REHABILITATION AND REPAIRS.—Estimates under this category include a requirements and related costs, such as labor, materials and supplies, and supervision at a rate not high than provided for in Category (2), and shall not be duplicated under any other category. The estima total of this category is a maximum.

Subcategory (a)—Initial rehabilitation and repairs of existing buildings, fixtures, and inst tions (exclusive of mine workings).—The estimated total of this subcategory is a maximum.

Subcategory (b)—Initial rehabilitation and repairs of operating equipment.—The esti total of this subcategory is a maximum.

CATEGORY (6)—NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

CATEGORY (7)—MISCELLANEOUS.—Repairs and maintenance (other than initial) of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, communications, and any other items of requirement or cost that do not fall within any of the first 6 categories.

THE ESTIMATED TOTAL ALLOWABLE COST of the work is a maximum.

(b) *Nonallowable costs.*—The following costs are not allowable for contribution by the Government:

(1) *Costs of the land,* such as rental, depreciation, depletion, or other cost of acquiring, owning, or holding possession;

(2) *Indirect costs,* such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) *Previous work* performed or costs incurred before the date of this contract; and

(4) *Deferred payments.*—Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods; unless the purchase agreement is approved by the Government in writing.

(c) *Reductions in costs.*—The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original estimated total cost. This provision does not apply to receipts from production which are subject to the Government's percentage royalty under the provisions of Article 9.

ARTICLE 7. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. If the Government elects to audit said records and accounts relating to the exploration work by certified public accountant, it may do so as a cost of the work to which the Operator shall contribute. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing detailed costs incurred during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and related costs incurred.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 8. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 7) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, 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, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value therof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eigh dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (1/

percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 9. *Interests in purchased property.*—(a) *Title and ownership.*—All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions, although title thereto shall be taken in the name of the Operator.

(b) *Preservation of property.*—Until the final disposal of any property in which the Government has an interest the Operator shall preserve and protect same for the best interest of the Government, any reasonable and necessary costs thereof to be treated as an allowable cost of the project. After the completion of the work or termination of the Government's obligation to contribute, or when such property is not in use for or needed for the work, the Operator shall neither use it without the written consent of the Government nor without paying a reasonable rental to be fixed by the Government for its interest.

(c) *Disposal of property.*—Upon the completion of the work or termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest 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 or the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government the Operator shall not sell at any price any item of property the cost of which was more than $500, and shall not sell at less than 25 percent of the purchase price any item of property which cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or himself cares to give. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, or explosives, or pipe, or rails), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the project.

(d) *Default of the Operator re disposal.*—If within 90 days after the completion of the work or termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, or after such further time as the Government may in writing allow, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may pursue one of the following two courses: (1) the Government, by written notice to the Operator, may place upon such property what in its opinion is a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the

date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; or (2) the Government may enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 10. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon: (1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon: (1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 10 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 11. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 12. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 13. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

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

C & D MINING COMPANY
(Operator)

By Clarice V. Odom (Partner)

By Daisy E. Vance (Partner)

By Lane Buchanan (Partner)

Indexed 11/10/55
Dunger
"Appd. Sol. Off."
Anderson
Houk
Jay Chambers
Selfridge

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—70617-1

RECEIVED
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EXPLORATION PROJECT CONTRACT
C & B MINING COMPANY
DOCKET NO. DMRA-3994

ANNEX I

The land referred to in Article 2 of the contract form is known as the C & B Mine. It is located 3,000 feet S. 66° W. of Spear, in Avery County, North Carolina, and is described in the lease as follows:

BEGINNING at a stake on the South side of the branch near the Old Branch Mine and running thence South 70° West 600 feet to a stake; thence North 34° West 500 feet to a stake; thence North 71° East 900 feet to a stake; thence South 500 feet to the point of beginning; containing 9.5 acres, more or less.

The above description being based on a survey made by T. H. Clapp, Surveyor, on September 15, 1955, and being a portion of these lands, the surface of which formerly belonged to Ed N. Vance, the surface of which presently belongs to Ivor Vance and Sam Odom as tenants in common.

EXPLORATION PROJECT CONTRACT
C & D MINING COMPANY
DOCKET NO. DMEA-3994

RECEIVED
DEC - 8 1955

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished as hereinafter stated in the area indicated on the map entitled "Sketch of the C & D Mine, Avery Co., N.C. DMEA-3994 (mica) 10-13-55," attached hereto and made a part hereof.

The work is divided into two stages as indicated below. The Operator shall perform the work described in Stage I, and shall perform as much of the work described in Stage II as the Government approves in writing.

Stage I

With a D-4 bulldozer or equivalent, excavate a trench obliquely across the pegmatite. The minimum size of this trench shall be 100 feet long by 24 feet wide by 12 feet deep.

Stage II

1. Construct:

   (a) A toolhouse, minimum dimensions 7 feet by 8 feet by 10 feet.

   (b) A powder storage magazine, minimum dimensions 4 feet by 3 feet by 2½ feet.

   (c) An exploder storage magazine, minimum dimensions 2 feet by 1½ feet by 1 foot.

The toolhouse may be unfloored; shall be made from rough, unfinished lumber, with protective roof covering; and shall be equipped with lock and key.

The powder and exploder magazines shall be boxed on all sides; shall be made from 2-inch hardwood or 3-inch softwood lumber; and shall be braced at the corners. No metal shall be exposed; and the lids or doors shall be securely locked with the equivalent of a 5-tumbler jarproof lock.

2. From the stripped area sink a 2-compartment incline shaft as nearly as possible on the pegmatite for a distance of not more than 50 feet.

3. Explore the pegmatite by driving from the bottom or near the bottom of the shaft, not more than 60 feet of drifts and/or crosscuts.

The shaft and the drifts and/or crosscuts shall be timbered as necessary and shall have cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

The location, inclination, direction, and extent of all work are subject to the approval of the Government.

Estimated Costs of the Project
(In addition to the maximums set forth in the contract form, an asterisk indicates maximum)

Category (1) Independent Contracts

1,000 cubic yards of trenching @ $0.30/cu. yd. (includes moving bulldozer in and out)	$ 300.00

Category (2) Personal Services

(a) Supervision - None

(b) Technical Services - None

(c) Labor

Miners @ $1.50/hr.*	
Helpers @ $1.25/hr.*	
Laborers @ $1.00/hr.*	2,040.00

Category (3) Operating Materials and Supplies 975.00

Category (4) Operating Equipment

(a) Rental

1 compressor, 1 pump, 1 drill @ $240.00/mo.	720.00

1 hoist @ $50.00/mo.	$ 150.00
1 Jackleg @ $10.00/mo.	15.00

(b) Purchases - None

(c) Depreciation - None

Category (5) Initial Rehabilitation and Repairs - None

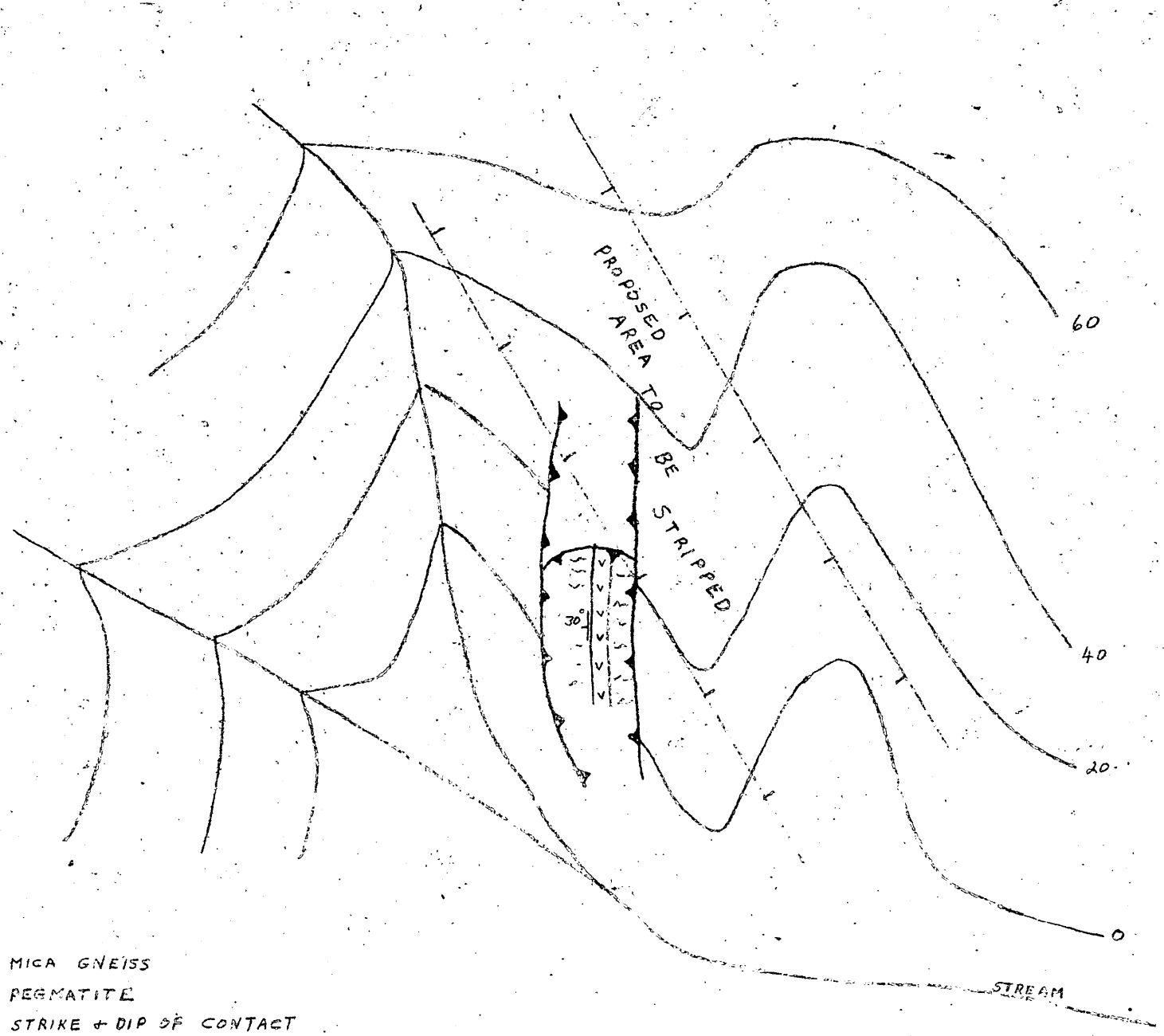
Category (6) New Buildings, Fixtures, and Installations

Toolhouse, powder magazine, and exploder magazine	114.00	1/

Category (7) Miscellaneous - Only the following items of cost are allowable under this category:

Compensation Insurance, unemployment insurance and social security	310.00
Estimated Total Cost of Project	$4,624.00
Government Participation @ 75%	$3,468.00

1/ The Government retains no interest in the salvage value of these structures.



