UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

## OFFICIAL DOCKET FILE

Terminated (or cancelled) without certification. DMEA No. 2129

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

**Left Side**

Certificate of Audit (Final).

✓ Interim ~~Audit~~(s) R R

✓ Report of Review.

Termination Notice or Agreement.

✓ → Notice of certification by agreement Closing Letter Recision Notice.

Assignment of Contract.

✓ Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

✓ Owner's Consent to Lien.

✓ Subordination Agreement.

✓ Leases and assignments of leases.

✓ Application and attachments.

✓ Schedule of Collections.

✓ Operator's monthly reports and all attachments (latest on top).

**Right Side**

✓ Project summary.

✓ Work completed analysis.

All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report. (Tab)

Operator's Final Report.

✓ Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number _____

Operator's Monthly Reports in folder number _____

R. J. M.
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

AMENDED REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Richard N. Berry
17 Gordon Lane
Cape Cottage, Maine

pertaining to Exploration Project Contract No. Idm-2286, Docket No. DMEA-2129, as amended, for the months of May, 1952 to December, 1952, inclusive, and including revised "final" reports dated April 30, 1954, covering a project for the exploration of mica on property, known as the Atwood Mine, located in Grafton County, New Hampshire.

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, consultation with the Executive Officer of the Regional DMEA Field Team, 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 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;
(b) the Monthly Reports were supported by documentary proof of the costs incurred under the contract provisions for payment by the Government on the basis of actual costs incurred;
(c) a portion ($2,004.75) of the costs incurred covered work performed at unit rates under independent contract; and
(d) a portion ($1,050.00) of the costs incurred were under a contract provision for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

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

| | | |
|---|---|---|
| Total cost as billed by Contractor | | $15,286.62 |
| Less: Proceeds from property | $ 505.15 | |
| Inventory of supplies | 26.34 | 531.49 |
| | | 14,755.13 |
| Exceptions (schedule attached): | | |
| By DMEA Finance Officer | $ 1.51 | |
| Herewith | 703.62 | 705.13 |
| Total Accepted Cost | | $14,050.00 |

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twelve thousand six hundred forty-five and no/100 Dollars,

**$12,645.00**

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.

May 10, 1954

E. D. Talbert, Auditor

## SCHEDULE OF EXCEPTIONS

Richard N. Berry — Bbm-E256, DMA-2129

| | | |
|---|---|---|
| **Prior Exception by Certifying Officer:** | | |
| Error in computation, August 30 payroll | | $ 1.51 |
| **Auditor's Exceptions:** | | |
| Deposit with application for electric service, June 13, 1952 | | 5.00 |
| Power after Nov. 4, 1952, i. e. 9/69ths of $135.20 bill for period September 5 to November 13, 1952 | | 15.03 |
| Labor after November 4, 1952, i. e. time on Nov. 5 of J. A. Spand (8 hrs. @ $1.40), V. D. Harrison (8 hrs. @ $1.25) and H. W. Erickson (8 hrs. @ $1.25) | | 31.20 |
| Supervision after November 4, 1952, i. e. time on November 5 of Richard N. Berry (1 day @ $75.00/week) | | 12.50 |
| Equipment Rental for November 1-4 charged as $38.33 should be $34.67 (4/30ths of $260.00 per month) | | 3.66 |
| N. H. Explosives & Machinery Company invoice of Oct. 23, 1952, 2% cash discount on Bits ($31.50) and Bolts ($4.32) | | .71 |
| N. H. Explosives & Machinery Company invoice of Oct. 15, 1952 Dynamite and Caps charged as $53.18, should be $56.55 | | -3.37 |
| 2% cash discount on Drill Rods, etc. ($35.54) | | .71 |
| W. L. Blake & Company invoices Sept. 30 ~~and Oct. 29~~ 2% cash discount on Adapter ($.22 - p.p. $.22) | | .01 |
| N. H. Explosives & Machinery Company invoice of Dec. 15, 1952 Rpr. part shipped December 1, 1952 | | .10 |
| N. H. Explosives & Machinery Company invoice of Sept. 30, 1952, 2% cash discount on Couplings ($1.80) | | .04 |
| N. H. Explosives & Machinery Company invoice of Oct. 1, 1952 2% cash discount on Rifle Bar Nut ($6.89-Labor $.29) | | .13 |
| Compressor Liability Insurance; not an allowable cost under the contract | | 18.90 |
| Liability Insurance charged as $139.49, but, based on acceptable labor costs, recomputed as $138.03 | | 1.46 |
| Payroll Taxes charged as $126.82, but, based on acceptable labor costs, recomputed as $124.76 | | 2.06 |
| **Total on Actual Cost portion (Stages I, II and III)** | | $ 83.25 |

**Excess Costs over allowable maximum (Stages I, II and III):**

| | | | |
|---|---|---|---|
| Claimed | | $13,757.12 | |
| Less: Property Proceeds | $505.15 | | |
| Inventory, Nov. 5, 1952 | 26.34 | | |
| Above disallowances | 83.25 | 614.74 | |
| | | $13,142.38 | |
| Allowable maximum | | 13,000.00 | $142.38 |

Page 2— Schedule of Exceptions

| | | | |
|---|---|---|---|
| Agreed Unit Costs claimed (Stage IV): | | | |
| 43.7' @ $35.00 | | $ 1,529.50 | |
| Allowable per Field Report, March 19, 1953 of Bu Mines Engineer, H. L. Burmeister: | | | |
| 30' @ $35.00 | | 1,050.00 | $479.50 |
| Total Net Disallowances | | | $705.13 |
| Prior Certifying Officer Disallowances | $ 1.51 | | |
| Disallowance herewith | 706.99 | | |
| Additional allowance herewith | -3.37 | | $705.13 |

## Review Summary

Richard N. Berry — Ida-8256, DMA-2129

| Item of Cost | Claimed by Operator | Corrected Distribution | Exceptions | Accepted Costs |
|---|---|---|---|---|
| (1) Short Form Contract (Drifting) | $ 1,529.50 | $ 1,529.50 | $479.50 | $ 1,050.00 |
| Independent Contract (Drilling) | 2,004.75 | 2,004.75 | | 2,004.75 |
| (2) Labor and Supervision: | | | | |
| Labor | 3,003.09 | 3,003.09 | 32.71 | 2,970.38 |
| Supervision | 1,775.00 | 1,775.00 | 12.50 | 1,762.50 |
| Technical Services | 1.66 | | | |
| (3) Operating Materials & Supplies: | | | | |
| Timber | 104.71 | 99.81 | | 99.81 |
| Explosives | 999.82 | 954.82 | -3.37 | 958.19 |
| Pipe | 473.48 | 494.70 | .01 | 494.69 |
| Track | 61.00 | 61.00 | | 61.00 |
| Power | 191.80 | 191.80 | 20.03 | 171.77 |
| Drill Steel & Bits | | 299.04 | 1.34 | 297.70 |
| Fuel and Lubricants | | 29.26 | | 29.26 |
| Small Tools, Hardware, and Miscellaneous | 1,112.96 | 515.31 | .08 | 515.23 |
| (4) Operating Equipment: | | | | |
| Rental | 1,072.53 | 1,072.53 | 3.66 | 1,068.87 |
| Purchase | 1,885.16 | 1,946.00 | | 1,946.00 |
| (6) New Bldgs., Improvements, etc. | 999.89 | 1,061.14 | | 1,061.14 |
| (7) Miscellaneous: | | | | |
| Repairs to Equipment | 31.11 | 138.59 | .27 | 138.32 |
| Sampling & Analysis | 71.35 | 136.85 | | 136.85 |
| Payroll Taxes | 128.82 | 128.82 | 4.06 | 124.76 |
| Liability Insurance | 149.99 | 149.99 | 11.96 | 138.03 |
| Bookkeeping & Typing | 90.00 | 90.00 | | 90.00 |
| Blue Prints, etc. | | 4.62 | | 4.62 |
| Proceeds from Equipment Disposal | -505.15 | -505.15 | | -505.15 |
| Inventory, Nov. 5, 1952 (Explosives) | - 26.34 | - 26.34 | | - 26.34 |
| Excess over allowable maximum of $13,000.00 for Stages I, II & III | | | 142.38 | -142.38 |
| Totals | $14,755.13 | $14,755.13 | $705.13 | $14,050.00 |

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

pertaining to Exploration Project Contract No. Idm-E256, Docket No. DMEA-2129, as amended, for the months of May, 1952 to December, 1952, inclusive, covering a project for the exploration of mica.

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, consultation with the Government representative who visited and examined the project and the Regional Executive Officer, 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 administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible additional disallowances thereunder;
(b) the Monthly Reports were supported by documentary proof of the costs incurred under the contract; and
(c) the contract provides for payment by the Government for part of the work on the basis of agreed estimated costs of units of work actually performed.

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

| | | |
|---|---|---|
| Total cost as billed by Contractor | | $14,653.73 |
| Less: Proceeds from property disposition | | 505.15 |
| Net costs claimed | | 14,148.58 |
| Exceptions: | | |
| By DMEA Finance Officer | $ 1.51 | |
| Herewith (schedule attached) | 649.27 | 650.78 |
| Total Accepted Cost | | $13,497.80 |

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twelve thousand one hundred forty-eight and 02/100 Dollars,

**$12,148.02**

is considered valid and proper.

E. D. Talbert, Auditor

September 16, 1953

## SCHEDULE OF EXCEPTIONS

Richard N. Berry — Idm-E256, DMA-2129

1. The contract, as amended, provides that effective November 5, 1952, the Government's contribution shall be on an "agreed unit costs" basis. The Operator, however, billed on a "cost incurred" basis. Exceptions for the difference are made as follows:

Actual Costs——

| | | |
|---|---|---|
| Labor: Payroll for period November 5 to 30 | $687.00 | |
| Payroll for period December 1 to 6 | 181.60 | |
| Supervision: 21/24ths of $300 charged in November | 262.50 | |
| 1 week charged in December | 75.00 | |
| Explosives purchased after November 4 | 129.81 | |
| Other Supplies purchased after November 4 | 13.60 | |
| Power: 9/69th of billing for Sept. 5 to November 13 | 15.03 | |
| Billing for period after Nov. 13 | 104.40 | |
| Equipment Rental, 26/30ths of Nov. charge | 225.33 | $1,694.27 |

Agreed Unit Costs——

| | |
|---|---|
| 30' @ $35.00 ft. during the period of November 5 to 30 (per DMEA Field Report, dated March 19, 1953, from H. L. Burmeister, Mining Engineer) | 1,050.00 |
| Difference disallowed | 644.27 |

2. Other Exceptions:

| | |
|---|---|
| Deposit with application for electric service, June 13, 1952 | 5.00 |
| Total exceptions as result of this review | $ 649.27 |

3. Prior exceptions by Certifying Officer:

| | |
|---|---|
| Error in computation of August 30 payroll | 1.51 |
| Total Exceptions | $ 650.78 |

E K Talbot
Auditor

September 16, 1953

Docket Copy
Surname:
Houk
Anderson
Chambers
Johnson

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

AUG 25 1954

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Re: Docket No. DMEA-2129 - Mica
Atwood Mine
Grafton County, New Hampshire
Contract No. Idm-E256 Amended

Dear Mr. Berry:

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

| | |
|---|---|
| Total claimed for units of work performed | $14,050.00 |
| Total Government contribution at 90 percent | $12,645.00 |

FROM SOLICITOR
AUG 23 1954
FOR SIGNATURE

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

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

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

Sincerely yours,

C. O. Mittenderf (for)

Administrator

WCAnderson:gad 8/20/54
Copy to: Admr. R. File
Docket
Field Team, Region VIII
Mr. Dietrich, 3061
Mr. Newcomb, 5227
Mr. Chambers

Copy to: Town of Rumney, New Hampshire
Attention of Selectmen.

Mr. Houk

Amendment No. 1. DMEA Contract Idm E-256
Docket No. 2129, ATWOOD MINE, West Rumney,
New Hampshire. Operator Richard N. Berry

Mica

Pursuant to the authority granted by the U.S.Department of the Interior, Office of the Secretary, in Order No. 2684, Amendment No. 1 is made to contract Idm - E-256, as below:

The date for completion of the contract is hereby extended for a period of 90 days, from September 18, 1952 to December 18, 1952.

Inclement weather and the time required for the power company to make electric power available to the project, delayed the date of starting the work. The difficulty in obtaining competent labor and essential equipment has also retarded the project, but as the work is now progressing in a satisfactory manner with excellent cooperation from the operator, an extension of time is justified.

McHenry Mosier

McHenry Mosier, Executive
Officer, Bureau-Survey Field
Team, Defense Minerals
Exploration Administration

College Park,
Maryland
Sept. 16, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 18 1952

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

DOCKET NO. DMEA 2129

COMMODITY Mica

Government's Copy

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

IDM-E 256

AMENDED

# EXPLORATION PROJECT CONTRACT[1]

IT IS AGREED this 12th day of December, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Richard N. Berry, 57 Glenwood Street, Malden 48, Massachusetts, hereinafter called the "Operator", as provided in Annex I, annexed hereto and as follows:

~~hereinafter called the "Operator" as follows~~

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of New Hampshire, County of Grafton, described as ~~follows~~[3] set forth in Annex II

the Operator represents and undertakes:[4]

(*a*) ~~That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement is attached:~~

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

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

ARTICLE 3. *Exploration project.*—The Operator, ~~within~~ has ~~days from the date of this contract~~ commenced work on a project of exploration for[5] Mica in or upon the described land; and shall bring the project to completion ~~within~~ prior to February 1, 1953 from the ~~date of this contract~~. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

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

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

(*c*) *Government may inspect.*—The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 7. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operators shall provide the Government with monthly reports of work performed and costs (including contract unit prices) incurred under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of costs incurred on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

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

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

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

ARTICLE 8. *Payments by the Government.*—(*a*) The Government will pay 90 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $13,050.00, which is 90 percent of $14,500.00, the agreed, estimated total cost of the project in which the Government will participate; *Provided,* that until the Operator's final report and final accounting have been rendered to the Government, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract.

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

ARTICLE 9. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

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

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

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

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

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

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

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

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

ARTICLE 12. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall dispose of any remaining materials, supplies, facilities, buildings, fixtures, and equipment in which the Government has an interest, for the joint account of the Operator and the Government in the proportion of their respective interests; shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; and shall pay to the Government its pro rata share of any money remaining.

ARTICLE 13. *Changes and added provisions.* ----------

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O. Muttendorf
Administrator, Defense Minerals Exploration Administration

Richard N. Berry
(Operator)

By Richard N. Berry

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.

_____

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 7 1953

[CORPORATE SEAL]

EXPLORATION PROJECT CONTRACT
RICHARD N. BERRY
DOCKET NO. DMEA-2129

ANNEX I

WHEREAS, the parties to this Amended Exploration Project Contract are also parties to Exploration Project Contract Idm-E256, as amended, dated February 18, 1952, executed on form MF-200 (June 1951), hereinafter called the "Prior Contract"; and

WHEREAS, all the exploration work provided for under Stages I, II and III of the Prior Contract have been completed, but because the formations thus exposed were considered favorable for additional drifting the parties desire to add a Stage IV as set forth in Exhibit "A" Amended; and

WHEREAS, the parties desire to restate their agreement on the new contract form MF-200 (Revised Feb. 1952), and to provide that the Government contribute to the cost of the work to be done in Stage IV of Exhibit "A" Amended on an agreed unit cost basis instead of on an actual cost basis;

NOW THEREFORE, it is mutually agreed that effective as of November 5, 1952: (1) The Prior Contract is amended and superseded by this Amended Exploration Project Contract which shall control the Government's claim and lien for percentage royalty, and in which the rights and obligations of both parties are fully merged, except that vouchers and claims for the Government's contribution to the work performed under Stages I, II and III of the Prior Contract, and payment thereof shall be as therein provided. (2) The Operator hereby releases and agrees to save harmless the Government from all claims and demands arising out of the Prior Contract, except as otherwise herein provided. (3) Stage IV, and the Government's contribution to the cost thereof, shall be as stated in Exhibit "A" Amended, attached hereto and made a part hereof and the total cost of Stages I to IV inclusive shall be $14,500.00 as indicated in Article 8 of this Amended Exploration Project Contract.

EXPLORATION PROJECT CONTRACT
RICHARD N. BERRY
DOCKET NO. DMEA-2129

ANNEX II

The property referred to in Article 2 of the contract form is described as follows:

The mineral rights on approximately one acre of land surrounded by land of the Atwood Farm and the mineral rights on the Atwood Farm, so called, in West Rumney on the westerly side of the highway leading from Rumney Depot to Wentworth formerly owned by the Standard Mineral Corporation, more completely described in the deed to said Corporation recorded in the land records of Grafton County and in the Tax Collector's deed to the Town of Rumney dated February 21, 1941, recorded in Grafton County Records, Volume 700, p. 20.

EXPLORATION PROJECT CONTRACT
RICHARD N. BERRY
DOCKET NO. DMEA-2129

EXHIBIT "A" AMENDED

Description of the Work

Stage IV

The work in Stages I, II and III of the Prior Contract having been completed, the work in this Stage shall consist of continuing the present drift 43 feet, making the drift extend 55 feet from the bottom of the shaft.

Estimated Costs of the Project
(*Indicates allowable maximum)

AGREED UNIT COSTS

| | | |
|---|---|---|
| 43 feet of drift @ $35.00/ft.* | $1,505.00 | |
| Rounded to | | $1,500.00* |

The Government will contribute to the costs of the above-mentioned drifting in Stage IV which shall include all costs thereof, on the basis of the above agreed estimated unit costs, as they accrue, for units of work actually performed in lieu of actual costs.

SUMMARY

| | |
|---|---|
| Total Cost of Stages I, II and III | $13,000.00* |
| Total Estimated Cost of Stage IV | 1,500.00* |
| Total Estimated Cost of Project | $14,500.00* |
| Government Participation @ 90% | $13,050.00* |

MF-203

# OWNER'S CONSENT TO LIEN

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

Mineral rights on the Atwood Farm acquired by the Town of Rumney by Tax Collector's Deed dated Feb. 21, 1941, recorded in Grafton County Records, Volume 700, Page 20.

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

2/ Richard N. Berry

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

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

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 13,050.00, or ten years have elapsed from the date of the contract.

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

Dated this 20 day of Dec 195 3

Everett A Perry
Selectman
Lyman Hampton
of
Ira Haven Bell
Rumney N.H.

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

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

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

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

RELEVANT CONTRACT PROVISIONS

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

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

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

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

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

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

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

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

MF-200
(June 1951)

Docket No. DMA 2129
Commodity Mica
IdmE-256

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

GOVERNMENT'S COPY

# EXPLORATION PROJECT CONTRACT [1]

It is agreed this 18th day of February, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2]
Richard N. Berry
57 Glenwood Street
Malden 48, Massachusetts

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of New Hampshire, County of Grafton described as follows: [3] The mineral rights on approximately one acre of land surrounded by land of the Atwood Farm and the mineral rights on the Atwood Farm, so called, in West Rumney on the westerly side of the highway leading from Rumney Depot to Wentworth formerly owned by the Standard Mineral Corporation, more completely described in the deed to said Corporation recorded in the land records of Grafton County and in the Tax Collector's deed to the Town of Rumney dated February 21, 1941, recorded in Grafton County Records, Volume 700, p. 20.
with respect to which the Operator represents and undertakes: [4]

(*a*) ~~That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:~~

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within ninety (90) days from the date of this contract shall commence work on a project of exploration for [5] mica; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] seven (7) months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 90 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $11,700.00, which is 90 percent of the agreed estimated total cost of this project, $13,000.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

Richard N. Berry
(Operator)

By _____

THE UNITED STATES OF AMERICA

By C. Mittendorf
Acting Administrator, Defense Minerals Exploration Administration

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

202

# LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Grafton, State of New Hampshire, described in a certain Exploration Project Contract dated February 18, 1952, between The Town of Rumney, N. H. and Richard N. Berry, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated July 11, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

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

Dated this tenth day of November, 1951.

Selectmen of Rumney, N. H.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 11 1952

EXPLORATION PROJECT CONTRACT
RICHARD N. BERRY
DOCKET NO. DMEA-2129

EXHIBIT "A"

Statement of the Work

This project is divided into three stages.

Stage I
Diamond Drilling

Drill by contract 3 diamond drill holes for a total of 400 feet. These holes are to determine the continuity, dip, rake and geology of the pegmatite dike. The cost of this stage of the project is estimated at $2,500.00 and will take about 3 weeks. The accompanying map shows location of holes, marked X, Y, and Z.

Stage II
Dewater Old Workings and Shaft Sinking

Stage II will be undertaken only upon express determination by the Government that the results of Stage I warrant it.

The dewatering of the old workings requires the removal of about 2 million gallons of water and will cost about $521.00; it will take 2 weeks time.

The location of the shaft will be dependent on the results of the diamond drill holes and the clean up of the pit after unwatering. This shaft will be inclined at an angle of 30 to 40 degrees. The approximate position is shown on accompanying map. This shaft will be 60 feet deep from the bottom of the pit and will not exceed 5' x 8' in size. It is estimated to take 6 weeks working one shift per day.

Stage III
Drifting and/or Crosscutting

The continuation of this work will be dependent on the results of the shaft sinking and will be undertaken only upon express determination by the Government that the results of Stage II warrant it. The direction of drifting and points of crosscutting will be determined after a geological study. It is estimated to take 4 weeks working one shift per day.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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MAR 11 1952

The total working time on contract will be about 4 months.

Maps showing the monthly progress of the exploration with results from sampled areas are to be included in the progress report. In case such maps are not submitted, the Government at its discretion may have the necessary work performed and charge the same to the contract.

## Estimated Costs of the Project

### Stage I

**Diamond Drilling**

| | | |
|---|---|---|
| Preparation for drilling | $ 100.00 | |
| 400' NX.D.D. Holes @ $5.00 per ft. | 2,000.00 | $ 2,100.00 |
| Core boxes | | 60.00 |
| Supervision and labor | 225.00 | |
| Compensation, insurance, Social Security, etc. | 25.00 | |
| Technical aid, bookkeeping, etc. | 90.00 | 340.00 |
| Diamond Drilling — Total | | $ 2,500.00 |

### Stages II and III

**Dewatering**

**Rentals:**

| | | |
|---|---|---|
| 1—1,000 G.P.M. gasoline driven pump, 10 days @ $10.00 per day | | $ 100.00 |

**Supplies:**

| | | |
|---|---|---|
| Operating supplies | $ 50.00 | |
| 230'—3" water pipe @ $.70 per ft. | 161.00 | 211.00 |
| Supervision and labor | 189.00 | |
| Compensation, insurance, Social Security, etc. | 21.00 | 210.00 |
| Dewatering — Total | | $ 521.00 |

## Equipment

### To be Rented:

| | | |
|---|---|---|
| 1—210 cu. ft. compressor @ $50.00 per week for 10 weeks | $ 500.00 | |
| 2—Jackhammers @ $10.00 per week for 10 weeks | 200.00 | |
| 1—Truck @ $.10 per mile for 1,000 miles | 100.00 | $ 800.00 |

### To be Purchased:

| | | |
|---|---|---|
| 1—G.D. pneumatic pump | 305.00 | |
| 1—2,000 pound rope pull, gasoline hoist, plus freight | 1,200.00 | |
| 300'--3/8" wire rope @ $.17 per ft. | 51.00 | |
| 2—Hoisting buckets @ $50.00 each | 100.00 | |
| 1—Mine car | 175.00 | |
| 2,000 pounds 12-pound rail with fish-plates and spikes @ $120.00 per ton | 120.00 | |
| Small tools, bucket truck, etc. | 250.00 | |
| 250'—1½" air pipe @ $.30 per ft. | 75.00 | |
| 150'—3/4" water line @ $.18 per ft. | 27.00 | 2,303.00 |
| Equipment — Total | | $ 3,103.00 |

## Fixtures and Improvements

### Materials

| | | |
|---|---|---|
| Head frame and other timber to bottom pit, 2,500 bd. ft. @ $100.00 per M. | $ 250.00 | |
| Bolts and nails | 40.00 | |
| Sheave wheel | 100.00 | |
| Hoist house - tool shed, lumber, etc. | 150.00 | $ 540.00 |

| | | |
|---|---|---|
| **Labor** | | |
| Erection head frame, labor | $ 400.00 | |
| Erection hoist house and tool shed, labor | 100.00 | |
| Compensation, insurance, Social Security, etc. | 55.00 | $ 555.00 |
| Fixtures and Improvements — Total | | $ 1,095.00 |

**Sinking 5' x 8' inclined shaft 60 feet**
**30 days. 6 weeks.**

| | | |
|---|---|---|
| **Supplies** | | |
| Timber, 1,500 bd. ft. @ $100.00 per M. | $ 150.00 | |
| Powder, 1,200 lbs. at $.26 per pound | 312.00 | |
| Electric blasting caps, 300 @ $.16. | 48.00 | |
| Operation supplies, gasoline, oil, etc. | 250.00 | |
| Drill steel and bits | 250.00 | $ 1,010.00 |
| **Supervision, Labor, etc.** | | |
| Labor, cleanup of pit | 100.00 | |
| 2—Shaft men, @ $1.50 per hr. for 30 days | 720.00 | |
| 1—Hoist man @ $1.40 per hr. for 30 days | 336.00 | |
| 1—Topman @ $1.00 per hr. for 30 days | 240.00 | |
| Supervision, 6 weeks @ $75.00 | 450.00 | |
| Compensation, Insurance, Social Security, etc. | 203.00 | 2,049.00 |
| Technical aid, bookkeeping, etc. | 290.00 | |
| General | 300.00 | 590.00 |
| Rent detonator (Blasting machine) | | 10.00 |
| Shaft Sinking — Total | | $ 3,659.00 |

Cost per ft. — $60.98

Drifting and/or crosscutting, 5' x 7'.
60 feet. 20 Days. 4 weeks.