~~ MICA GNEISS
v v PEGMATITE
STRIKE & DIP OF CONTACT
--- CONTACT, APPROX. WHERE DASHED
CUT

SKETCH OF THE

C & D MINE

AVERY CO., N.C.

0 20 40 FEET

SCALE

BEGINNING STAKE

DMEA - 3994 (MICA)

10-13-55

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator G & D Mining Co.
Docket No. DMEA- 3994
Contract No. Idm-E 898
Contract Date Nov. 23, 1955

RECEIVED
DEC - 8 1955

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Avery, State of North Carolina, described as follows:1/

Refer to Lease attached.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and any others.

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this _____ day of NOV 23 1955, 195__.

Margaret S. Pinkard, Attorney-in-Fact [Seal]

[illegible] [Seal]

[illegible] [Seal]

Clarice V. Adam [Seal]

Sam H. Adam

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

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

RECEIVED
MAR 7 1957

DATE	INITIALS	CODE
3/8	Hunt	600

March 6, 1957

Mrs. Margaret D. Penland

Plumtree, North Carolina

Re: Docket No. DMEA-3996-Mica
J & D Mining Company
J. E. D. Mine, Avery County, N. C.
Contract Idm-2898

Dear Mrs. Penland:

Reference is made to the Consent to Lien which you executed on November 23, 1955, in connection with the DMEA contract for an exploration project on your property located in Avery County, North Carolina.

For your information, there is enclosed a copy of our letter of this date to the J & D Mining Company advising that the Government retains no claim or lien against the property described in the contract or any future production therefrom.

Sincerely yours,

Robert A. Lawrence
Executive Officer, DMEA
Region V

RAL/rm
Enc.

Adm. Reading File
J. Chambers
Opr. Con.-3
Lynch
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 250 POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

600

March 6, 1957

Mr. Sam K. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-1994-Mica
C & J Mining Company
C. & J. Mine, Avery County, N.C.
Contract Ida-2898

Dear Mr. Vance:

Reference is made to the Consent to Lien which you executed on November 23, 1955, in connection with the DMEA contract for an exploration project on your property located in Avery County, North Carolina.

For your information, there is enclosed a copy of our letter of this date to the C & J Mining Company advising that the Government retains no claim or lien against the property described in the contract or any future production therefrom.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/sm
Enc
Adm. Reading File
J. Chambers
Opr. Sem.
Lynch
Files

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

WASHINGTON 25, D. C.

EXTRA COPY
DMEA
RECEIVED 7 1957

DATE	INITIALS	CODE
		600

March 6, 1957

Mr. Friel T. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-3994-Mica
C & D Mining Company
C & D Mine, Avery County, N. C.
Contract Idm-8898

Dear Mr. Vance:

Reference is made to the Consent to Lien which you executed on November 23, 1955, in connection with the DMEA contract for an exploration project on your property located in Avery County, North Carolina.

For your information, there is enclosed a copy of our letter of this date to the C & D Mining Company advising that the Government retains no claim or lien against the property described in the contract or any future production therefrom.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/sm
cc
Adm. R. File
Chambers
Opr. Con.-3
Lynch
Files
Shirley

600

MAR 1957

C & D Mining Company
C/O Mrs. Ivor Vance
Plumtree, North Carolina

Re: Docket No. DMEA-3994-Mica
C & D Mining Company
C & D Mine
Avery County, North Carolina
Contract No. Idm-E398

Gentlemen:

Reference is made to your terminated exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this project. Your attention, however, is called to the provisions of the contract which require the operator to keep and preserve certain records for the period indicated.

Your interest in the DMEA exploration program and participation therein are fully appreciated.

Sincerely yours,

C. D. Mittendorf

Administrator

WCAnderson:gad 1/18/57
Copy to: Admr. R. File
Mr. Chambers
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Field Team, Region V
Mr. Houk

Copy to signers of Consent to Lien:
Messrs. Friel T. Vance
Ivor C. Vance
Sam K. Vance
Sam H. Odom
Margaret G. Penland

MAR 4 1957

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

Re: Docket No. DMEa-3094-Mica
C & D Mining Company
C & D Mine
Avery County, North Carolina
Contract No. Idm-8898

Dear Mr. Lawrence:

We are enclosing three copies of our closing letter on the subject contract to be forwarded to Friel T. Vance, Sam K. Vance and Margaret G. Penland who executed a Consent to Lien on the property November 23, 1955.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 3

WCAnderson:gad 1/21/57
Copy to: Admr. R. File
Operating Committee
Mr. Chambers
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

600

MAR - 4 1957

Mr. Sam H. Olen

Plumtree, North Carolina

Re: Docket No. DMEA-3994-Nica
C & D Mining Company
C & D Mine
Avery County, North Carolina
Contract No. Dm-E498

Dear Mr. Olen:

Reference is made to the Consent to Lien which you executed on November 23, 1955, in connection with the DMEA contract for an exploration project on your property located in Avery County, North Carolina.

For your information, there is enclosed a copy of our letter of this date to the C & D Mining Company advising that the Government retains no claim or lien against the property described in the contract or on any future production therefrom.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

WCAnderson:gad 1/18/57
Copy to: Admr. R. File
Field Team, Region V
Mr. Chambers
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

600

MAR - 4 1957

Mr. Ivor C. Vance

Plumtree, North Carolina

Re: Docket No. DMA-3994-Mica
C & D Mining Company
C & D Mine
Avery County, North Carolina
Contract No. Idm-2898

Dear Mr. Vance:

Reference is made to the Consent to Lien which you executed on November 23, 1955, in connection with the DMEA contract for an exploration project on your property located in Avery County, North Carolina.

For your information, there is enclosed a copy of our letter of this date to the C & D Mining Company advising that the Government retains no claim or lien against the property described in the contract or on any future production therefrom.

Sincerely yours,

[illegible]

Administrator

Enclosure

WCAnderson:gad 1/19/57
Copy to: Admr. R. File
Field Team, Region V
Mr. Chambers
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Project Summary Report

By: Walter C. Anderson January 18, 1957
Nonmetallic Minerals Division

1. Docket No. DMEA-3994-Mica
Contract No. Idm-E898
C & D Mine
Avery County, North Carolina

Operator: Mrs. Ivor Vance, et al. d/b/a
C & D Mining Company
Plumtree, North Carolina

Application: Form MF-103 (April 1952) received
September 28, 1955.

Work proposed:

20 hours of bulldozing @ $10.00/hr.	$200.00
100 feet of "tunnel" @ $40.00/ft.	4,000.00
Total requested	$4,200.00

Operator's property rights: Ten year mining lease on the Vance and Odom property consisting of 9.5 acres, dated September 21, 1955.
Consent to Lien, dated November 23, 1955.

2. Contract: Form MF-200 (June 1954), dated November 23, 1955.
Work authorized: Actual cost contract

Stage I	
1,000 cu.yds. trenching @ $0.30/cu.yd.	$300.00
New Buildings	114.00
Stage II	
50 feet of shaft and 60 feet of drifts	4,210.00
Estimated total cost of project	$ 4,624.00
Government participation @ 75%	$ 3,468.00

Amendments - None

Work completed:

Surface excavation	$300.00
New buildings	114.00
19 feet of shaft	1,061.87
Total accepted cost	$ 1,475.87
Government participation	$ 1,106.90

Contract work began December 9, 1955, and was terminated by mutual agreement, effective May 9, 1956.
Field Team Final Report received August 7, 1956.
Operator's Final Report, dated May 10, 1956.
Production - not over 200 pounds of scrap mica, of no particular value.
No equipment purchased under the contract.

3. Audit: Report of Review issued July 5, 1956

Accepted cost	$1,475.87
Government participation	$1,106.90

4. Certification of discovery - None issued.

5. Comments:

How conducted: Poorly. Poor judgment in execution of Stage I resulting in hazards for accomplishment of Stage II. The Operator ignored warnings and advice of the Field Team.

Operation: Poor.

Engineering: Standards low. Last monthly report was accepted as final report.

Geological premise: The premise that a weathered pegmatite outcrop containing strategic mica would prevail in depth was not definitely proven as the Operator through bad operation did not complete the contract.

Geological criteria upon which work was based:

1. Semi-weathered pegmatite in excess of 3.5 feet thick and exposed over a distance of 50 feet, conformable to a mica schist wall rock, unzoned, coarse textured and containing perthite, plagioclase, quartz and muscovite.
2. Mica - free of stain, green, flat and flat-A, free splitting, and of large size.

Criteria developed during project:

1. Concordant 2½-3 foot mica-bearing pegmatite over a distance of 60 feet, consisting of kaolinized plagioclase feldspar, quartz, muscovite and minor serecite.
2. Mica - green, 80% wedge A, 20% flat in books up to 8 inches, noticeable staining, badly reeved.
3. Desired criteria was not developed because of poor operation.

Future possibilities: Not known.

Recommendations: The Nonmetallic Minerals Division and the commodity members of the Geological Survey and the Bureau of Mines concur in the Field Team's recommendation not to certify.

Walter C. Anderson
Nonmetallic Minerals Division

WCAnderson:gad 1/18/57
Copy to: Admr. R. File
Mr. Houk

P.S. Operator's letter of May 10, 1956, and last monthly report were accepted as a final report until receipt of report of February 14, 1957, which the Field Team considers adequate. However, the Nonmetallic Minerals Division considers it very poorly done, as the Operator does not give an evaluation of the work done or the number of pounds of mica recovered.

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

WASHINGTON, D.C.

February 26, 1957

EXTRA COPY
D M E A
RECEIVED FEB 28 1957

DATE	INITIALS	CODE
		600

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tenn.

Subject: Operator's Final Report, DMEA-3994, Idm-E898-Mica
C & D Mining Co., Plumtree, N.C.
C. &. D. Mine, Avery County, N.C.

Enclosed are four copies of the Operator's final report on this project. Although not very long, the last sentence adequately describes the project.

Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch, Member
Bureau of Mines

C & D Mining Company
Plumtree, North Carolina
February 14, 1957

EXTRA COPY
D M E A
RECEIVED FEB 28 1957

DATE	INITIALS	CODE
Re:	DMEA-3994, Idn-E898 - Mica	

C & D Mine
Avery County, North Carolina

C O P Y

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Post Office Bldg.
Knoxville, Tennessee

Dear Mr. Laurence:

Reference is made to your letter of February 8, 1957 relative to termination of C & D Mining Company.

We wish to advise that C & D Mine has not been in operation since May 28, 1956. Due to an excessive amount of water and soft material we were unable to continue operation. Therefore, nothing was accomplished - a complete loss resulted from our operation.

Very truly yours,

C & D MINING COMPANY

Mrs Ivor C. Vance

Mrs. Ivor C. Vance
Partner

Mrs. ICV/er

RECEIVED
FEB 15 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.
FOXWOOD OFFICE BLDG
KNOXVILLE 8, TENN.

EXTRA COPY
D M E A
RECEIVED FEB 11 1957

DATE	INITIALS	CODE
2/12	C	220
2/13	Vouch	600

February 8, 1957

Mrs. Ivor C. Vance
C & D Mining Company
Plumtree, North Carolina

Re: DMEA-3994, Idm-8898 - Mica
C & D Mine
Avery County, North Carolina

Dear Mrs. Vance:

Reference is made to your letter of February 6, relative to Mr. Beck's recent call.

You will note that Article 3 of the termination agreement states that the Operator shall render a final report. This report is more fully explained in Article 7c of the contract. No such report has been received and we cannot close our books on the contract without it.

A brief statement of what was accomplished and your evaluation of the results will be sufficient.

Sincerely yours,

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

RAL/mg
cc - Operating Committee (3)
Lynch
Beck
Shirley
File

C O P Y
mg 2/8/57

C & D Mining Company
Plumtree, N. C.
February 6, 1957

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Post Office Bldg.
Knoxville, Tennessee

Dear Mr. Laurence:

Mr. Beck called yesterday about the termination of the C & D Mines. If you will look back to your Termination Agreement of June 26, 1956, you will find that anything was terminated at that time. This was duly signed by all partners. Now, what else is there to do?

Mr. Beck talks as if Washington keeps after him and requested that we mail Washington a copy. We thought that was taken care of through you. Please advise.

Very truly yours,

C & D MINING COMPANY

/s/ Mrs. Ivor C. Vance

Mrs. Ivor C. Vance
Partner

Mrs. ICV/er

EXTRA COPY
D M E A
RECEIVED FEB 11 1957

DATE	INITIALS	CODE

FEB 1 1957

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

Re: Docket No. DMEA-3994-Mica
C & D Mining Company
C & D Mine
Avery County, North Carolina
Contract No. I'm-E898

Dear Mr. Laurence:

Reference is made to the Field Team final report of August 7, 1956, on the subject contract, recommending that the project should not be certified.

The Termination Agreement of June 26, 1956, stipulates that the operator must render a final report and final account, which he has failed to do in this case.

We will appreciate having your comments so that we can complete the closing out of this docket.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

Frank D. Lamb

Member, Bureau of Mines

N. E. Nelson

Member, Geological Survey

WCAnderson:gad 1/30/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

IN REPLY REFER TO:

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

RECEIVED
OCT 18 1956

October 17, 1956

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Final Report, DMEA 3994, Idm-8898, C & D Mining Co., C & D Mine, Avery County, North Carolina, $4,624.00, Mica.

The contract approved the expenditure of $4,624.00 on the exploration of a pegmatite by bulldozing, shaft sinking and drifting.

The bulldozing and part of the shaft sinking were accomplished. Water trouble and the fact that no mica of strategic value was found caused the work to be stopped. The applicant claimed much strategic mica was in evidence in the surface exposure.

The examiners and the Field Team recommend that no certification be made.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/17/56

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

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

August 20, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-3994 (mica)

Applicant: C.&D. Mining Co.

Name and Location of Property: C. & D. Mine, Avery County, N. C.

Contract Number: Rm-R 898

Date of Field Team Report: 8/7/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/14/56

Field Team Recommendation: Recommend no certification of discovery.

Comments:

1. About 200 pounds of very poor quality mica was recovered.

2. Project was abandoned by mutual agreement due to uncontrolable stream seepage and bank slumpage.

3. Expenditures-

Total approved	$4,624.00
Total cost	1,475.00
Gov't. share of the cost	1,106.90
Value of production during operation	nil

Recommendation:

I concur with the field team's recommendation for no discovery.

W. F. Dietrich

RECEIVED

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

August 7, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Final Field Team Report - DMEA-399%, Idm-E896 (mica)
C & D Mining Co. C. &. D Mine, Avery County, N. C.

Transmitted are four copies of the subject report with maps attached.

The Field Team concurs with the examiners that this project should not be certified due to site problems and the poor quality of the mica.

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

V. J. Lynch, Member
U. S. Bureau of Mines

T.M.
cc:
Lynch
Shirley
Files

Reviewed by
DMEA OPERATING COMMITTEE
8-13-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

On

DMEA-3994, Idm-E898 (mica) C & D MINE
Avery County, North Carolina

By

L. E. Shirley and A. L. Peyton, Mining Engineers
U. S. Bureau of Mines

and

S. C. Bergman and A. R. Taylor, Geologists
U. S. Geological Survey

August 7, 1956

Submitted by
DMEA [illegible]
9-13-56
(date)

EXPLORATION PROJECT

FIELD TEAM FINAL REPORT, REGION V

On

DMEA-3994, Idm-E898 (mica) C & D MINE

Operator: C & D Mining Company, c/o Mrs. Ivor Vance, Plumtree, N. C.

Location: 2100 feet S. 61° W. from the intersection of the Henson Creek Road and Highway 19-E at Spear, Avery County, N. C.
(Carvers Gap, N. C., Quadrangle TVA Ed - 1934, 1:24,000)

Summary

Insurmountable site problems, bank slumpage, uncontrolled stream seepage and drainage forced abandonment of the project by mutual agreement. No further exploration is feasible or desirable, since the small amount of recovered block muscovite is of very poor quality. No certification of discovery should be issued.

Work Done Under Contract:

Contract work began December 9, 1955, and was terminated by mutual agreement, effective May 9, 1956. Stage I consisted of bulldozing a cut 125 x 24 feet x a maximum 8 to 10 feet deep, trending roughly N. 60° W. No definite pegmatite was uncovered, but the operators requested that they be permitted to do additional bulldozing at their own expense. A total of about $400.00 was expended on the bulldozing, $100.00 at the operators' expense.

The cut was lengthened and an extensive drainage channel dozed at its lower end. At this stage a steep 25-30 foot high bank was made on the uphill side and a 8-10 foot bank on the creek side (see map). Permission was granted on January 10, 1956 to start Stage II since about 35 feet of N. 65° W. trending pegmatite was cut in the bottom of the pit and a small

exposure at the northwest end. Shaft was not collared until la March because of repeated slumping of the uphill bank and extreme amounts of e and drainage from the adjacent creek. Justice Creek is substantially in elevation than the floor of the cut, and is draining continually i in excavation. The shaft was sunk 19 feet on a 45° incline and is an imate S. 40° W. direction.

Geology:

A concordant 2½ to 3-foot thick mica-bearing pegmatite is exp in the floor and northwest end of the bulldozer cut intermittently over distance of 60 feet. The structure trends N. 50 - 65° E. and dips approximately 45° southwest. Exposed pegmatite consisted of kaolinized plagioclase feldspar, disseminated quartz, muscovite and minor serecite. About 200 pounds of very poor quality muscovite was recovered. The muscovite is green-colored, about 80% wedge A, 20% flat A in books up to 8 inches across and 2 inches thick. There is no noticeable mineral staining. It is badly reeved; "A" and star reeving being very common. Country rock is composed of a weathered mica-gneiss and schist. No reserves of any kind were outlined during the contract.

Conclusions:

Work completed under the contract was not done in a satisfactory manner principally because of extremely poor judgment on the operators' part in bulldozing Stage I. The cut was unnecessarily lowered to the extent that an extremely bad water problem could not be avoided and dangerous steep cut walls were left unprotected. The operators were repeatedly advised to build a log retainer to prevent the cut wall from collapsing on the work site.

This advice was repeatedly ignored resulting in an ultimate loss of shaft. No equipment was purchased under the contract. Mica recovered was almost entirely of scrap value, so that no particular value is placed on this small amount (not over 200 lbs.)