| | | |
|---|---|---|
| **Supplies** | | |
| Powder, 800 pounds @ ~~$26.00~~ $0.26 per pound | $ 208.00 | |
| Fuse and caps | 12.00 | |
| Operating supplies, gasoline, oil, etc. | 165.00 | |
| Drill steel and bits | 180.00 | $ 565.00 |
| **Supervision and labor** | | |
| 2—Miners @ $1.40 per hr. for 20 days | 448.00 | |
| 1—Hoistman @ $1.40 per hr. for 20 days | 224.00 | |
| 1—Topman @ $1.00 per hr. for 20 days | 160.00 | |
| Supervision, 4 weeks @ $75.00 | 300.00 | |
| Compensation, insurance, Social Security, etc. | 125.00 | 1,257.00 |
| Technical and bookkeeping, etc. | 150.00 | |
| General | 150.00 | 300.00 |
| Drifting and/or crosscutting — Total | | $ 2,122.00 |

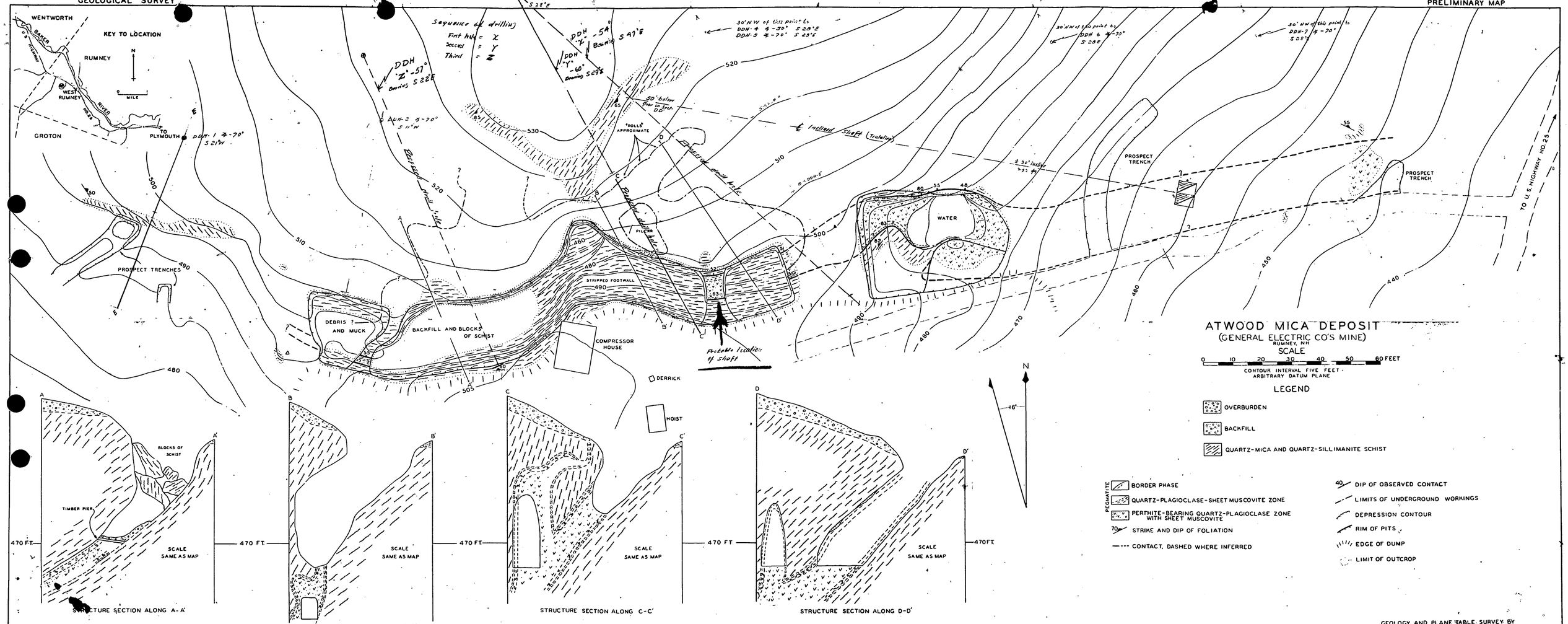
Cost per ft. — $35.37

## Summary of Estimated Costs of the Project

| | | |
|---|---|---|
| **Stage I** | | |
| Diamond Drilling | $ 2,500.00 | |
| **Stages II and III** | | |
| Dewatering Old Workings | 521.00 | |
| Equipment, Rental and Purchase | 3,103.00 | |
| Fixtures and Improvements | 1,095.00 | |
| Shaft Sinking | 3,659.00 | |
| Drifting | 2,122.00 | |
| Estimated Total | | $13,000.00 |
| Government participation @ 90 percent | | $11,700.00 |

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP




GEOLOGY AND PLANE TABLE SURVEY BY
G.W. STEWART AND N.K. FLINT, JUNE 11-17, 1944

DMEA-2129
REDUCE TO 8½ X 11

# L E A S E

THIS INDENTURE made this eleventh day of July, A.D. 1951, by and between the Town of Rumney, an incorporated municipality, in the county of Grafton and State of New Hampshire, PARTY OF THE FIRST PART, hereinafter called the Lessor, and Richard N. Berry of Malden, in the County of Middlesex and Commonwealth of Massachusetts, PARTY OF THE SECOND PART, hereinafter called the Lessee,

WITNESSETH:- That the said Lessor, for and in consideration of the royalties hereinafter reserved,and the covenants and agreements hereinafter expressed, and by the said Lessee to be kept and performed, has granted, demised and leased, and by these presents does grant, demise and lease unto said Lessee, his heirs and assigns, the sole and exclusive right and privilege for a period of one year from the date hereof to explore, quarry, mine, and dig for the Feldspar, Mica, Quartz, and any other ores or minerals, in or upon, or under the surface of the following described premises, the mineral rights of which are owned by said Lessor, which premises are more particularly bounded and described as follows:-

The "Mineral Rights" on approximately one acre of land, surrounded by land of the Atwood Farm, and the "Mineral Rights" on the Atwood Farm, so-called,situated in West Rumney on the westerly side of the highway leading from Rumney Depot to Wentworth, formerly owned by the Standard Mineral Corporation, to whose deed of acquisition reference is made for a more complete description of said "Mineral Rights". This one acre of land and the mineral rights on the Atwood Farm were acquired by the Town of Rumney by Tax Collector's Deed dated Beb. 21, 1941, recorded in Grafton County Records, Volume 700, Page 20.

Together with the appurtenances thereunto belonging.

TO HAVE AND TO HOLD unto the said Lessee for the term of one year from the date hereof, expiring on the 11th day of July, A.D. 1952, unless sooner forfeited or determined through the violation of any covenant hereinafter against the said Lessee reserved.

And in consideration of said Lease, the said Lessee does covenant and agree with the said Lessor, as follows, to-wit: To enter upon said mine or premises and to work the same in a manner necessary to good and economical mining, so as to take out the greatest amount of ore possible, with due regard to the development and preservation of the said premises as a workable mine,and to the special covenants hereinafter reserved.

To work and mine said premises as aforesaid steadily and continuously from the date of this Lease, unless prevented by circumstances beyond the control of the Lessee.

To well and sufficiently timber said mine at all points where proper, and to repair all old timbering wherever it may become necessary.

To allow said Lessor and his agents to enter upon and into all parts of said mine and premises for the purpose of inspection.

To not assign this Lease, of any interest thereunder, and not to sub-let the said premises of any part thereof, without the written consent of said Lessor.

The Lessee further agrees to pay to the Lessor a royalty of seven and one-half per cent (7½%) of the gross receipts from the operations, payment to be made on the 15th of each month for all minerals and ores which may be mined and removed from the premises during the month preceding. In the event this Lease is renewed at the expiration of the first year, then and in that event the royalty to be paid shall be ten percent (10%) of the gross receipts and payment is to be made on the 15th of each month.

The Lessee agrees that such payments shall not total less than fifty dollars ($50.00) for each six months period of this lease, or any renewal thereof, and that if such payments paid during such six months period do not total fity dollars ($50.00), to pay whatever deficiency there is, to the Lessor.

It is mutually agreed that the Lessee shall have the right to renew this lease from year to year for an additional period of four years, provided it is understood and agreed and is a condition of this lease that the Town of Rumney shall be in no way responsible for any damages, actions or causes of actions which might arise from the operations under the terms of this lease, and the Lessee agrees to save the said Lessor harmless from all such liabilities.

It is mutually agreed that the Lessee shall have the right to a renewal of this lease from year to year for an additional period of four years, provided that fifteen days prior to the expiration of this lease, the Lessee shall forward to the Lessor written notice of its desire for such renewal.

The said Lessee, his heirs, successors or assigns, may terminate this lease at any time by first giving thirty days notice inwriting of such intent to said Lessor.

The Lessee agrees to pay all taxes which may be hereafter levied solely upon the mining operations conducted upon said premises by said Lessee.

The Lessor hereby grants to the Lessee the right to construct ditches, drains, aerial tramways, railroads, truck roads, to and across said premises, and all other rights included in the "Mineral Rights" above mentioned, more expressly stated in the deed of the Standard Minerals Corporation

The Lessor hereby grants to the Lessee the right to remove all improvement, such as mining machinery, derricks, pumps, rails, etc. on the aforesaid premises, within sixty days after the termination of this lease.

And finally, upon the violation by the said Lessee, his heirs, successors or assigns, of any covenant or covenants hereinbefore reserved, the term of this Lease shall, at the option of said Lessor, expire and the same and said premises with the appurtenances shall become forfeit to said Lessor.

IN WITNESS WHEREOF, the Lessor, represented by its Selectmen, and the Lessee, have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in the presence of:

S/ Robert G. Wakefield

to all

S/ Everett A. Ray

TOWN OF RUMNEY, Lessor, by its Selectmen:

s/ W. Haven Little

s/ Everett A. Ray

s/

s/ Richard N. Berry
Richard N. Berry

STATE OF NEW HAMPSHIRE, Grafton, SS. Rumney, N. H.
July 11, 1951.

Before me, personally appeared the above named George F. Hugles, W. Haven Little, and Everett A. Ray, Selectmen of the town of Rumney, New Hampshire, and acknowledged the foregoing instrument to be their voluntary act and deed.

S/ Robert G. Wakefield
Justice of the Peace.

STATE OF NEW HAMPSHIRE, Grafton, SS.
July 14, 1951

Before me, personally appeared, Richard N. Berry and acknowledged the foregoing instrument to be his voluntary act and deed.

S/ Leslie L. Bunker
Justice of the Peace.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 2129

Date received 10-3-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 3 2 04 PM '51

Richard N. Berry
57 Glenwood Street
Malden 48, Mass.

Name and address of applicant

Date Sept 29, 1951

FILL IN THIS BLOCK

Date of application Sept 29, 1951

Estimated cost $10,250.00

Mineral or metal ~~mineral~~ beryl and mica

Percentage of Government participation 90%

Location of mine Rumney, N.H.

Date of filing MF-100 Sept 29, 1951

DMA Docket Number, if available

## INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

## THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

## THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

| | *Tons per day* | *Grade or analysis* | *Cost per ton* | *Net value per ton* |
|---|---|---|---|---|
| (1) Mining | | | | |
| (2) Milling | | | | |
| (3) Shipped or sold | | | | |

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

## THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

## THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

## CERTIFICATION

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

Richard N. Berry
(Name of company)

By Richard N Berry
(Signature of authorized official)

Sept 29, 1951
(Date)

applicant
(Title)

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

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

RICHARD N. BERRY
57 GLENWOOD STREET
MALDEN, MASSACHUSETTS

to accompany MF-103

6. Applicant leases property from Town of Rumney; no encumbrances.

7. Copy attached

8. Not applicable

9. $5,000.00

10a Real property consists only the the real estate as described in lease.
b See lease description

15 Ore can be hauled by truck from site to W. Rumney RR station about 8 mi. No provision locally for milling although in past mills have operated in the vicinity, notably at Rumney Depot and Bristol, NH.

19 None

20 Exploration is to determine extent of pegmatite deposits of mica and beryl.

21 Work consists essentially of core drilling and underground exploration of present workings to determine extent of mica and beryl bearing deposits.

22 See attached maps, two sheets, USGS, Strategic Minerals Investigations, Atwood Mica Deposit (General Electric Co's Mine) Stewart and Flint, 1944.

23 a. Labor 1 foreman @ $60 per wk 60.00
2 miners @ 50 per wk 100.00
total 160.00
10 weeks @ 160.00 $1600.00
b. Superintendent 10 weeks @ $75.00 750.00
c. None
d. Tool shed 250.00
e. None
f. Pump rental $1500.00 1500.00
g. Compressor rental, drills, hose, bits, etc $1250.00
Pick-up truck 250.00 1500.00
h. Gas and oil $100.00
steel, bits 300.00 400.00
i. Core drilling, subcontracted 1000' @ $4.25 4250.00
Total $ 10,250.00

24.

| End of | Status | Total spent to end of period |
|---|---|---|
| 1st week | Set up equipment, shed | $1000.00 |
| 2nd week | pumping and core-drilling | 3000.00 |
| 3rd week | mapping and core-drilling | 4000.00 |
| 4th week | mapping and core-drilling | 5000.00 |
| 5th week | mapping and core-drilling | 6000.00 |
| 6th week | core-drilling | 7000.00 |
| 7th week | core-drilling | 8000.00 |
| 8th week | core-drilling | 9000.00 |
| 9th week | core-drilling | 9500.00 |
| 10th week | core-drilling | 10250.00 |

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

# SCHEDULE OF COLLECTIONS

Schedule No. DMEA-1

Sheet No. 1

U. S. Department of the Interior, Bureau of Mines, College Park, Maryland
(Department or Establishment) (Bureau or Office)

Received by I. Carrico, Regional Disbursing Officer at Cleveland, Ohio
(Name) (Title) (Station)

Period September 1953 Sta. 14-23-080 D. O. Symbol No. 448
(Month or quarter ended)

| Date Received | Receipt Number | Name of Remitter | Detail Description of Purpose for Which Collections Were Received | Amount | Fund to be Credited (Symbol and title in full) |
|---|---|---|---|---|---|
| 9/25/53 | | Richard N. Berry, Cape Cottage, Maine Check No. 3913 | Refund from operator Contract Idm-6256, Docket DMEA-2129, resulting from disposition of Gov's. interest in project property & overpayment. | $376.09 | 14X4401 Revolving Fund, Defense Production Act, Interior |
| | | | Total, | $376.09 | |

Received ....., subject to collection. Forwarded September 29, 1953

(Disbursing clerk or accountable officer) By ..... (Name)

By ..... Title F. H. Kantner, Admin. Asst.

Certificate of Deposit No. ..... dated .....

U. S. GOVERNMENT PRINTING OFFICE 10—1790

DOCKET COPY

# WAIVER OF GOVERNMENT'S INTERESTS IN PROPERTY

To: Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Operator under Exploration Project
Contract Idm-E256, Docket No.
DMEA-2129X, dated February 18, 1952

The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, under the terms of the above described contract, hereby waives its interest in all property acquired under that contract which is listed below:

See Exhibit 1, attached hereto and made a part thereof.

Dated: April 7, 1953

THE UNITED STATES OF AMERICA

By W. T. Millar

W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

Exhibit 1

INVENTORY - ATWOOD MINE

EQUIPMENT

| | | |
|---|---|---|
| 1. | 1 skip, special 4 x 2 x 2 w/ bail | $109.42 |
| 2. | 1 24" sheave, grooved for ½" rope w/ bearings | 77.00 |
| 3. | 45' 24" gauge track w/ ties, and truck | 61.00 |

FACILITIES

| | | |
|---|---|---|
| 4. | Compressor shack | 390.51 |
| 5. | Headframe and track | 347.51 |
| 6. | Hoist shack | 24.15 |

PIPE AND FITTINGS

| | | |
|---|---|---|
| 7. | 200' 2" Carlon pipe )<br>2 2" Carlon pipe x 2" IS adapters)<br>2 2" CI caps ) | 111.04 |
| 8. | 1 3/4" male cplg. | 1.20 |
| 9. | 150' 1¼" Carlon pipe<br>1 1¼" Carlon adapter | 43.55 |
| 10. | 1 3/8" brass gate | 3.00 |
| 11. | 2 3/8 x 3 gal nips | .14 |
| 12. | 1 3/8 gal union | .42 |
| 13. | 1 1¼ x 8 gal nip | .31 |
| 14. | 1 2 x 1½ bushing | .31 |
| 15. | 1 ½ x 2 gal nip | .07 |
| 16. | 1 3/8 x 3 gal nip | .07 |
| 17. | 1 ½ x 3/8 gal cplg | .16 |
| 18. | 2 ½" brass hose nips | .90 |
| 19. | 1 ½ gal union ) | 1.37 |
| 20. | 1 ¼ " " ) | .42 |
| 21. | 2 5/8 hose clips | 12.00 |
| 22. | 100' 5/8" garden hose | .20 |
| 23. | 2 5/8" hose clamps | .30 |
| 24. | 1 3/4" cplg | 18.00 |
| 25. | 60' 1½" gal pipe | 60.00 |
| 26. | 120' 2" gal pipe | 12.00 |
| 27. | 60' 3/4" gal pipe | 3.70 |
| 28. | 1 3/4" globe valve | .32 |
| 29. | 3/4 x 6" gal nip | |

ELECTRICAL STOCK

| | | |
|---|---|---|
| 30. | 1 #27135 H&H switch 220-3-60 | 28.60 |
| 31. | #10 & #12 TW copper single strand wire, sockets | 41.42 |
| 32. | 4 sockets and holder, Stonce Mfg. Co. | 9.94 |
| 33. | Bell stock and wire | 11.69 |

TOOLS

| | | |
|---|---|---|
| 34. | 1 5' 2 handle saw | 4.85 |

INVENTORY - ATWOOD MINE (Continued)

| | | |
|---|---|---|
| 35. | 1 drift pick | $ 3.17 |
| 36. | 1 pick mattock | 1.56 |
| 37. | 2 pick handles @ .56 | 1.12 |
| 38. | 2 LH shovels @ 2.48 | 4.96 |
| 39. | 1 5' crow bar | 4.60 |
| 40. | 1 18" Stillson | 2.83 |
| 41. | 1 24" " | 4.89 |
| 42. | 1 36" " | 10.30 |
| 43. | 1 10" Westcott | 2.00 |
| 44. | 1 24" square | 3.52 |
| 45. | 1 hoe | 1.88 |
| 46. | 1 hammer, carpenter | 1.40 |
| 47. | 1 100' metallic tape | 13.60 |
| 48. | 1 24" wood level | 2.94 |
| 49. | 1 D handle RP short shovel | 2.48 |

MISCELLANEOUS

| | | |
|---|---|---|
| 50. | 4 Blasting helmets @ 3.00 | 12.00 |
| 51. | 10' 3/4" air hose, cpld | 7.61 |
| 52. | 25' ditto | 13.84 |
| 53. | 50' ditto | 24.84 |
| 54. | 50' 5/8" rope | 3.54 |
| 55. | 3½ lbs. 5/8" rope | 2.17 |
| 56. | 2 pr neoprene pants | 14.18 |
| 57. | 200' 2 x 2 x 1/8" steel angle | 41.71 |

Form MF-101 (Rev.)
(April 1952)

FINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1952 Docket No. DMEA 2129-X Contract No. Idm E256
Operator's Name Richard N. Berry Minerals mica
Address 17 Garden Lane, Cape Cottage, Maine
Contract Amount, $14,500.00 Government Participation: 90 % Amount, $13,050.00

| 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 | none | 2004.75 | 2004.75 | | | |
| Bulldozing | | | | | | |
| Crosscutting | | | | | | |
| Drifting | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | 181.60 | 3658.29 | 3839.89 | | | |
| Supervision | 75.00 | 2025.00 | 2100.00 | | | |
| Technical Services | none | 1.29 | 1.29 | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | none | 42.07 | 42.07 | | | |
| Explosives | none | 607.00 | 607.00 | | | |
| Pipe | none | 462.05 | 462.05 | no per audit | | |
| Track | none | 61.00 | 61.00 | the profits | over the Government | |
| Other | none | 939.70 | 939.70 | $443.27 | | |
| Power | 104.40 | 135.20 | 239.60 | | | R.A.S. |
| (4) Operating Equipment: | | | | | | |
| Rental | none | 1294.20 | 1294.20 | | | |
| Purchase | credit (120.00) | 2005.16 | 1885.16 | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | none | 972.75 | 972.75 | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | none | 60.20 | 60.20 | | | |
| Liability Insurance | none | 69.07 | 69.07 | | | |
| Bookkeeping&typing | none | 75.00 | 75.00 | | | |
| (8) Contingencies (specify): | | | | | | |
| | | | | | no per | audit |
| TOTALS | 241.00 | 14,412.73 | 14,500.00 | | | 13,497.80 |

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

Date August 25, 53 Payee Richard N. Berry
Richard N. Berry
Per Title Operator

*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:

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

## OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Dec 1953 Docket No. DMEA 2129-X Contract No. Idm E256

Operator's Name Richard N. Berry Minerals mica

Address 17 Garden Lane, Cape Cottage, Maine

| OPERATION | UNIT | COSTS THIS MONTH | UNITS THIS MONTH | COSTS TO DATE | UNITS TO DATE | UNIT COSTS TO DATE | AUTHORIZED BY CONTRACT | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Units | Unit Costs |
| Drifting | ft | 361.00 | | 2153.76 | 35 | | | |
| Crosscutting | ft | none | | 721.31 | 12 | | | |
| Raising | | | | | | | | |
| Shafts & headframe | ft | none | | 5256.23 | 60 | | 60 | |
| Winzes | | | | | | | | |
| Drilling: Core | ft | none | | 2004.75 | 405 | 4.95 | 400 | 5.00 |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| | | | | | | | | |
| TOTAL DISTRIBUTED COSTS | | | | | | | | TOTAL COSTS AUTHORIZED BY CONTRACT |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| | | | | | | | | |
| TOTAL COSTS | | | | | | | | |

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.

REMARKS:

Date August 25, 1953 Operator Richard N Berry

Per ~~Title~~

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)

(For Government use only)

## 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.

U. S. GOVERNMENT PRINTING OFFICE 205676

(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-156 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engr. Date 12/16/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title ..... Date 12/16/53

# 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 [illegible], 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; [illegible] and assays also are to be submitted.

The Monthly Report of Operator should be prepared in [illegible] and four copies all of which must be sent to the [illegible] Officer of the Region not later than the 15th of [illegible] 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 [illegible] sign the certification in the lower left corner of the form.

[illegible] of costs are arranged in the order they appear in Article 6 [illegible] of Form MF 200 (Revised February 1952), [illegible] this form is readily adaptable for use in reporting [illegible] under other contract forms.

[illegible] delete words "Short Form" if the contract [illegible] under Form MF 200, and delete word [illegible] if the contract reported is on Form MF-200 [illegible] work paid for on a unit basis under con[illegible] Form MF 200 [illegible] were performed under an [illegible].

[illegible] labor, supervision and technical [illegible] the exploratory operations. Do not [illegible] technical services used for [illegible] (6).

[illegible] of material and supplies [illegible] that used under items (5)

[illegible] operating equipment [illegible] depreciation. [illegible] 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 [illegible]

GPO 83-38476

Summary sheet, Wages paid during December, 1952

Week ending Dec 5, 1952

| | Sat | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spead, J.A. | 8 | 0 | 8 | 8 | 8 | 8 | 0 | 32 | 1.40 | 61.60 | .92 | 1.90 | 2.82 | 58.78 |
| Harriman, V.D. | 8 | 0 | 8 | 8 | 8 | 8 | 0 | 32 | 1.25 | 55.00 | .83 | 6.00 | 6.83 | 48.17 |
| Erickson, H.W. | 8 | 8 | 8 | 8 | 8 | 8 | 0 | 40 | 1.25 | 65.00 | .98 | - | .98 | 64.02 |
| | | | | | | | | | | 181.60 | | | | |

Payroll for period $ 181.60

Certified true copy

Operator

Item 2, Labor
page 1

Item 2, Supervision

This represents time of the operator devoted exclusively to supervision of operations.

1 week @ 75.00 $ 75.00

entered as item 2, Supervision
Form MF 104

Item 4, Purchase, Equipment

Credit of $120.00 reppresenting net price of winch against amount reported on July, 1952 voucher. The $1200 was a gross list price and $1080.00 was actually paid. Instructions were received to make this adjustment at the time of the Final Report.

CREDIT $ 120.00

entered as item 4,
Purchases, Equipment

# FINAL

# PROGRESS REPORT ON

# ATWOOD MINE

DMA 2129-X

Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

December 22, 1952

# FINAL PROGRESS REPORT ON ATWOOD MINE

Docket Number DMEA 2129-X

Contract Number Idm E256

Minerals Mica

Name of Mine Atwood Mine

Location West Rumney, Grafton County, New Hampshire

Summary of Work Done

The exploratory work was divided in three phases: Phase I consisted of approximately 400 feet of diamond drilling as indicated on the project map attached to the contract documents and also as indicated on the blueprint attached to the May Progress Report. The results of the drilling and analysis of the cores warranted entering Phase II

Phase II consisted of sinking an incline 5' x 7' on the footwall a linear distance of 60 feet below the existing workings.

Phase III consisted of approximately 60 feet of cross-cutting and drifting as determined in the field upon consultation with members of the Bureau-Survey Field Team. In general the drifting was done to the east along the hanging wall.

Results

While some concentrationsof mica were encountered, none were in sufficient quantity to support commercial development. The highest concentration was ½%. Locally, a mine run mica output of 1½% is considered a minimum for operating.

Previous Output

"The production record of the Atwood Mine from October 1943 to July 1944 shows that 3,181 pounds of strategic mica were sold to the Colonial Mica Corporation. 75% of this production was 1" x 1" fully trimmed. The quality was 27% No. 1 mica, 50 % No. 2 mica, and 23% inferior mica. It is estimated that 30 tons of run of mine mica were produced during this period."