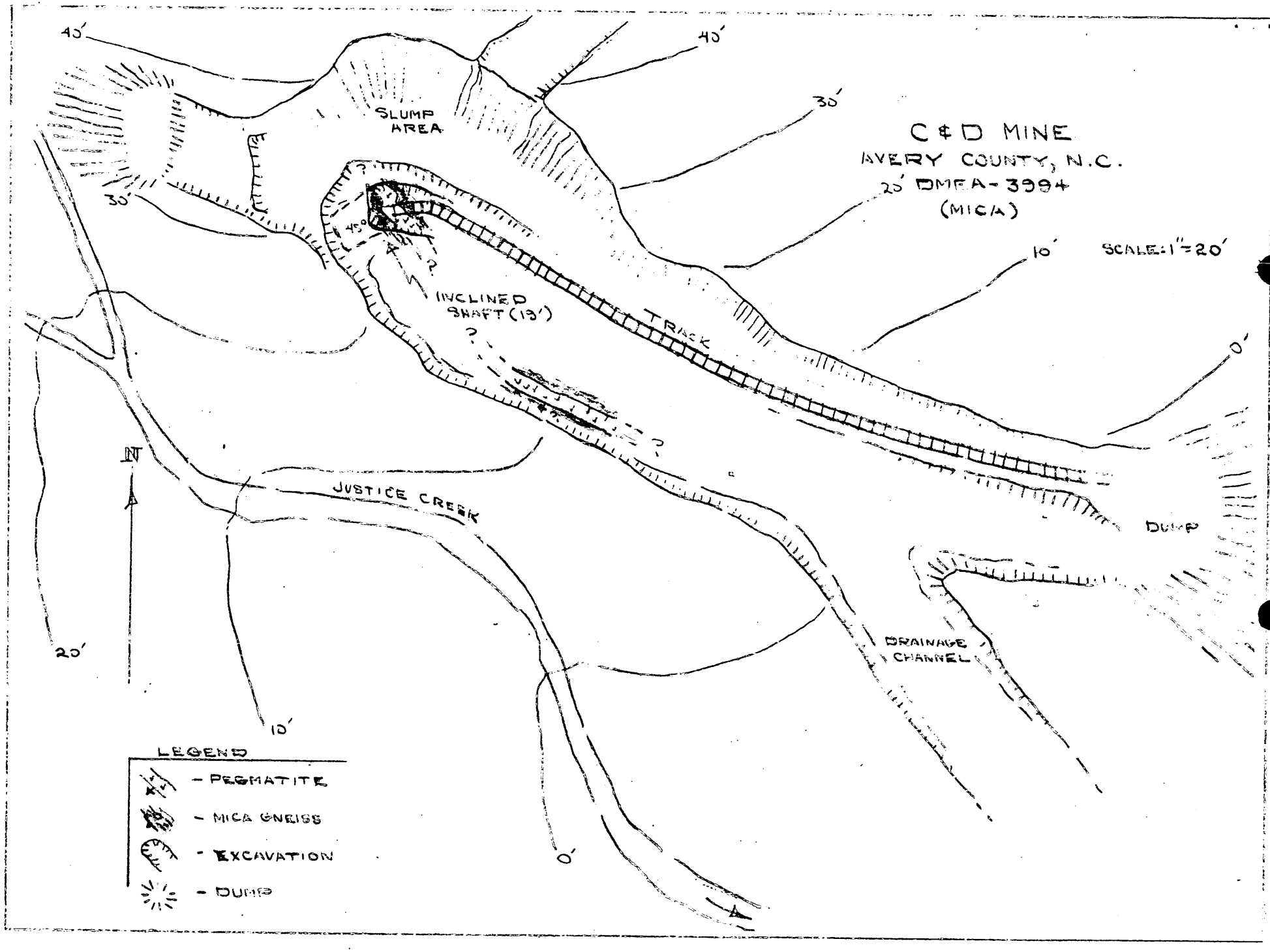
Expenditures:

(a)	Total amount of Contract	$4,624.00
(b)	Total Spent	1,475.87
(c)	Government's participation	1,106.90
(d)	Government's share unexpended	2,361.10
(e)	Value of production	(?)
(f)	Royalty paid	None

August 7, 1956

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

A. R. Taylor, Geologist
S. C. Bergman, Geologist
U. S. Geological Survey


C & D MINE
AVERY COUNTY, N.C.
DMEA-3994
(MICA)
SCALE: 1" = 20'
SLUMP AREA
INCLINED SHAFT (13')
TRACK
JUSTICE CREEK
DUMP
DRAINAGE CHANNEL
N
40'
30'
20'
10'
0'
LEGEND
- PEGMATITE
- MICA GNEISS
- EXCAVATION
- DUMP

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April & May, 1956 Docket No. DMEA 399 Contract No. E-898
Operator's Name C & D Mining Co. Minerals Mica
Address Plumtree, North Carolina
Contract Amount, $ 4,624.00 Government Participation: 75 % Amount, $ 3,468.00

RECEIVED JUL 16 1956

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		300.00	300.00		300.00	300.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	604.39		604.39	574.25		574.25
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	50.00		50.00	50.00		50.00
Explosives & Nails	10.54		10.54	10.54		10.54
Pipe						
Track						
Gasoline	85.80		85.80	85.80		85.80
(4) Operating Equipment:						
Rental	290.00		290.00	290.00		290.00
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		114.00	114.00		114.00	114.00
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	12.09		12.09	7.34		7.34
Liability Insurance 7.27%	43.94		43.94	43.94		43.94
(8) Contingencies (specify):						
TOTALS $	1,096.76	414.00	1,510.76	1061.87	414.00	1475.87

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 5/10/56 *Payee C & D Mining Company
Per Mrs Dora C. Vance Title Partner

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 796.40
Signature Helen R. Muller (Authorized Certifying Officer)
Date JUL 13 1956 Vou. No.
(See other side)

265.47

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E898 in accordance with the terms of the contract.

Signature V. J. Lynch Title Mining Eng. Date 7/9/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Lawrence Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
JUL 16 1956

Month of April & May 1956 6 Docket No. DMEA 3994 Contract No. E898
Operator's Name C & D Mining Co. Minerals Mica
Address Plumtree, North Carolina

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Slope	Ft.	1,096.76	19	1,096.76	19	57.72	19	1,096.76
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching	Cu. Yd			300.00	1000	0.30	1000	300.00
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				114.00				
TOTAL COSTS				$ 1,510.76				

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

Date May 10, 1956 Operator C & D Mining Co.

Per Mrs Ivor C. Vance Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

V. J. Lynch
Mining Eng.
7/9/56.

Initial Report

INSTRUCTIONS

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

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

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

GPO 872894

Pay Roll-

G. & D. Mining Co. April & May 1956-

	Vouch-	Coctel
April 6- 1956 Lane Buchanan	-$[illegible]296	$ 1.[illegible]
" " Orlin Hopson	- $[illegible]1.00	
" " Joe Lo Kinney	- $ 39.63	
April 20 1956- Lane Buchanan	- $[illegible]00.00	$1.[illegible]
" " Bob Pitman	- $[illegible]80.00	$1.[illegible]
" " Roscoe Buchanan	$[illegible]00.00	$1.[illegible]
May 4 1956- Lane Buchanan	$[illegible]77.50	$1[illegible]
" Bob Pitman	$[illegible]60.00	$[illegible]
" Roscoe Buchanan	$[illegible]35.00	$[illegible]
" Carl Green-	$ 75.00	$[illegible]
	$[illegible]4.38	$ 1[illegible]

Mrs Ivor C. Plunstree,

RECEIVED
JUL 16 1956

Pay Roll-

C. & D. Mining Co. April & May 1956-

		Gross-	Social Security-
April 6- 1956	Lane Buchanan	-[illegible]	$ 1.04
" "	Evin Robson -	$51.00	.62
" "	Don Ko Kinney -	$ 39.00	.67
April 20 1956-	Lane Buchanan-	$00.00	$1.00
" "	Rob Pilson-	$60.00	$1.00
" "	Roscoe Buchanan	$00.00	$1.00
May 4 1956-	Lane Buchanan	$77.50	$1.50
"	Rob Pilson	$60.00	$1.20
"	Roscoe Buchanan	$35.00	$ .70
"	Carl Greene-	$ 75.00	$1.50
		$[illegible]	$ 12.00

Mrs Ivor C. Vance - Partner
Alpenstree, N. C.

RECEIVED
MAY 18 1956
...vey
...ing Division
Knoxville, Tenn.

July 5, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA- Region V - Knoxville, Tenn.

Subject: Idm-E898, DMEA-399h, C & D Mining Co., Termination Agreement
C & D Mine - Avery County, N. C.

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

Robert A. Laurence

ZM.
cc:
Lynch
Finance Office
Shirley
Files

RECEIVED
JUL 9 - 1956

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

Mrs. Helen R. Miller
Administrative Assistant
Bureau of Mines, Region V
P. O. Box 317
Morris, Tennessee

Re: Docket No. DMEA-3994 (Mica)
C & D Mining Company
C & D Mine
Plumtree, North Carolina
Contract No. Idm-2898

Dear Mrs. Miller:

Returned herewith is your Finance Office file, covering the referenced project, as submitted by your memorandum of July 3, 1956, for use by this Division in preparing a Report of Review in lieu of a final audit.

The review has been completed and the Report of Review will be forwarded to the regional Executive Officer within the next few days. It is suggested that final payment on this account be withheld until you receive your copies of the Report of Review.

Your courtesy in submitting the requested documents is appreciated.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
July 5, 1956

Copy to: Docket
Admr. Reading File
R. A. Laurence
Mr. Houk
Mr. Chambers

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

JUN 2 1956

Re: Docket No. DMEA-3994-mine
C & D Mining Company
C & D Mine
Avery County, North Carolina
Contract No. Idm-2898

Dear Mr. Lawrence:

Reference is made to the Field Team memorandum of May 18, 1956, recommending termination of the subject contract by mutual agreement.

We have prepared and enclose herewith the original and five copies of a Termination Agreement, with effective date as shown, for your signature. If it meets with your approval, please sign it in behalf of the Government and present it to the operator for approval and signature.

If any part of this agreement 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 are to be returned to this office, together with the proposed changes, for consideration.

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

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Approved:

P. F. Yopes

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

Enclosures:6

WGAnderson:ms 6/19/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Bouk
Admr. R. File

Mr. Houk

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

JUN 1 1956

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

Re: Docket No. DMEA-3994 (Mica)
C & D Mining Company
C & D Mine
Flintstone, North Carolina
Contract No. Idm-2898

Dear Mr. Laurence:

Returned herewith is the Finance Office's contract file on the referenced contract, including the payroll transcript and the bulldozing invoice, as submitted by your memorandum of May 29, 1956, in response to my letter request of May 22, 1956.