Description of mine

The workings are located on the side of a prominent hill

on the westerly side of Route 25 in West Rumney. Originally opened by the General Electric Company prior to World War I, they were re-opened during World War II, closing when the price of mica dropped in the spring of 1944. The old workings of the General Electric part of the mine are filled in with muck and generally unsafe due to rotting of stulls. The work done during World War II was the large open stoppe at the bottom of which the incline was sunk under the present contract. A power line was run to the mine to facilitate work done under the contract; it is estimated that the operator will have to pay to the New Hampshire Electric Company $825.00 over the next 55 months under the agreement under which the power line wasinstalled. Water for wet drilling was obtained by pumping from the old workings up in to a barrel and then flowing by gravity to the drills. Working conditions are generally favorable although a tendency towards frigidity is noticed when picking muck on top of the hill about this time of the year.

Results of work

A detailed geological report is being submitted by Glenn Stewart in connection with the work accomplished. While some mica concentrations were encountered where the mica was both of good quality and plentiful, none of these concentrations were extensive to the degree necessary to support continued operations. During the term of the contract approximately 4000 lbs. of mine run mica was recovered of which 1030 lbs. were shipped to the GSA Mica Purchasing Depot in Franklin N.H..It is understood that the amount of the trim product obtained from this shipment was unsatisfactory.

Plan of work

Attached is a print showing work accomplished under this Contract.

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

FINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 - 1954

# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 1952 Docket No. DMEA 2129 Contract No. IDM-E256
Operator's Name Richard N. Berry Minerals mica
Address 17 Garden Lane, Cape Cottage, Maine
Contract Amount, $ 13,000.00 Government Participation: 90 % Amount, $ 11,700.00

| 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 | | | 2,004.75 | | | |
| Bulldozing | | | | | | |
| Crosscutting | | | | | | |
| Drifting | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | 3,003.09 | | | |
| Supervision | | | 1,775.00 | | | |
| Technical Services | | | 1.66 | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | 104.71 | | | |
| Explosives | | | 599.82 | | | |
| Pipe | | | 473.48 | | | |
| Track | | | 61.00 | | | |
| Other | | | 1,112.96 | | | |
| Power | | | 191.80 | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | 1,072.53 | | | |
| Purchase | | | 1,885.16 | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | 999.89 | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | 31.11 | | | |
| Sampling and Analysis | | | 71.35 | | | |
| Payroll Taxes | | | 128.82 | | | |
| Liability Insurance | | | 149.99 | | | |
| Bookkeepin&typing | | | 90.00 | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | | | 13,757.12 | | | |

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Apr 30, 1954 *Payee Richard N. Berry
Per _____ Title Operator

*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:

$ 57.01

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 6/30/54 Vou. No. DMEA-62
(See other side)

(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. E256 in accordance with the terms of the contract.

Signature R. L. Burmeister Title Mining Engr. Date 6/14/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Millar Title Executive Officer Date 6/15/54

# 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.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

## OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 5 - 1954

Month of November 195[illegible] Docket No. DMEA[illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]

| 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 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] | |
| Crosscutting | [illegible] | | | [illegible] | [illegible] | | [illegible] | |
| Raising | | | | | | | | |
| Shafts | [illegible] | | | [illegible] | [illegible] | | [illegible] | |
| Winzes | | | | | | | | |
| Drilling: Core | [illegible] | | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | | | | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | | | | | | | [illegible] |

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 [illegible] Operator [illegible]

Per _____ Title _____

Remarks:

→ 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)

(For Government use only)

## 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 83-38475

Form MF-1[illegible] (Rev.)
(April 1952)

FINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
MAY 5 - 1954

# OPERATOR'S MONTHLY REPORT AND VOUCHER

AMENDED

Month of ..... 195.. Docket No. DMEA 2129 Contract No. IDM-E256
Operator's Name Richard N. Berry Minerals mica
Address 17 Gardon Lane, Cape Cottage, Maine
Contract Amount, $ 1,500.00 Government Participation: 90 % Amount, $ 1,350.00

| 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 | | | | | | |
| 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): ~~45.1 @ 35.00~~ | | | ~~1,529.50~~ | | | |
| 30.0 @ 35.00 | | | 1,050.00 | | | |
| TOTALS | | | ~~1,529.50~~ 1,050.00 | | | |

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Apr 30, 1954 *Payee Richard N Berry
Per ..... Title Operator

*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:

$.....

Signature .....
(Authorized Certifying Officer)

Date ..... Vou. No. .....
(See other side)

(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. E256 in accordance with the terms of the contract.

Signature H. L. Burmeister Title Mining Engr. Date 6/14/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Miller Title Executive Officer Date 6/14/54

# 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.

GPO 83-38476

Form MF-104A
(April 1952)

FINAL

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 - 1954

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

# OPERATOR'S UNIT COST AND PROGRESS REPORT

AMENDED

Month of ..... 195..... Docket No. DMEA 2129 Contract No. IDM-E256
Operator's Name Richard H. Berry Minerals mica
Address 17 Garden Lane, Cape Cottage, Maine

| 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 | ft | | ~~43.7~~ | ~~1,529.50~~ | ~~43.7~~ | | 43 | 35.00 |
| Crosscutting | | | 30.0 | 1,050.00 | 30.0 | | | |
| Raising | | | | | | | | |
| Shafts | | | | | | | | |
| Winzes | | | | | | | | |
| Drilling: Core | | | | | | | | |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| TOTAL DISTRIBUTED COSTS | | | 30.0 ~~43.7~~ | 1,050.00 ~~1,529.50~~ | | | | TOTAL COSTS AUTHORIZED BY CONTRACT |
| Operating Equipment Purchased | | | | | | | | 1,500.00 |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| | | | | 1,050.00 | | | | |
| TOTAL COSTS | | | | ~~1,529.50~~ | | | | 1,500.00 |

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 April 30, 1954 Operator Richard H. Berry

Per ..... Title .....

REMARKS: work done under amended exploration project contract dated Dec 12, 1952.

→ 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)

(For Government use only)

## 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 83-38475

Social Security ~~xxxxxxxxxxxxxxxx~~ Costs.

Third Quarter, 1952 FICA
1635.01 .015 24.53

LESS: amt on Oct voucher
11.19
do Aug voucher
2.18 13.37 11.16

Fourth Quarter, 1952 FICA and State Unemployment

Wages 10-4 to 11-4
1368.17 FICA .015 20.52
1368.17 Unem. .027 36.94 57.46

~~xxxxxxxxxxxxxxxx~~ Total Payroll Taxes 68.62

Item 7, Miscellaneous, Payroll taxes

- - - - - - - - - - - - - - - - - - - - - - - - - - -

Liability Insurance

3d quarter wages 1635.01
4t do 1368.17 3,003.18

3,003.18 .0444 equals 133.34 basic
experience constant 4.15
loss constant 2.00
139.49
less amt paid 69.07

Bal due entered under liability ins 70.42

Compressor Liability Insurance

105 days/365 days x 36.73 per year equals 11.16 costs

total entered under liability insurance
is 80.92

Certified true extract copy

Gilbert R. Berg
Operator

Form MF-10W (Rev.)
(April 1952)

Mr. Robertson

Budget Bureau No. 42-R1036.3.
Approval Expires 6-30-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 31 1952

# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 1952 Docket No. DMEA 2129-X Contract No. Idm E256

Operator's Name Richard N. Berry Minerals mica

Address 17 Garden Lane Cape Cottage, Maine

Contract Amount, $ 14,500.00 Government Participation: 90 % Amount, $ 13,050.00

| 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 | none | 2004.75 | 2004.75 | | | |
| Bulldozing | | | | | | |
| Crosscutting | | | | | | |
| Drifting | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | 780.00 | 2878.29 | 3658.29 | | | |
| Supervision | 300.00 | 1725.00 | 2025.00 | | | |
| Technical Services | none | 1.29 | 1.29 | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | none | 42.07 | 42.07 | | | |
| Explosives | 264.61 | 342.39 | 607.00 | | | |
| Pipe | none | 462.05 | 462.05 | | | |
| Track | none | 61.00 | 61.00 | | | |
| Other | 28.80 | 910.90 | 939.70 | | | |
| Power | 115.20 | 20.00 | 135.20 | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | 260.00 | 1034.20 | 1294.20 | | | |
| Purchase | none | 2005.16 | 2005.16 | | | |
| Depreciation | none | 972.75 | 972.75 | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | 44.15 | 16.05 | 60.20 | | | |
| Liability Insurance | none | 69.07 | 69.07 | | | |
| Bookkeeping&typing | none | 75.00 | 75.00 | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 1792.76 | 12619.97 | 14412.73 | 1792.48 | 12,618.46 | 14,410.94 |

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

Date Dec 1, 1952 *Payee Richard N. Berry

Per _____ Title Operator

*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:

$ 1613.48

Signature _____
(Authorized Certifying Officer)

Date 12/30/52 Vou. No. DMEA-18
(See other side)

(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-256 in accordance with the terms of the contract.

Signature Fred H. Wright Title Mining Engr. Date 12/11/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Miller Title Acting Exec. Officer Date 12/11/52

# 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.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 31 1952

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA2120-X Contract No. 1Ma-1256
Operator's Name Richard N. Berry Minerals Mica
Address 17 Garden Lane, Cape Cottage, Maine

| 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 | ft | 1792.76 | 35 | 2153.38 | 45 | | | |
| Crosscutting | ft | None | | 781.31 | 12 | | | |
| Raising | | | | | | | | |
| Shafts 6 headframe | ft | none | | 5256.23 | 60 | | 60 | |
| Winzes | | | | | | | | |
| Drilling: Core | ft | | | 2034.79 | 405 | 4.95 | 400 | 5.00 |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | | | | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | | | | | | | |

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 Nov 30, 1952 Operator Richard N Berry

Per ..... Title .....

Remarks:

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)

(For Government use only)

## 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 83-38475

PROGRESS REPORT ON

ATWOOD MINE

DMA 2129-X

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

Dec. 1, 1952

PROGRESS REPORT ON

ATWOOD MINE

For period ending November 30, 1952

Synopsis

During this period the drifting was continued in the general direction of North 60° East until a gneiss offset crossed the drift at approximately 90°. The drifting was then continued about South 75° East and the drift was generally widened to explore the relationship of the gneiss and the pegmatite. A complex border zone was exposed throughout this general area which rendered interpretation of the mineralalogical possibilities difficult. In general a mica-rich zone still appears to follow the contact about two to three feet from the contact. Mr. Burmeister and Mr. Stewart visited the work during the month and were of considerable assistance in their suggestions.

Chronological Account

November 1 - 15. Drifted through relatively barren pegmatite continuing work started in previous month.

November 15-30. Entered a more concentrated section and mica yield increased considerably. Made shipment of 1030 pounds of cobbed mica to 99A Mica Purchasing Depot.

Form MF-10a (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

COPY FOR FRANK E. JOHNSON
Defense WASHINGTON OFFICE
RECEIVED
NOV 20 1952

# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1952 Docket No. DMEA 2129-X Contract No. 14d-5256
Operator's Name Richard N. Berry Minerals Mica
Address 17 Garden Lane, Cape Cottage, Maine
Contract Amount, $13,000.00 Government Participation: 90% Amount, $11,700.00

| 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 | none | 2004.75 | 2004.75 | | | |
| Bulldozing | | | | | | |
| Crosscutting | | | | | | |
| Drifting | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | 1245.28 | 1636.02 | 2873.30 | | | |
| Supervision | 300.00 | 1425.00 | 1725.00 | | | |
| Technical Services | none | 1.29 | 1.29 | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | none | 42.07 | 42.07 | | | |
| Explosives | none | 342.39 | 342.39 | | | |
| Pipe | none | 402.05 | 402.05 | | | |
| Track | none | 61.00 | 61.00 | | | |
| Other | none | 512.51 | 512.51 | | | |
| Power | none | 20.00 | 20.00 | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | 260.00 | 774.20 | 1034.20 | | | |
| Purchase | none | 2005.16 | 2005.16 | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | none | 979.75 | 979.75 | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | none | 16.05 | 16.05 | | | |
| Liability Insurance | none | 69.07 | 69.07 | | | |
| Bookkeeping & typing | none | 75.00 | 75.00 | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 1805.28 | 10816.69 | 12621.97 | | | |

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

Date Oct. 31, 1952 *Payee Richard N. Berry

Per _____ Title Operator

*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:

$ 1622.95

Signature W. F. Owen, Jr.
(Authorized Certifying Officer)

Date 11/19/52 Vou. No. DMEA-14

(See other side)

(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-256 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date 11/3/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. D. Miller Title Acting Executive Officer Date 11/3/52

# 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 20 1952

# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 2129-X Contract No. Idm-E256

Operator's Name Richard N. Berry Minerals mica

Address 17 Garden Lane, Cape Cottage, Maine

| OPERATION | UNIT | COSTS THIS MONTH | UNITS THIS MONTH | COSTS TO DATE | UNITS TO DATE | UNIT COSTS TO DATE | AUTHORIZED BY CONTRACT | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Units | Unit Costs |
| Drifting | ft | 360.62 | 10.0 | 360.62 | | | ) | |
| Crosscutting | ft | 721.31 | 12.0 | 721.31 | | | )60.0 | |
| Raising | | | | | | | | |
| Shafts & headframe | ft | 721.31 | 16.0 | 5256.23 | 60.0 | | 60.0 | |
| Winzes | | | | | | | | |
| Drilling: Core | ft | | | 2004.75 | 405 | 4.95 | 400 | 5.00 |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| TOTAL DISTRIBUTED COSTS | | | | | | | | TOTAL COSTS AUTHORIZED BY CONTRACT |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc | | | | | | | | |
| TOTAL COSTS | | | | | | | | |

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 Oct 31, 1952 Operator Richard N. Berry

Per _____ Title _____

REMARKS: Crosscutting and/or drifting should be completed in early part of November

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)

(For Government use only)

## 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.

U. S. GOVERNMENT PRINTING OFFICE 205676

PROGRESS REPORT ON

ATWOOD MINE

DMA 2129-X

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

Oct. 31, 1952

PROGRESS REPORT ON

ARCOS [illegible]

For period ending October 31, 1952

Synopsis

During this period the incline was completed to 60 feet, the cross cut to the hanging wall was accomplished, and approximately 10 feet of drifting was done as outlined by Mr. Glenn Stewart. The main problem during September has been to obtain the optimum blasting and drilling procedure. Mr. Millar visited the work several times during the month and was most helpful. Recovery of mica has been small, in part due to possible loss through blasting damage, but largely due to the fact that no concentrations of mica of magnitude have as yet been encountered.

Chronological Account

October 1-10. Completed incline. New night crew under Wood working out well although efficiency is not equal to that of day crew.

October 11-23. Cross cut to hanging wall. Went through some gray horses of schist or gneiss with indications of mica concentrations. Washed all cross cut work down and Stewart inspected them October 23 and decision was made to drift N 70° W along hanging wall.

October 24-31. Drifted approximately 10 feet. Having considerable difficulty pulling more than two feet per blast. Mica recovery is spotty but seems to be getting leaner as we drift. We are continually changing our drilling and loading schemes in an endeavor to get better results. Night crew stopped. With sump for water and more room to work we are able to drill more constantly.

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 16 1952

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 222- Contract No. 1[illegible]-[illegible]
Operator's Name Richard N. Berry Minerals Mica
Address 17 Garden Lane, Cape Cottage, Maine
Contract Amount, $12,000.00 Government Participation: 50 % Amount, $11,700.00

| 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 | none | 2021.75 | 2021.75 | | | |
| Bulldozing | | | | | | |
| Crosscutting | | | | | | |
| Drifting | | | | | | |
| | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | 7[illegible].65 | 1[illegible].36 | 1[illegible].01 | | 889.81 | 1633.50 |
| Supervision | 300.00 | 1143.00 | 1443.00 | | | |
| Technical Services | 1.85 | none | 1.85 | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | 45.37 | none | 45.37 | | | |
| Explosives | 1[illegible].65 | 150.74 | 3[illegible].39 | | | |
| Pipe | 1[illegible].41 | 8[illegible].28 | 1[illegible].69 | | | |
| Track | none | 61.00 | 61.00 | | | |
| Other | 309.76 | 637.14 | 9[illegible].90 | | | |
| Other | 15.00 | 1.00 | 16.00 | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | 200.00 | 570.00 | 770.00 | | | |
| Purchase | none | 6009.16 | 6009.16 | | | |
| Depreciation | | | | | 691.22 | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | 5.48 | 165.33 | 170.81 | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | 13.03 | 2.98 | 16.01 | | | |
| Liability Insurance | none | 66.07 | 66.07 | | | |
| Bookkeeping & Clerical | 15.00 | 60.00 | 75.00 | | | |
| | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| TOTALS | 2156.18 | 8659.51 | 10815.69 | | 8659.00 | 10,815.18 |

1.54782a
3% Income tax

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

Date Sept. 30, 1952 *Payee Richard N. Berry
Richard N. Berry

Per _____ Title Operator

*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:

$ 1,940.56

Signature _____
(Authorized Certifying Officer)

Date 10-13-52 Vou. No. DMEA-10

**(See other side)**

(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. Idm E256 in accordance with the terms of the contract.

Signature W. L. Burmeister Title Min. Engr. Date 10/8/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature McKenny Mosier Title Executive Officer Date 10-9-52

# 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 16 1952

## OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 2 1952 Docket No. DMEA 2129-X Contract No. Idm-D256

Operator's Name Richard N. Berry Minerals mica

Address 17 Garden Lane, Cape Cottage, Maine

| 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 headframe | ft | 2156.10 | 26 | 4554.88 | 44 | | | |
| Shafts | | | | | | | | |
| Winzes | ft | | | 2004.75 | 405 | 4.95 | 400 | 5.00 |
| Drilling: Core | | | | | | | | |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | | | | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | | | | | | | |

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 September 30-52 Operator Richard N. Berry

xx Per _____ Title Operator

Remarks: Shortage of labor and difficulty with water have deterred progress to some extent. The 60' of incline should be completed by October 7, 1952

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)

(For Government use only)

## 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.

U. S. GOVERNMENT PRINTING OFFICE 205676

PROGRESS REPORT ON

ATWOOD LINE

DMA 2129-X

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

Sept. 30, 1952

PROGRESS REPORT ON

ATWOOD MINE

For period ending September 30, 1952

Synopsis

The change-over to wet drilling was made during this period. Labor shortages cropped up although a second shift was started. Difficulty with water in the bottom of the incline washing the drillings into drill holes cropped up as did re-adjustment of the skip track after blasts. A total of 26 feet was excavated during the month and the end of phase II should come in the early part of October

Chronological Account

Sept 2-5 Drilled, blasted and mucked. Worked on automatic skip dumping.

Sept 8-12 Drilled, blasted and mucked. Set up water for wet drilling using water from old workings. Extended 4 x 6 track up to dogs which improved skip operation. Find skip has to be loaded full to dump itself.

Sept 15-19. Drilled, blasted and mucked. Night crew started although I am dubious about this particular crew. Started drilling six foot holes but blast does more harm than the beneficial results of a depper hole. Night crew left the 18th.

Sept 22-30. Drilled blasted and mucked. New night crew started and is working well. Considerable trouble with water interfering in footwall holes in incline. Put steel angles on skip track to stop wear on wooden rails. Stewart at mine the 20th.

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

DEPARTMENT OF THE INTERIOR
Defense Materials Administration
RECEIVED
SEP 16 1952

Budget Bureau No. 42-R1038.3.
Approval expires 6-30-53.

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

## OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August 1952 Docket No. DMEA 2129-X Contract No. 14mc256 mica

Operator's Name Richard N. Berry Minerals

Address 17 Garden Lane, Cape Cottage, Maine

Contract Amount, $ 13,000 Government Participation: 50 % Amount, $ 11,700.00

| 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: | none | 2004.75 | 2004.75 | | | |
| Drilling | | | | | | |
| Bulldozing | | | | | | |
| Crosscutting | | | | | | |
| Drifting | 744.41 | | 889.81 | | | |
| (2) Labor and Supervision: | 745.82 | 145.40 | 891.52 | | | |
| Labor | 300.00 | 825.00 | 1125.00 | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | 152.11 | 37.65 | 189.76 | | | |
| Explosives | 3.65 | 253.51 | 257.16 | | | |
| Pipe and trucks | 91.99 | none | 91.99 | | | |
| Other | 111.00 | 496.48 | 607.18 | | | |
| Track Power | none | 5.00 | 5.00 | | | |
| | | | | | | |
| (4) Operating Equipment: | 240.00 | 194.20 | 434.20 | | | |
| Rental | 198.92 | 1806.24 | 2005.16 | | | 145.40 |
| Purchase | | | | | | |
| Depreciation | 977.02 | 350.31 | 1328.33 | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | 2.62 | none | 2.62 | | | |
| Sampling and Analysis | none | 69.07 | 69.07 | | | |
| Payroll Taxes | 15.00 | 45.00 | 60.00 | | | |
| Liability Insurance | | | | | | |
| | | | | | | |
| | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| | 2377.19 | | 8659.00 | | | |
| | 2377.19 | 6281.81 | 8659.00 | 2377.19 | 6281.81 | 8659.00 |
| TOTALS | | | | | | |

1.5% FCCA 3% Fee Thereof

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

Date Oct. 1, 1952 *Payee Richard N. Berry Operator

Per _____ Title _____

*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:

$ 2139.47

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
**(See other side)**

(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-256 in accordance with the terms of the contract.

Signature W. T. Miller Title Asst. Exec Officer Date 9/5/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. Henry Ulosier Title Exec. Officer Date 9-5-52

# 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 16 1952

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1952 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Richard W. Berry Minerals Mica
Address 17 Carlton Lane, Cape Cottage, Maine

| 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 | | 2377.19 | | | | | | |
| Shafts Headframe | ft | ~~2373.19~~ | 10 | | | | | |
| Winzes | | | | | | | | |
| Drilling: Core | ft | | | [illegible] | 405 | 1.05 | [illegible] | 5.00 |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | | | | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | | | | | | | |

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 Sept 1, 1952 Operator Richard W. Berry

Per Richard W. Berry Title Operator

Remarks: Completion of purchase and beneficiation of out of the month will permit more rapid progress from now on.

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)

(For Government use only)

## 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.

U. S. GOVERNMENT PRINTING OFFICE 205676

PROGRESS REPORT ON

ATWOOD INC

DSA 2129-X

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

August 31, 1952

PROGRESS REPORT ON

ALCOA INC.

For period ending August 31, 1952

Synopsis

Excavation of the incline was done during August using a temporary headframe pending design and erection of the permanent one which was accomplished the last week of the month. During one four day period sinking averaged two feet per day, the figure mentioned in the "Statement of Work". The end of the month found a good working crew of three employed, one person having left and two having been employed during the month.

Chronological Account

August 1. Worked on temporary headframe; pay day.

August 4. Burmeister was at mine and left Stewart's sections, notes, and photostatic copies of the contract documents.

August 5-8. Setting up and operating drag. We will have to change to wet operations drilling due to State regulations as dust is terrific. Drill seems a little light and we will try next heavier size. No wear still on carbide bits.

August 11. Timed drag cycle and we took out 6 loads in 1½ hours which is not bad considering rig.

August 12. Bought four sections of track with attached ties as this seems best for use on the incline and will make installation quicker. Burmeister said he was sending detail on skip set-up. Just call him soon. Got rained on pro-

perly today but it let up after a while. When skip is made, we can rig a roof over the winch and operator and work all the time.

August 13. Bought skip truck and ordered body. Continued drilling and blasting. Called Burmeister at College Park and he said he was sending skip details which he was working on at the moment.

August 14. Blasted 3 times-had 2 misfires on one round that held us up for a while. By luck we had one hole about a foot in back of each of the two loaded holes and we set the duds off by concussion. Drilled 47' today. One carbide bit has done 70' before needing sharpening which is about 18 ordinary steel bits. We are loading holes heavy to break up all the rock for removal; consequently most of the mica is shattered and lost in the muck. Electric winch works well hauling out the big beavers with a chain. Got some water in the hole after our last shot at 3:00 PM. Bob Reed of Chicago Pneumatic stopped by and we cut our compressor pressure to 76-90# which works better. Mansur showed up 15 minutes late--he needs a little brushing up. Changed the ladder by the blast.

August 15. Bought small length of pipe to bar down some overhead rock that is too high to reach. Worked enlarging the small side hole so we can use it to go in and out of the mine--will be a lot easier than laddering from the top. Burmeister's diagram of skip arrangement arrived.

August 16. Worked out bill of material for skip and drew details of headframe for carpenters. Drew skip details for welder.

August 18. Re-enforced head frame. Finished head frame sketches picked up small shovel as long handle ones are getting in the way in the incline. Water is out of hole now as we pumped out old workings and water must have flowed back in to them. As long as we can keep level in them down we should be OK in our incline. Sure hope so as water makes our progress a lot slower. Dansur working on new head frame set-up. Put Walter Hazelton on crew at $ 1.25. Selected timbers.

August 19. Got delivery of headframe timbers and talked with Howard Cross and Francis Dzenda on arrangement and they will start tomorrow. Drew up bill of material on steel stock for frame.

August 20. Picked up 55 lb. drill and the steel stock for the headframe. Checked with welder on skip he is making. Had nipple drilled out of pump casing. Crew is working well. Dansur quit--dusty as hell in the hole and we will have to go wet as soon as possible. Carpenters are framing timbers and so far are keeping out of the way of operations.

August 21. 3 x 10 and 4 x 6 timbers arrived. New 55# drill works better than 45# one. Chased around town trying to locate shipment of delay caps. Carpenters are splicing posts and back braces. Mica is getting harder and darker now. Worked on pump.

August 22. Moved pumps to other side of pillar where water is deeper. They will also be out of the way of blasting here too.

Used delay action caps for the first time and they work well. Been held up several days due to trucker fouling up. Actually worked four full days drilling this week and went down 8½'. Should do a lot better with our new headframe set up. Carpenters have it framed on the ground. Things have speeded up a lot because we can use an electric drill and electric saw and they help a lot on these heavy timbers. Hate to think of how ,ong it would take to do it by hand. This is the last day we can work in the hole until the frame and tracks are finished as operations are held up by blasting and out temporary headframe is in the way of the permanent one.