I regret to advise that, inasmuch as documentary evidence of the claimed costs of $114.00 for buildings has not been submitted as requested in the penultimate paragraph of my May 22, 1956 letter, a Report of Review in lieu of a final audit cannot as yet be released. It is requested that the required documentary support of these building costs be obtained from the Operator and submitted to this Division for review.

For your information a review of the file submitted indicates the following disallowances are in order:

Labor

Apr. 6 payroll lists Lane Buchanan for 33½ hrs. @ $1.50, gross $52.26, and Tom McKinney for 33½ hrs. @ $1.00, gross $33.63, whereas correct computations are $50.25 and $33.50, respectively..... $ 2.14

Apr. 20 and May 4 payrolls list Zeb Pitman for aggregate of 112 hrs. @ $1.25, gross $140.00, whereas the contract specifies $1.00 an hour as the maximum allowable for labor..... 28.00

Payroll Taxes

Taxes on the wages paid to Lane Buchanan, one of the partners, such taxes being a personal expense and properly reportable to the Internal Revenue Service as self-employment tax..... 4.19

Taxes on portion of Zeb Pitman's wages disallowed above..... .56

Total..... $34.89

It is suggested, therefore, that payment of the final MF-104 be held in abeyance pending the release of the Report of Review.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
June 1, 1956

Copy to: Docket
Admr. Reading File
Helen R. Miller
Mr. Chambers
Mr. Houk
Mr. Talbert

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

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

MAY 22 1956

Re: Docket No. DMEA-3994 (Mica)
C & D Mining Company
Coward Mine
Plumtree, North Carolina
Contract No. Idm-2898

Dear Mr. Lawrence:

By memorandum dated May 18, 1956, you forwarded the original April and May, 1956, MF-104 and MF-104A, together with supporting documentation, of the referenced Operator with the request that this Division issue a Report of Review in lieu of a final audit.

The Operator's claim for Labor aggregating $604.39 is supported by a payroll summary rather than copies or transcripts of the actual payrolls as required by the penultimate paragraph of the instructions on the reverse of the MF-104. Before a proper review may be made it will be necessary for the Operator to submit acceptable copies or transcripts of the payrolls listing by pay periods each employee by name, job title, wage rate, hours of employment, gross earnings, itemized deductions and net earnings. Such transcripts or copies are required to bear a certification stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature.

It is suggested that the required payroll documentation be obtained from the Operator and submitted to this Division for further review. With the submission of the payroll documentation please also forward the documentary evidence, which presumably is attached to the paid copies of the December 1955 and February 1956 forms MF-104, covering the claimed costs of $300.00 for bulldozing and $114.00 for buildings. Upon receipt of these documents this Division promptly will issue a Report of Review.

The April and May, 1956, MF-104, MF-104A and attachments are returned herewith.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosures

EDTalbert/wb 5-22-56

Mr. Chambers
Mr. Houk
Mr. Talbert

Copy to: Docket
Admr. Reading File
Helen R. Miller

RECEIVED
MAY 21 1956

May 18, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Request for Termination - Idm-8898, DMEA-3994 (mica)
C & D Mining Co., Avery County, North Carolina

Termination of this contract has been requested by the Operator and recommended by the Field Examiners.

Caving ground and water from a nearby creek has made it almost impossible to sink the shaft and if it is sunk it will be at a high cost.

The Field Team concurs with the Field Examiners and the Operator in requesting a termination of the contract by mutual agreement, the date of termination should be May 9, 1956.

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

V. J. Lynch, Member
Bureau of Mines

VJL/mm
cc:
Lynch
Files
Shirley

RECEIVED
MAY 31 1956

May 18, 1956

Memorandum

A

To: Operating Committee, DMEA - Washington

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

Subject: Request for Termination - Idm-E898, DMEA-3994 (mica)
C & D Mining Co., Avery County, North Carolina

Termination of this contract has been requested by the Operator and recommended by the Field Examiners.

Caving ground and water from a nearby creek has made it almost impossible to sink the shaft and if it is sunk it will be at a high cost.

The Field Team concurs with the Field Examiners and the Operator in requesting a termination of the contract by mutual agreement, the date of termination should be May 9, 1956.

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

V. J. Lynch, Member
Bureau of Mines

VJL/xm
cc:
Lynch
Files
Shirley

RECEIVED
MAY 18 1956

INTERIM REPORT

DMEA-3994, Idm-E898 (mica), C & D MINE

Operator: C & D Mining Co., c/o Mrs. Ivor Vance, Plumtree, N. C.

Location: 3000 feet S. 66° W. of Spears, Avery County, N. C.

The incline shaft totals 19 feet. Heavy rain during the past week completely filled the shaft with mud making it impossible to inspect the pegmatite.

The operator wishes to terminate the project because of difficulty from caving and sluffing of high banks. The field examiners agree with this request.

Inspected: May 8, 1956

A. L. Peyton, Mining Engineer
Bureau of Mines

S. C. Bergman, Geologist
Geological Survey

g

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

RECEIVED
MAY 16 1956

May 14, 1956

Memorandum

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

From: Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Termination - Contract No. Idm-E898 (Mica), DMEA-3994
C & D Mining Company, Avery County, North Carolina

Enclosed is a copy of a letter from Ivor C. Vance, operator of subject contract, requesting termination of the contract.

The Field Team is of the opinion that operator cannot successfully sink the shaft and we therefore request that the contract be terminated by mutual agreement.

V. J. Lynch
Acting Executive Officer
DMEA Field Team

Alfred R. Taylor, Geologist
U. S. Geological Survey

VJL/mg
Enclosure
cc
Operating Committee (2)
Lynch
Shirley
Laurence

RECEIVED
MAY 16 1956

C & D Mining Company
Plumtree, North Carolina
May 10, 1956

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Post Office Bldg.
Knoxville, Tennessee

Subject: Contract DMEA-3994
Idm-E898

Dear Mr. Laurence:

In view of the fact that it has been so difficult to operate the above subject mine, we wish to terminate subject contract.

We have spent a considerable sum of money trying to open this mine, but due to the fact that there is an excessive amount of water and soft material, we do not feel that it is profitable to continue operation.

Excessive amounts of rain and surface water would soften material to the extent that it would seep through timbers to such an extent that within four month's time we were able to reach a depth of only 19 feet.

We are convinced that there is a considerable amount of mica at this location and it is our plan to try to reach it from another angle. Thanking you for your cooperation, we are

Very truly yours,

C &.D MINING COMPANY

Mrs Ivor C Vance

Mrs. Ivor C. Vance
Partner

Mrs. ICV/er

RECEIVED
MAY 14 1956
Geological Division
Knoxville, Tenn.

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

RECEIVED
MAY 16 1956

May 14, 1956

Memorandum

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

From: Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Termination - Contract No. Idm-E898 (Mica), DMEA-3994
C & D Mining Company, Avery County, North Carolina

Enclosed is a copy of a letter from Ivor C. Vance, operator of subject contract, requesting termination of the contract.

The Field Team is of the opinion that operator cannot successfully sink the shaft and we therefore request that the contract be terminated by mutual agreement.

V. J. Lynch
Acting Executive Officer
DMEA Field Team

Alfred R. Taylor, Geologist
U. S. Geological Survey

VJL/mg
Enclosure
cc
Operating Committee (2)
Lynch
Shirley
Laurence

RECEIVED
MAY 16 1956

C & D Mining Company
Plumtree, North Carolina
May 10, 1956

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Post Office Bldg.
Knosville, Tennessee

Subject: Contract DMEA-3994
Idm-E898

Dear Mr. Laurence:

In view of the fact that it has been so difficult to operate the above subject mine, we wish to terminate subject contract.

We have spent a considerable sum of money trying to open this mine, but due to the fact that there is an excessive amount of water and soft material, we do not feel that it is profitable to continue operation.

Excessive amounts of rain and surface water would soften material to the extent that it would seep through timbers to such an extent that within four month's time we were able to reach a depth of only 19 feet.

We are convinced that there is a considerable amount of mica at this location and it is our plan to try to reach it from another angle. Thanking you for your cooperation, we are

Very truly yours,

C & D MINING COMPANY

Mrs Ivor C Vance

Mrs. Ivor C. Vance
Partner

Mrs. ICV/er

RECEIVED
MAY 14 1956
Geological Division
Knoxville, Tenn.

Interim Report

DMEA-3994, Idm-E898-Mica, C & D MINE

Operator: C. &. D Mining Co., c/o Mrs. Ivor Vance, Plumtree, N.C.

Location: 3000 feet S 66° W of Spears, Avery County, N. C.

The Operator has cut 14 feet of incline to date. Timbering is exceedingly difficult because of water and weathered material over the incline. It is possible this condition will improve after a few feet. Instructions were given to continue sinking on pegmatite.

Inspected: April 24, 1956

A. L. Peyton, Mining Engineer
Bureau of Mines

S. C. Bergman, Geologist
Geological Survey

RECEIVED
MAY 3 - 1956

INTERIM REPORT

RECEIVED
APR 18 1956

DMEA-3994, Idm-E898(mica) C. & D. MINE

Operator: C & D Mining Company, c/o Mrs. Ivor Vance, Plumtree, N. C.

Location: 3000 feet S 66° W of Spears, Avery County, N. C.

The Operator has cut a total of 8 feet of incline. The soft wet material over the incline is making timbering very difficult. Present exposures are insufficient for an accurate description of the pegmatite. The Operator was instructed to continue the incline staying with the pegmatite.

Progress is very slow due to difficulty in timbering soft material.

April 10, 1956, inspected

A. L. Peyton, Mining Engineer
Bureau of Mines

S. C. Bergman, Geologist
Geological Survey

RECEIVED
APR 9 - 1956

INTERIM REPORT

DMEA-3994, Icm-E898 (mica) C & D MINE

Operator: C & D Mining Company, c/o Mrs. Ivor Vance, Plumtree, N. C.

Location: 3,000 feet S 66° W of Spears, Avery County, N. C.

The Operator has cut 4 feet of incline exposing a 3 foot pegmatite striking northwest and dipping to the southwest. Progress has been exceptionally slow due to heavy sluffing from the hillside. Apparently this difficulty has been overcome. The exposure was not sufficient to make an appraisal of the mica content.

Inspected: March 27, 1956

A. L. Peyton, Mining Engineer
Bureau of Mines

S. C. Bergman and A. R. Tayler, Geologists
Geological Survey

INTERIM REPORT

DMEA-3994, Idm-E898, C & D MINE

Operator: C & D Mining Company, c/o Mrs. Ivor Vance, Plumtree, N. C.

Location: 3,000 feet S 66° W of Spears, Avery County, North Carolina

No progress to report. Operators efforts to collar shaft have failed due to excessive sluffing of hillside. Further attempts will be made to collar the shaft and complete the contract.

Inspected: March 13, 1956.

A. L. Peyton, Mining Engineer
Bureau of Mines

S. G. Bergman and A. R. Taylor, Geologists
Geological Survey

RECEIVED
MAR 28 1956

P. O. Box 217
March 20, 1956

Memorandum

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

From: Administrative Assistant, Electrotechnical Experiment Station, Norris, Tennessee

Subject: Monthly reports and vouchers

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

Idm-E-898 C & D Mining Company
Docket No. DMEA-399A —A
2nd payment - month of February
Amount $85.50

Helen R. Miller

Attachments
/hbm
Copies to R. A. Laurence
V. J. Lynch
Norris files
Day files

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

PAID ON VOUCHER & SCHEDULE OF PAYMENTS K-

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1956 Docket No. DMEA RECEIVED Contract No. E-888
Operator's Name C & D Mining Co. Minerals Mica
Address Plumtree, North Carolina MAR 22 1956
Contract Amount, $ 4,624.00 Government Participation: 75 % Amount, $ 3,468.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing		300.00	300.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	114.00	-	114.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	114.00	300.00	414.00	114.00	300.00	414.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 3-15-56 *Payee C & D Mining Co.
Per Mrs Ivor Vance Title Partner

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

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

(Instructions on reverse)

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

$ 85.50

Signature Helen R. Mullis
(Authorized Certifying Officer)

Date MAR 20 1956 Vou. No.
(See other side)

28.50

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 898 in accordance with the terms of the contract.

Signature V. J. Lynch Title Mining Eng. Date 3-16-56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Robert A. Laurence Title EXECUTIVE OFFICER DMEA REGION V Date MAR 20 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
MAR 22 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1956 Docket No. DMEA 3994 Contract No. E-898
Operator's Name C & D Mining Co. Minerals Mica
Address Plumtree, North Carolina

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching	Cu. Yd.			300.00	1000	0.30	1000	300.00
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.		114.00		114.00				
TOTAL COSTS		114.00		114.00				

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

Date 3-15-56 Operator C & D Mining Co.
Per Mrs Ivor Vance Title Partner

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

(Instructions on reverse)

REMARKS:

(For Government use only)

V. J. Lynch
Bureau of Mines
3-16-56

INSTRUCTIONS

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

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

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

GPO 872894

C & D MINING COMPANY

NARRATIVE REPORT

RECEIVED
MAR 22 1956

February, 1956

The shop and magazine have been finished. We did extra bulldozing - 6½ hrs. at our own expense which fell in the next day.

Condition of the mines and being on the outside has made it impossible to work regularly. The work that we have done, does not show progress because of the cave-ins due to excess rain. We have done very little drilling. Most of the work done has been by hand - moving mud. We hope, weather conditions permitting, we will be able to set timbers within the next week.

The following was spent for new buildings, improvements, etc: Tool House $80.00, Powder Magazine $19.00 and Exploder Magazine $15.00.

Mrs Ivor C. Vance

Mrs. Ivor C. Vance,
Partner

RECEIVED
MAR 1 2 1956

INTERIM REPORT

DMEA-3994, Idm-E898, C & D MINE
(mica)

Operator: C & D Mining Company, c/o Mrs. Ivor Vance, Plumtree, N. C.

Location: 3,000 feet S 66° W of Spears, Avery County, N. C.

No progress on shaft sinking due to excessive sluffing of hillside. Operators efforts to expose pegmatite and collar shaft have been unsuccessful. Contract funds for preparation of shaft site have been depleted. Operator will make another effort to clear away debris and collar shaft.

Inspected: February 28, 1956

V. J. Lynch and A. L. Peyton, Mining Engineers
U. S. Bureau of Mines

S. C. Bergman and A. R. Taylor, Geologists
U. S. Geological Survey

RECEIVED

INTERIM REPORT

DMEA-3994, Idm-E898, C & D MINE (mica)

Operator: C & D Mining Company, c/o Mrs. Ivor Vance, Plumtree, N. C.

Location: 3000 feet S 66° W of Spear, Avery County, North Carolina

Shaft sinking has not begun due to continuous sluffing of material from the slope on the north side of the trench. In view of the fact that the funds for bulldozing have been depleted, it was suggested the Operator start shaft sinking with sufficient cribbing to control the sluffing and give ample protection for the crew. The Operator will bear the expense of cribbing and preparing the site for starting the shaft. A description of the pegmatite could not be obtained at this inspection due to mud and water in trench.

Inspected: Feb. 14, 1956

A. L. Peyton, Mining Engineer
Bureau of Mines

S. C. Bergman and A. R. Taylor, Geologists
Geological Survey

TF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED
JAN 16 1956

Month of December, 195 5 Docket No. DMEA 3994 Contract No. IDM-E 898
Operator's Name C & D Mining Co., % Mrs. Ivor Vance Minerals Mica
Address Plumtree, N. C.
Contract Amount, $ 300.00 Government Participation: 75 % Amount, $ 225.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing (1000 Cu. Yds)$300.00)			$300.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$300.00	---	$300.00	300.00		300.00

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

Date 1-5-56 *Payee Mrs. Ivor Vance

Per _____ Title Partner

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

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

(Instructions on reverse)

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

$ 225.00

Signature Helen R. Mullin
(Authorized Certifying Officer)

Date JAN 12 1956 Vou. No. 56

(See other side)

75.00

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature S. C. Bergman Title Geologist USGS Date 1/10/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature V. J. Lynch ACTING Title EXECUTIVE OFFICER DMEA REGION V Date JAN 11 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 16 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1955 Docket No. DMEA 3994 Contract No. IDM-E 898
Operator's Name C & D Mining Company % Mrs. Ivor Vance Minerals Mica
Address Plumtree, N. C.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing	Cu. Yds.	$300.00	1,000 Cu. Yds.	$300.00	1,000	.30	1,000	.30
Total Distributed Costs		$300.00		$300.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$300.00		$300.00				

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

Date January 5, 1956 Operator C & D Mining Company

Per Mrs. Ivor C. Vance Title Partner
Daisy E. Vance

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

(Instructions on reverse)

Remarks:

(For Government use only)

S. C. Bergman. Geologist USGS
1/10/56

INSTRUCTIONS

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

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

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

GPO 87.2894

RECEIVED
JAN 16 1956

C & D MINING COMPANY

Plumtree, N. C.

January 9, 1956

United States Department of the Interior
Defense Minerals Exploration Administration
Post Office Building
Knoxville 2, Tennessee

Attention: Mr. Robert A. Laurence
Executive Officer, DMEA
Region V

Reference: DMEA-3994-Idm-E898-M
C & D Mining Company

Dear Mr. Laurence:

We began work with the Bulldozer on December 9th and worked 6 hours that day. Then 8 hours on December 12th, 8 hours on December 13th, and 8 hours on December 14th, a total of 30 hours.

That was the extent of our work for the month of December.

Very truly yours,

C & D MINING COMPANY

(Mrs.) Ivor Vance

Mrs. Ivor Vance
Partner

DEV:fmw

A.

RECEIVED
JAN 27 1956

INTERIM REPORT

DMEA-3994, Idm-E898 (mica) C AND D MINE

OPERATOR: C and D Mining Co., c/o Mrs. Ivor Vance, Plumtree, N. C.

LOCATION: 3,000 feet S66°W of Spear, Avery County, North Carolina

Actual shaft sinking is not in progress on this contract to date. Other work has been in progress when weather conditions would permit it. Track has been lain from the shaft site to the end of the open cut, and a mine car will be used to facilitate muck removal. A tool house, powder magazine, and cap magazine have been built. Equipment on the job consists of a 105 c.f.m. air compressor with necessary drilling attachments, a gasoline powered hoist and hand tools.

The Field Examiners have suggested to the Operators that shaft sinking be delayed temporarily until loose material stops moving in from the high side of the cut due to recent freezing and thawing. It was pointed out that it will be necessary to remove all loose material from the trench and slope the east side of the cut properly before starting shaft sinking. Shaft sinking is expected to be delayed at least one month, and is not expected to increase any costs to the government because of the delay.

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

S. C. Bergman and A. R. Taylor, Geologists
U. S. Geological Survey

January 17, 1956

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

RECEIVED
JAN 13 1956

January 10, 1956

The C & D Mining Company
c/o Mrs. Ivor Vance
Plumtree, North Carolina

Re: DMEA-3994, Idm-8898 (mica)
C & D Mine, Avery County, N.C.

Dear Mrs. Vance:

Permission is hereby granted to start Stage II of the subject contract.

Very truly yours,

V. J. Lynch, Acting Executive Officer
DMEA Field Team, Region V

VJL/sm
cc:
Lynch
Opr. Com.
Shirley
Files

INTERIM REPORT

DMEA-3994, Idm-E898 (mica) C AND D MINE

OPERATOR: C. and D Mining Co., c/o Mrs. Ivor Vance, Plumtree, N. C.

LOCATION: 3,000 feet S66°W of Spear, Avery Co., N. C.