August 25. Headframe up and two guys on it. Skip delivered.

Aug 26. Raised one track from headframe to footwall. Used electric winch to hoist everything. Picked up cement for hoist base. Had to work overtime on headframe erection. Built log retaining wall to hold fill for headframe base. Drilled 50' and plan to set off blast tomorrow AM with reduced charge to see how we can load and shoot so we won't rip the tracks to pieces after we are set up.

August 27. Blew holes and raised other track. Francis Burnham and Howard Cross are the two carpneters on the headframe and they are doing OK. We now have it guyed from four directions. Hot as hell again today. State labor inspector showed up - no comment.

August 28. Poured winch base. Drilled for pins in footwall to hold track. Installed some 4 x 6 track. Got pump running as water showed up in hole after being dry for some time.

August 29. Braced skip frame between headwall and headframe/ Depth in incline is 60' from top of headwall or 59' from ground grade. Cleaned off loose rock on face of footwall and almost filled up our incline with muck. Skip set-up is all done except for dogs to make dumping automatic and the removable section of track we shall use in hole.

Present Status and Future Work

On September 2nd, the skip was tried out for the first time and works smoothly. The hoist was relocated to its new position about 40' to the north of the headframe. While there will be a few points to iron out in the skip operation it will permit acceleration of our rock removal.

Form MF-164 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

# OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 2129-X Contract No. Idm-E256

Operator's Name Richard N. Berry Minerals mica

Address 17 Garden Lane, Cape Cottage, Maine

Contract Amount, $ 13,000.00 Government Participation: 90 % Amount, $ 11,700.00

| 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 | none | 2004.75 | 2004.75 | | | |
| Bulldozing | | | | | | |
| Crosscutting | | | | | | |
| Drifting | | | | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | 145.40 | none | 145.40 | | | |
| Supervision | 300.00 | 525.00 | 825.00 | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | 37.65 | none | 37.65 | | | |
| Pipe | 152.47 | 111.04 | 263.51 | | | |
| Track | | | | | | |
| Other 359.62 | ~~459.62~~ | 135.86 | ~~595.48~~ | 495.48 | | |
| Power NB | none | 5.00 | 5.00 NB | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | 194.20 | none | 194.20 | | | |
| Purchase | 1627.24 | 179.00 | 1806.24 | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | 390.51 | none | 390.51 | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | 69.07 | none | 69.07 | | | |
| Bookkeeping&typ. | 15.00 | 30.00 | 45.00 | | | |
| (8) Contingencies (specify): | | | | | | |
| NB | 3,291.16 | | 6,281.81 NB | | | |
| TOTALS | ~~$3,391.16~~ | 2,990.65 | ~~6,381.81~~ | | | |

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

Date Aug 12, 1952 *Payee Richard N. Berry

By _____ Title Operator

*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:

$_____

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
(See other side)

(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. Idaho E 256 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date 8/20/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature McHenry Mosier Title Executive Officer Date 8-20-52

# 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month July 1952 Docket No. DMEA 2129-X Contract No. Idm-E256
Operator's Name Richard N. Berry Minerals mica
Address 17 Garden Lane, Cape Cottage, Maine

| OPERATION | UNIT | COSTS THIS MONTH | UNITS THIS MONTH | COSTS TO DATE | UNITS TO DATE | UNIT COSTS TO DATE | AUTHORIZED BY CONTRACT | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Units | Unit Costs |
| Drifting | | | | | | | | |
| Crosscutting | | | | | | | | |
| Raising | | | | | | | | |
| Shafts | $yd^3$ | see note | | | | | | |
| Winzes | | | | | | | | |
| Drilling: Core | ft | | | 2004.75 | 405 | 4.95 | 400 | 5.00 |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| TOTAL DISTRIBUTED COSTS | | | | | | | | TOTAL COSTS AUTHORIZED BY CONTRACT |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc | | | | | | | | |
| TOTAL COSTS | | | | | | | | |

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 Aug. 12, 1952 Operator Richard N. Berry
Per Title Operator

REMARKS Excavation and rock removal to July 31 consisted entirely of removal of muck in hole within the shaft collar area and barring, drilling, and blasting of hanging wall to obtain safe working conditions. Level indicated as of July 31 is actually the starting surface thus prepared.

→ 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)

(For Government use only)

## 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.

U. S. GOVERNMENT PRINTING OFFICE 205676

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

August 20, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Monthly Report of Operator - July 1952
Docket DMEA-2129X, Contract Idm-E256 - Mica

Attached are two copies of the Operator's Report for the month of July, from Richard N. Berry, Atwood Mine, West Rumney, New Hampshire.

The correct gross monthly total is $3,291.16. An error of $100.00 in the account as originally submitted, was detected in the addition of invoices comprising Item 3. After making this correction the account seems to be in order.

McHenry Mosier

McHenry Mosier

Attachment

PROGRESS REPORT ON

ATWOOD MINE

DMA 2129-X

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

July 31, 1952

PROGRESS REPORT ON

ATWOOD MINE

For period ending July 31, 1952

Synopsis

This month was characterised by setting up of machinery and preparation work including removal of muck, loose rock, completion of water removal, hiring of two workmen, and ordering of steel rail. Electric power was installed and proved of tremendous use in pumping and winch operation. The electric air compressor has proved its worth in quick-starting and we have ample air pressure and delivery at the drill.

Chronological Account

July 1. Poured compressor base; saw Wadleigh regarding electric service.

July 2. Finished compressor base; hot, and all materials had to be hand carried.

July 7. Met Burmeister and Stewart at mine and discussed incline location and other details.

July 8. Discussed some details of contract with Burmeister as a result of his talk with College Park. Compressor delivered and installed on base.

July 9. Made arrangements with Dufour for lumber and with Howard Milton to build tool shed.

July 11. Electric Service underway--big day. Air receiver delivered. Arthur Mansur started work at $1.15

July 15. Compressor base and mounting bolts lined up perfectly which

is something. James Spead who is foreman for Golding-Keene at Brown No. 10 saw me about a job.

July 16. Shed finished and they did a good job quickly.

July 17. Saw Dole regarding electrical work and Plymouth Plumbing and Heating on air piping. Went to Palermo Mine with Ashley to look at track and car but he leases everything from General Electric and can't dispose of it. He knows of no other material either. Worked getting pump ready.

July 18. Hired Spead at $1.35 per hour

July 21. Barred loose rock and pumped.

July 22. Piped air to mine; pumped.

July 23. Finished air piping. Getting little results on skip and track set-up which will hold us up.

July 24. Set up second pump with drum as sump due to increased head. Removed grout. Winch is set up and wires strung. Winch helps a lot in getting loads up the hill.

July 25. Water is down as low as appears necessary now and the mine looks as though it will be a dry one, although we haven't had any rain for a long time. Worked more on rail and skip arrangement. High cost of freight from the West is prohibitive although western firms have the lowest prices. Small skips used are scarce as hens' teeth.

July 28. Drilled and blasted head wall to clear loose pieces. Using carbide bits and there is practically no wear to date on them. Estimate with our own grinder we can use the four bits for at least the life of the DMEA contract.

July 29. Continued removal of grout and pumped. Low pressure valve on compressor seems to be leaking slightly occasionally. We have good pressure at the hammer and the drill really works. Using a Chicago CP 32 with 2' and 4' steels with 1¾" and 1 7/8" Timken carbide bits. Plan to keep bits touched up with our own bench grinder and total bit cost should be a lot less than using regular steel bits and paying for having them resharpened plus the fact we will always be operating with sharp bits instead of trying to get the last foot out of a dull steel bit.

July 30. Set head frame for temporary operations so we can keep going pending arrival of track and skip. Difficult to locate a small skip and guess we will have to buy a truck and make a body. Track has been ordered from Midwest Steel Corporation in Charleston West Virginia. Jim and I have scoured countryside earlier this week but there is no track around. Apparently most of the mines hereabouts have been stripped of any salvageable material by parties unknown, as several mine owners said they once had cars and rail but all such stock had been stolen.

July 31. Arranged to have boiler section worked over to make temporary drag. Winch works well although headframe is too weak. Days have been hot all month and the fire hazard is high. Will need one more on crew as soon as drag gets working. Arranged to put Harriman on at $ 1.15 starting August 5th. We have found mica to be most noticeable near the hanging wall, quality appears good.

## Present Status and Future Work

At the present writing sufficient track is on location to run down the incline. A truck has been purchased and a body is being built for it. This will mean that our biggest and final obstacle hasbeen overcome, namely the removal of muck from the workings. Considerable difficulty has been encountered in finding this material and while in retrospect work has been going forward all the time, there has been quite a mental block until this skip situation resolved itself. As soon as the skip is finished it is planned to operate more than one shift so suitable overall progress may be made. The electrification of the mine has proved of great assistance.

PROGRESS REPORT ON

ATWOOD WINE

DWA 2129-X

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

July 31, 1952

PROGRESS REPORT ON

ATWOOD MINE

For period ending July 31, 1952

Review
~~Synopsis~~

This month was characterised by setting up of machinery and preparation work including removal of muck, loose rock, completion of water removal, hiring of two workmen, and ordering of steel rail. Electric power was installed and proved of tremendous use in pumping and winch operation. The electric air compressor has proved its worth in quick-starting and we have ample air pressure and delivery at the drill.

Daily Notes
~~Chronological Account~~

July 1. Poured compressor base; saw Wadleigh regarding electric service.

July 2. Finished compressor base; hot, and all materials had to be hand carried.

July 7. Met Burmeister and Stewart at mine and discussed incline location and other details.

July 8. Discussed some details of contract with Burmeister as a result of his talk with ~~College Park~~ Regional Office. Compressor delivered and installed on base.

July 9. Made arrangements with Dufour for lumber and with Howard Milton to build tool shed.

July 11. Electric Service underway--big day. Air receiver delivered. Arthur Mansur started work at $1.15

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is something. James Spead who is foreman for Golding-Keene at Brown No. 10 saw me about a job.

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July 22. Piped air to mine; pumped.

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Present Situation and Future Plans

~~Present Status and Future Work~~

At the present writing sufficient track is on location to run down the incline. A truck has been purchased and a body is being built for it. This will mean that our biggest and final obstacle hasbeen overcome, namely the removal of muck from the workings. Considerable difficulty has been encountered in finding this material and while in retrospect work has been going forward all the time, there has been quite a mental block until this skip situation resolved itself. As soon as the skip is finished it is planned to operate more than one shift so suitable overall progress may be made. The electrification of the mine has proved of great assistance.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 256

Name of Operator Richard N. Berry
Docket No. DMA 2129-X
Total Contract Amount $ 13,000.00
Government Participation: 90 % Amount, $ 11,700.00
Distribution of Expenditures for Month of June, 1952

# STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
# OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

*Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

*Maps.*—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.

*Cost Accounts.*—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 11 1952

## CERTIFICATION

**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.**

RICHARD N. BERRY
(Name of Company)

By Richard N Berry
(Signature of Authorized Official)

June 30, 1952
(Date)

Operator
(Title)

**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.**

16—64068-8

# MONTHLY SUMMARY COST STATEMENT

**List as Shown on Exhibits Attached to Contract**

| Item | Monthly Total | Totals Previously Reported | Totals to Date | For Government Use Only | | |
|---|---|---|---|---|---|---|
| | | | | Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
| 1. Fixtures and Improvements: | | | | | | |
| (a) Facilities | | | | | | |
| (b) Buildings | | | | | | |
| (c) Fixtures | | | | | | |
| 2. Operating Equipment: | | | | | | |
| (a) Purchased[1] | | | | | | |
| 2 pumps | 179.00 | none | 179.00 | | | |
| (b) Rented[2] | | | | | | |
| (c) Furnished by operator | | | | | | |
| 3. Rehabilitation and Repairs: | | | | | | |
| (a) Facilities | | | | | | |
| (b) Buildings | | | | | | |
| (c) Installations | | | | | | |

Item 2a

NEW HAMPSHIRE EXPLOSIVES & MACHINERY CO. INC.

Concord, N.H.

June 25, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

2 KENCO P-109A pumps @ 89.50 179.00

Certified true copy

Richard N. Berry
Richard N. Berry
Operator

Item 5 Supervision

This represents time of the operator devoted exclusively to supervision of operations.

Telephone MAlden 4-2394

# BAY STATE CONSTRUCTORS, INC.

● 2 Abbott Street, Malden 48, Mass.

June 11, 1952

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

YOUR ORDER No. _____

OUR INVOICE No. 6166

TERMS: NET CASH

| | | | | |
|---|---|---|---|---|
| 1-5" two handle saw | 4 | 85 | | |
| 1-single bitted axe, handled | 3 | 93 | 8 | 78 |

Item 6d

EDWARDS AND WALKER CO.
Monument Square
Portland, Me.