Stage I. - Trenching by bulldozer has been completed on this contract. Some additional trenching was necessary to provide proper drainage for the open cut and to divert a small stream near the stripped area. The Operator stated that machine time required slightly exceeded the allowable maximum as provided in the contract; this additional work was performed at the Operator's own expense. The excavation consisted of widening and deepening an existing open cut to properly expose the pegmatite. The trench trends to the northwest and is 125 feet x 24 feet x 12 to 14 feet deep. Pegmatite is sporadically exposed over a strike length of 30 feet and is composed of kaolinized feldspar, quartz, and scattered muscovite mica.

The Examiners recommend that Stage II be undertaken. A shaft site was spotted and incline sinking will get underway as soon as written approval is sent to the operator.

The completion of Stage I of this contract was impeded by inclement weather.

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

S. C. Bergman and A. R. Taylor, Geologists
U. S. Geological Survey

January 4, 1956

Cander.on

INTERIM REPORT

DMEA-3994, Idm-E898 (mica) CAND D MINE

OPERATOR: Cand D Mining Co., c/o Mrs. Ivor Vance, Plumtree, N. C.

LOCATION: 3,000 feet S66°W of Spear, Avery Co., N. C.

The starting date on this contract was December 8, 1955. Trenching by bulldozer is underway, and 11.5 hours have been expended to date on work performed, according to the operator. Instructions were given concerning additional bulldozing to better expose the pegmatite. Suggestions were made for shaping up the cut to provide proper drainage. Another visit will be made to the project in the near future.

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

S. C. Bergman and
A. R. Taylor, Geologists
U. S. Geological Survey

December 12, 1955

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

RECEIVED
DEC - 8 1955

December 6, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V

Subject: Signed Contract: Idm-E398, DMEA-399¼, C. &. D. Mining Co.
C & D Mine, Avery County, North Carolina

Transmitted are three signed copies of the subject contract. The usual distribution of the other copies has been made by this office.

Robert A. Lawrence

ZM.
cc:
Finance Office
Lynch
Shirley
Files

600

NOV 23 1955

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

Subject: Docket No. DMEA-3994 - Mica
Mrs. Ivor Vance, et al.
C & D Mining Company
C & D Mine
Avery County, North Carolina

Dear Mr. Laurence:

Please find herewith the original and five copies of a contract with two extra copies of "Exhibit A" covering the subject exploration project which have been signed by the Administrator for the Government with effective date as shown. The Consent to Lien lacks the signature of Mr. Sam Odom, one of the joint owners. His Consent to Lien should be obtained before the contract is executed.

If the contract meets with your approval present it to the Operators for approval and signature. If any part of this contract does not have either your approval or that of the Operators 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.

Please bring to the attention of the Operators that this is an actual cost contract and they must keep copies of their payrolls and vouchers of purchases and get receipts of all cash payments not made by check. The original of the monthly Forms MF-104 must be supported by appropriate documentary evidence of the costs claimed.

This contract automatically makes maximums of the totals shown in Categories I, IV, and VI but not the individual items in Category VI. Other maximums are shown by an asterisk.

After execution of the contract, the copies are to be distributed in the usual manner. Copies of memoranda dated November 3 and 7, 1955, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Approved:
/s/ Robert W. Geehan

Member, Bureau of Mines
No Objection

Member, Geological Survey

Enclosures 12

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

WCAnderson:gad 11/21/55
Copy to: Admr. R. File
Mr. Kiilsgaard, 5222
Operating Committee
Mr. Dietrich, 3061
Docket
Mr. Houk

EXPLORATION PROJECT CONTRACT
C & D MINING COMPANY
DOCKET NO. DMEA-3994

EXHIBIT "A"

Description of the Work

Exploration for concentrations of strategic mica shall be accomplished as hereinafter stated in the area indicated on the map entitled "Sketch of the C & D Mine, Avery Co., N.C. DMEA-3994 (mica) 10-13-55," attached hereto and made a part hereof.

The work is divided into two stages as indicated below. The Operator shall perform the work described in Stage I, and shall perform as much of the work described in Stage II as the Government approves ~~in advance~~ in writing.

delete - wm

Stage I

With a D-4 bulldozer or equivalent, excavate a trench obliquely across the pegmatite. The minimum size of this trench shall be 100 feet long by 24 feet wide by 12 feet deep.

Stage II

1. Construct:

   (a) A toolhouse, minimum dimensions 7 feet by 8 feet by 10 feet.

   (b) A powder storage magazine, minimum dimensions 4 feet by 3 feet by 2½ feet.

   (c) An exploder storage magazine, minimum dimensions 2 feet by 1½ feet by 1 foot.

The toolhouse may be unfloored; shall be made from rough, unfinished lumber, with protective roof covering; and shall be equipped with lock and key.

The powder and exploder magazines shall be boxed on all sides; shall be made from 2-inch hardwood or 3-inch softwood lumber; and shall be braced at the corners. No metal shall be exposed; and the lids or doors shall be securely locked with the equivalent of a 5-tumbler jarproof lock.

1 hoist @ $50.00/mo. $ 150.00

1 jackleg @ $10.00/mo. 15.00

(b) Purchases - None

(c) Depreciation - None

Category (5) Initial Rehabilitation and Repairs - None

Category (6) New Buildings, Fixtures, and Installations

Toolhouse, powder magazine, and exploder magazine 114.00 1/

Category (7) Miscellaneous - Only the following items of cost are allowable under this category:

Compensation insurance, unemployment insurance, social security and ~~sales tax~~ 310.00

Estimated Total Cost of Project $4,624.00

Government Participation @ 75% $3,468.00

1/ This maximum amount represents the amount of depreciation that the items of property will sustain during the time of the exploration project and not the actual total cost of construction; therefore, the Government shall have no interest in these items of property under Article 9 of the contract.

The Gov retains no interest in the salvage value of these structures

Rewritten

600

Memorandum

To: The Administrator, DMEA
Attention: Chief, Nonmetallic Minerals Division

From: Associate Solicitor, Division of Mineral Resources

Subject: Docket No. DMEA-3994, C & D Mining Company (mica)

Pursuant to your request we have prepared the attached contract forms.

The Consent to Lien lacks the signature of Mr. Sam Odom, one of the joint owners. His Consent to Lien should be obtained before the contract is executed.

Robert P. Dwyer

Attachments

PIndritz/emd
Copy to: DMEA Docket
Solicitor's Docket
Mr. L. G. Houk
P. Indritz
R. P. Dwyer
chron.

Memorandum to the Files

From: Walter C. Anderson

Subject: Evaluation of application and field examination report.
Docket No. DMRA-3994-Mica
Mrs. Anna Vance, et al
d/b/a C and D Mining Company
C and D Mine
Avery County, North Carolina.

A contract is recommended.

Mica: Abundant, green colored, free of stain, flat and flat-A, free splitting and occurs in moderately large sizes.

Pegmatite: Unzoned, semi-weathered, in excess of 3.5 feet thick, conformable to the mica-schist wall rock. Exposed along strike for a distance of 20 feet.

Old Workings: Trench 8 feet deep by 50 feet long.

Method of exploring: The applicant proposed some stripping and a 100 feet drift along the strike of the pegmatite. The Field Team recommends a 2 stage project instead. If favorable pegmatite is exposed by trenching in Stage I, then sink on the pegmatite a 50 foot inclined shaft and from this incline drive 60 feet of drift on the pegmatite.

Recommendations:

The Nonmetallic Minerals Division concurs in Field Team's proposal, which has the advantage of a 2 stage contract. The initial cost of trenching, $300.00, is justified to ascertain the extent and

mica content of the pegmatite before commencing Stage II, which will cost $4,424.00. Per foot costs of shaft sinking and lifting will amount to $43.00 and $24.33, which is in line with costs of similar projects in the area. The commodity members of the Geological Survey and the Bureau of Mines concur.

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

RECEIVED
NOV - 7 1955

November 7, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3994 (mica)

Applicant: C&D Mining Co., Mrs. Ivor Vance

Name and Location of Property: C&D Mine, Avery County, N. C.

Date of Field Team Report: 10/13/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/3/55

Field Team Recommendation: Recommend a 2-stage unit-cost exploration program.

Comments:

1. Present exploration work indicates possible occurrence of strategic mica.

2. Total estimated costs are in the amount of $4,724.00.

3. This is a new prospect and no data of past production are available.

Recommendation:

I concur with the field team's recommendation.

Signed

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
NOV - 4 1955

November 3, 1955

Re: DMEA 3994
C & D Mining Co.
C & D Mine
Avery County, N. C.
$4,724.00 - Mica

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report.

The recommended 2-stage program for this property would consist of:--

Stage I -	Stripping	$ 300.00
Stage II -	Shaft, 50 feet	2,150.00
	Drift, 60 feet	2,160.00
	Preparatory work	114.00
	Total	$4,724.00

A new discovery which shows abundant good mica is to be explored as shown above.

I concur with the recommendation of the Field Team that the application be accepted.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-11/3/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
W. F. Dietrich, 3061

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

October 27, 1955

RECEIVED
OCT 31 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V

Subject: Field Examination Report, DMEA-3994 (mica) C. &. D. Mining Co. Plumtree, N. C. C. &.D. Mine, Avery County, N. C.

Enclosed are four copies of the subject examination report, and nine extra copies of the sketch map.

We recommend approval of a two-stage, unit-cost contract as outlined in the examination report. We would prefer to see the work under Stage I set up as a maximum of 30 hours bulldozing at $10.00 per hour to cut a trench approximately 100 x 24 x 12.

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

V. J. Lynch, Member
U. S. Bureau of Mines

RAL/sm
cc:
Lynch
Shirley
Files

11-4-55

RECEIVED
OCT 31 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT BY FIELD TEAM
REGION V

ON

DMEA-3994, C & D MINE (mica)
Avery County, N. C.

By

11-4-55

Keften H. Teague, Geologist
U. S. Geological Survey
and
Lawrence E. Shirley, Mining Engineer
U. S. Bureau of Mines

October 13, 1955

FIELD EXAMINATION REPORT
On
DMEA-3994, C & D Mine (mica)

RECEIVED
OCT 31 1955

Applicants: C & D Mining Co., c/o Mrs. Ivor Vance, Plumtree, N. C.

This is a recently discovered pegmatite on which a limited amount of stripping has been done. Outcrop material is weathered and can be easily stripped. Mica of stragegic grade is present, relatively abundant, and exposed thickness of pegmatite is sufficient to contain considerable reserves. Exploration assistance is recommended to be conducted in two stages.

This deposit was examined on October 9, 1955. Messrs. Ivor Vance, Sam Odom and Lane Buchanan accompanied the examiners on the inspection which required two hours.

The C & D Mine is 3000 feet S 66° W. of Spear, Avery County, North Carolina. Access is good at all times. Area included for the application is adequate for the proposed work. The applicants own all the land surrounding that included for the application.

The applicant has mining experience, and is competent to conduct the proposed work. Lane Buchanan will be in active charge, if the proposed work is undertaken.

Recently the applicants have cut a trench about 8 feet deep by 50 feet in length to expose the pegmatite for a 20-foot length along its strike. The pegmatite is in excess of 3.5 feet thick, strikes nor-th-South, and dips 30° W. It is conformable to the mica schist wall rock. The pegmatite is semi-weathered, contains perthite, plagioclase, quartz, and muscovite. It is relatively coarse textured and is apparently unzoned. Although its position cannot be determined, much "burr-rock" is present in waste from the pegmatite.

The pegmatite is mica-rich. The mica is free of stain, green colored, flat and flat-A, free splitting and occurs in moderately large sizes.

As outlined in the application the applicants desire to strip the pegmatite, then drive a drift to the north on it. The stripping part of the proposal is satisfactory; however, the relief is not sufficient to justify driving ~~in~~ a level from the stripped area. Instead, the examiners recommend that, after stripping is completed, and if favorable pegmatite is uncovered, an incline be sunk on the pegmatite from the stripped area to a depth of 50 feet and 60 feet of drift be driven on the pegmatite from the incline.

Estimated Cost:

Stage I.

Strip cut - 100' x 24' x 12'
1000 cu. yds. @ 30¢/cu.yd. $300.00

Stage II

Toolhouse	76.00
Powder magazine	25.00
Exploder "	13.00

1.9
30/50
30
20
40

Sink 50-foot, 5' x 7', 2-compartment timbered incline (30 shifts) 1.3

Labor:

1 - Miner @ $1.50/hr.	$360.00	$18/ft
1 - Hoistman @ $1.25/hr.	300.00	
1 - Laborer @ $1.00/hr.	240.00	

Equipment (rental)

1 - Compressor, drill and pump @ $240/mo.	360.00	$8.70/ft
Hoist @ $50/mo.	75.00	

Supplies:

Explosives	125.00	- 2.50/ft.
Gasoline and oil	80.00	- 1.60/ft.
Drill steel	50.00	- 1.00
Timber , 4M @ $65/M	260.00	- 5.20
Small tools and pipe	80.00	- 1.60
Miscellaneous	79.00	- 1.60
Compensation Insurance	90.00	2.82
Unemployment Ins. and Social Sec.	36.00	
Sales Tax	15.00	$2,150.00

4.30

2/ft/sh.

Drive 60 feet of drifts on pegmatite from incline (30 shifts)

Labor:

1 - Miner @ $1.50/hr.	360.00	$9.9/ft
1 - Hoistman @ $1.25/hr.	300.00	
2 - Laborers @ $1.00/hr.	480.00	

Equipment(rental)

Compressor, pump, drill and jack-leg @ $250/Mo.	375.00	7.50/ft.
Hoist $50/Mo.	75.00	

Cont'd.

Supplies:

Explosives	$ 50.00	0.81
Gasoline and oil	100.00	1.67
Drill steel	60.00	1.00
Small tools and pipe	50.00	0.81
Miscellaneous	41.00	0.68
Compensation insurance	114.00	2.81
Unemployment Ins. and Social Sec.	45.00	
Sales tax	10.00	~~$2,160.00~~

2.060 34.33

Estimated Cost of Stage II ..... $~~4,424.00~~ 4,324.00

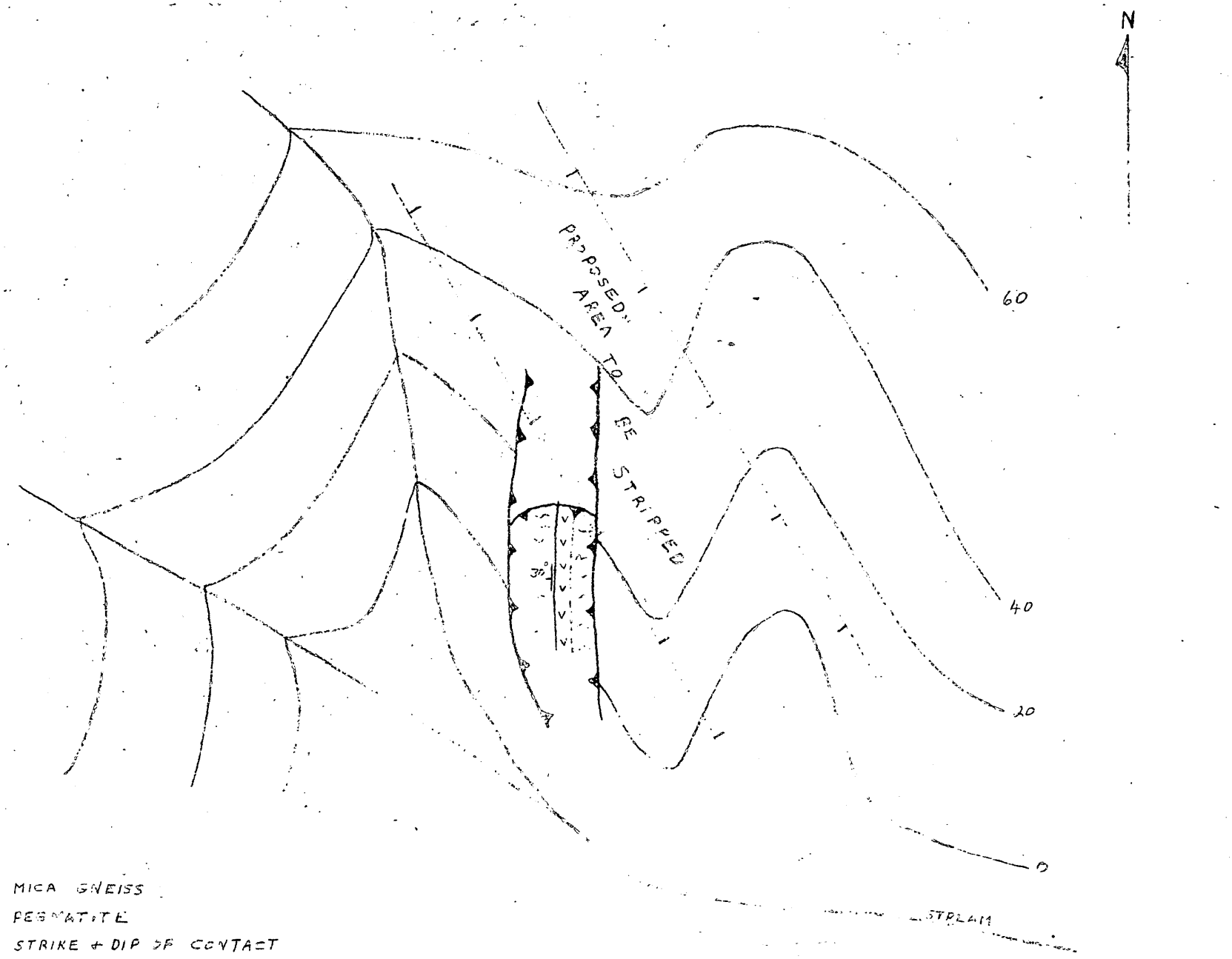
Estimated Cost of Stages I and II $~~4,724.00~~ 4,624.00

October 13, 1955

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

and

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



MICA GNEISS
PEGMATITE
STRIKE & DIP OF CONTACT
CONTACT, APPROX. WHERE DASHED
CUT

SKETCH OF THE

C + D MINE

AVERY CO., N.C.

0 20 40 FEET

SCALE

BEGINNING STAFF

DMEA - 3994 (MICA)

10-13-55

400

OCT 12 1955

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

Subject: Docket No. DMEA-3994 - Mica
C & D Mining Company
C & D Mine
Avery County, North Carolina

Dear Mr. Laurence:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated September 29 and October 4, 1955, by N. E. Nelson, USGS, and W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

If your office recommends an exploration program approved by the applicant, please furnish the necessary information to draft a contract. In this connection we will require nine copies of a map showing the proposed work and pegmatite exposures in relation to the property lines.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

WCAnderson:gad 10/11/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

Approved:

/s/ Robert W. Geehan
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures 4

OCT 12 1955

C & D Mining Company
C/O Mrs. Ivor Vance
Plumtree, North Carolina

Re: Docket No. DMEA-3994 - Mica
C & D Mining Company
C & D Mine
Avery County, North Carolina

Gentlemen:

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 V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

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

Sincerely yours,

Frank E. Johnson

ACTING Administrator

WCAnderson:gad 10/11/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

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

RECEIVED
OCT 4 1955

October 4, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3994 (mica)

Applicant: C & D Mining Co. (Mrs. Ivor Vance)

Name and Location of Property: C & D Mine, Avery Co., N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 9/29/55

Comments:

1. This deposit appears to have possibilities for the development of strategic mica.

2. Proposed exploration is not explicit and the estimate of expenditures should be made on a unit-cost basis.

3. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

Recommendation: It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

Signed
W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
SEP 30 1955

September 29, 1955

Re: DMEA 3994
Mrs. Ivor Vance, et al.
C & B Mine
Avery County, N. C.
$4,200 - Mica

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application.

The applicants request aid in doing bulldozing, $200, and drifting, $4,000, or a total cost of $4,200.

I have no information on the pegmatite.

If, as the application says, an abundance of rich green mica has been uncovered, the prospect merits an examination at the convenience of the Field Team and perhaps a staged work program.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-9/29/55

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