June 30, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

| | | | |
|---|---|---|---|
| 1 drift pick | 3.17 | 3.17 | |
| 1 pick mattock | 1.56 | 1.56 | |
| 2 pick handles @ | .56 | 1.12 | |
| 2 LH shovels @ | 2.48 | 4.96 | |
| 1 5' crow bar | 4.60 | 4.60 | |
| 3½ lbs rope @ | .62 | 2.17 | |
| 1 18" Stillson | 2.83 | 2.83 | |
| 1 24" " | 4.89 | 4.89 | |
| 1 36" " | 10.30 | 10.30 | |
| 1 10" westcott | 2.00 | 2.00 | |
| 1 square | 3.52 | 3.52 | |
| 1 hoe | 1.88 | 1.88 | |
| 1 hammer | 1.40 | 1.40 | |
| 5# 8d nails @ | .12 | .60 | |
| 100' metallic tape | 13.60 | 13.60 | |
| 2 carpenter pencils @ | .075 | .15 | |
| 1 screwdriver | .20 | .20 | |
| 1 24" wood level | 1.12 | 1.12 | |
| 6 3/4" MB @ | .49 | 2.94 | |
| 6 3/4" washers @ | .04 | .24 | |
| 6 3/4" lockwashers @ | .0416 | .25 | $ 63.50 |

Certified true copy

Richard N. Berry
Richard N. Berry
Operator

Item 6d

W. L. Blake Company
Portland, Me.

June 5, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

200' 2" Carlon pipe
2 2" " " x 2" IS adapters
2 2" CI caps

$ 111.04

Certified true Copy

Richard N. Berry

Richard N. Berry
Operator

Item 6d

Loring, Short & Harmon
Monument Square
Portland 1, Maine

June 1, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

1 box Southworth tissue 2.04

Certified true copy

Richard N. Berry

Richard N. Berry
Operator

Item 6d

Loring, Short & Harmon
Monument Square
Portland 1, Me.

June 17, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

1 Pocket transit $ 44.37

Certified true copy

Richard N. Berry

Richard N. Berry
Operator

Item 7

NEW HAMPSHIRE ELECTRIC COOPERATIVE INC.
Plymouth, New Hamp.

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

June 13, 1952

- - - - - - - - - - - - - - - - - - - - -

Application fee in connection with power service for Atwood Mine, W. Rumney, N.H. $ 5.00

Certified true copy

Richard N. Berry
Operator

fee for application for power to be run to mine.

item 11

Katherine B. Berry
Cape Cottage, Me.

June 30, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

- - - - - - - - - - - - - - - - - - - - - - - - - - - -

Bookkeeping and typing in connection with
Atwood Mine work for month of June, 1952

$ 15.00

Certified true copy

Richard N. Berry

Richard N. Berry
Operator

item 11

## MONTHLY SUMMARY COST STATEMENT—Continued

| Item | Monthly Total | Totals Previously Reported | Totals to Date | For Government Use Only: Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
|---|---|---|---|---|---|---|
| (d) Fixtures | | | | | | |
| 4. Labor [3] | | | | | | |
| 5. Supervision | 300.00 | 225.00 | 525.00 | | | |
| 6. Supplies | | | | | | |
| (a) Timber | | | | | | |
| (b) Explosives | | | | | | |
| (c) Repair Parts | | | | | | |
| (d) Other | 229.73 | 61.54 | 291.27 | | | |
| 7. Power | 5.00 | none | 5.00 | | | |
| 8. Transportation | | | | | | |
| 9. Insurance | | | | | | |
| (a) Fire | | | | | | |
| (b) Public Liability | | | | | | |
| (c) Workmen's Compensation | | | | | | |
| 10. Contract Work | none | 2004.75 | 2004.75 | | | |
| 11. Other (specify) | | | | | | |
| Bookkeeping & typing | 15.00 | 15.00 | 30.00 | | | |
| Total | 728.73 | 2306.29 | 3035.02 | | | |
| Deletions (deduction) | 44.37 | | | | | |
| Adjusted totals | 684.36 | 2306.29 | 2990.65 | | | |
| Totals previously reported | | | | | | |
| Totals to date | | | | | | |

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

**FOR GOVERNMENT USE ONLY**

Checked by N. A. Eilertsen
Entered by
Approved by McHenry Mozier 7-10-52
Amount approved for payment $ 615.92
Remarks Suspended item 6D, $ 44.37 for scientific instrument not included in contract

684.36
x .90
615.9240

16—64068-3

# EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF June, 1952

**(Supply Data Below Applicable Only to Your Operations)**

| Item | Costs | | | | | Progress [4] | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Wages [1] and salaries | Equipment [2] | Supplies | Other [3] | Total | Unit | Units this month | Units previously reported | Units to date | Units authorized by contract (Exhibit A) |
| Drifting | | | | | | | | | | |
| Crosscutting | | | | | | | | | | |
| Raising | | | | | | | | | | |
| Shafts | | | | | | | | | | |
| Winzes | | | | | | | | | | |
| Drill holes | | | | | | | | | | |
| Overburden | | | | | | | | | | |
| Rehabilitation and preparation | $315.00 | $179.00 | $185.36 | $5.00 | $684.36 | | | | | |
| Geology and geophysics | | | | | | | | | | |
| Trenching | | | | | | | | | | |
| Sampling and assaying | | | | | | | | | | |
| Roads and trails | | | | | | | | | | |
| Test pits | | | | | | | | | | |
| Other (specify) Dewatering | 300.00 | 111.04 | NONE | NONE | 411.04 | GALS | 1,000,000 | NONE | NONE | 2,000,000 |
| | | | | | | | | | | |
| Totals | 300.00 | 111.04 | NONE | NONE | 411.04 | GALS | 1,000,000 | NONE | NONE | 2,000,000 |

NOE

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

PROGRESS REPORT ON

ATWOOD MINE

DMA 2129X

Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

June 30, 1952

PROGRESS REPORT ON

ATWOOD MINE

DMA 2129-X

For period ending June 30, 1952

Synopsis

Work accomplished during June consisted of evaluation of core drilling completed the previous month, completion of arrangements for the installation of an electric power service, a trip to College Park to discuss details of the current operations, and removal of about 50% of the water in the workings..

Chronological Account

June 8 Went to mine and installed 200' of 2" pipe for syphon.. Appeared to work well although it was impossible to get suction end deep enough to last more than one day.

June 10 Met Gus Neumann in Bethel for discussion

June 12 Flew to Washington and drove to College Park and discussed details with Millar

June 13 Worked on lining up equipment.. Gardner-Denver man and Joy Mfg. Co. representative contacted..

June 16 Started syphon again.. Level down two feet. Saw New Hampshire Electric Coop. re power service.

June 17. Saw Burkett man re compressor, worked on equipment

June 18 Met Joy man at mine and then went to Claremont NH.. Saw selectman regarding mine.. Made arrangements to rent compressor..

June 19 Phoned Glenn Stewart and went to Durham to talk over possible shaft location as this is important from point of location of final electric pole.

June 20 Worked on correspondence and on equipment

June 23 Staked out pole locations with Wadleigh of electric company.

June 24 Went to Boston to line up equipment

June 25 Got prints back from Stewart who wrote he had forwarded log and sections to College Park. Worked on equipment and tools,

June 27 Level of water down ten feet, plastic pipe is very handy to use. Interesting to see lower workings exposed.

June 28 Ordered tools, worked on report.

(Routine work was done on days not specifically mentioned).

Present Status and Future Work

The electric company has promised the completion of the electric service by July 9th. Work is starting on the compressor house. Two pumps are on hand to start final dewatering operations as soon as electricity is available. One laborer has been engaged.

Photographs of former operations

Attached as Appendices I, II, and III are three photographs of the mine during its operations under General Electric. These were obtained through the courtesy of Mr. W. H. Ray who was employed by them.

View looking east at the mine with the shop buildings at the foot of the hill. Note the barren aspect of the hill, which contrasts with its present wooded covering.

Appendix I

View looking west from above the headwall. An idea of the size of the headframe may be gained from noting the man standing behind the left diagonal brace.

Appendix II

View looking south down the hill on the shops. These buildings were dismantled upon cessation of operations. Their foundations are in place today. The size of the buildings indicates a large trimming crew was employed.

Appendix III

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 256

Name of Operator Richard N. Berry
Docket No. DMA 2129-X
Total Contract Amount $13,000.00
Government Participation: 90 % Amount, $ 11,700.00
Distribution of Expenditures for Month of May, 1952

# STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
# OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

*Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

*Maps.*—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.

*Cost Accounts.*—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 1952

## CERTIFICATION

**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.**

RICHARD N. BERRY
(Name of Company)

xBy Richard N. Berry
(Signature of Authorized Official)

May 31, 1952
(Date)

Operator
(Title)

**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.**

16—64068-3

# MONTHLY SUMMARY COST STATEMENT

**List as Shown on Exhibits Attached to Contract**

| Item | Monthly Total | Totals Previously Reported | Totals to Date | For Government Use Only | | |
|---|---|---|---|---|---|---|
| | | | | Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
| 1. Fixtures and Improvements: | | | | | | |
| (*a*) Facilities | | | | | | |
| (*b*) Buildings | | | | | | |
| (*c*) Fixtures | | | | | | |
| 2. Operating Equipment: | | | | | | |
| (*a*) Purchased[1] | | | | | | |
| (*b*) Rented[2] | | | | | | |
| (*c*) Furnished by operator | | | | | | |
| 3. Rehabilitation and Repairs: | | | | | | |
| (*a*) Facilities | | | | | | |
| (*b*) Buildings | | | | | | |
| (*c*) Installations | | | | | | |

Item 5 Supervision

This reppesents time of the operator devoted exclusively to supervision of operations.

Item 6a

EDWARDS AND WALKER COMPANY
Wholesale Hardware

May 13, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage Maine

Monument Sq
Portland, Me

- - - - - - - - - - - - - - - - -

6 lbs 5/8 manila rope @ .59 3.54

Certified true copy
Richard N. Berry
Richard N. Berry
operator

this rope was purchased for use in connection with operations.

item 6a

Item 6d

Andrew B. Berry
Cape Cottage, Maine

May 14, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

- - - - - - - - - - - - - - - - - - - - - - - - - - -

constructing 16 core boxes per agreement $ 58.00

certified true copy
Richard N. Berry
Richard N. Berry
operator

item 6d

# JOY MANUFACTURING COMPANY

PITTSBURGH 22, PENNSYLVANIA

| CUSTOMER'S ORDER No. | DATE | REQ. No. | CONTRACT | CODE |
|---|---|---|---|---|
| | | | | |

SOLD TO
Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

SHIPPED TO AND DESTINATION
West Rumney, New Hampshire

VIA

OUR ORDER NO. INV 98780
AT RECEIVING POINT
DATE ENTERED
AT SHIPPING POINT
DATE ENTERED
DATE SHIPPED
INVOICE NO.
INVOICE DATE May 24, 1952
MARKS

REMIT TO 333 OLIVER BUILDING
PITTSBURGH, PENNSYLVANIA
SHIPPED FROM

| QUANTITY ORDERED | QUANTITY SHIPPED | PART NO. | DESCRIPTION | PRICE | EXTENSION |
|---|---|---|---|---|---|
| | | | To 405.' Core Drilling at West Rumney, New Hampshire for period ending May 24th as per agreement. | | |

| Prospect # | From | To | Total Feet | Unit Cost | Total Cost |
|---|---|---|---|---|---|
| 1 | 0. | 159. | 159. | | |
| 2 | 0. | 145. | 145. | | |
| 3 | 0. | 101. | 101. | | |
| | | | 405. | $4.95 | $2,004.75 |

F. O. B. SHIPPING POINT UNLESS OTHERWISE SPECIFIED
NO RETURNS ALLOWED UNLESS AUTHORIZED BY THIS OFFICE

~~DUE NET 30 DAYS~~
NO CASH DISCOUNT

"GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH THE REQUIREMENTS OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, INCLUDING SECTION 12(A).

FORM P6302 10-50 66238 ⓜ DITTOFORMS

item 11

Katherine B. Berry
Cape Cottage, Me

May 31, 1952

Richard N. Berry
17 Garden Lane
Cape Cottage, Me.

- - - - - - - - - - - - - - - - - - - - - - - - - - - -

Bookkeeping and typing in connection with Atwood
Mine work for month of May, 1952 $ 15.00

certified true copy

Richard N. Berry
Operator

item 11

## MONTHLY SUMMARY COST STATEMENT—Continued

| Item | Monthly Total | Totals Previously Reported | Totals to Date | For Government Use Only: Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
|---|---|---|---|---|---|---|
| (d) Fixtures | | | | | | |
| 4. Labor [3] | | | | | | |
| 5. Supervision | $ 225.00 | none | $ 225.00 | | | |
| 6. Supplies 50' 5/8" rope | | | | | | |
| (a) ~~XXXX~~ | 3.54 | none | 3.54 | | | |
| (b) Explosives | | | | | | |
| (c) Repair Parts | | | | | | |
| (d) Other core boxes | 58.00 | none | 58.00 | | | |
| 7. Power | | | | | | |
| 8. Transportation | | | | | | |
| 9. Insurance | | | | | | |
| (a) Fire | | | | | | |
| (b) Public Liability | | | | | | |
| (c) Workmen's Compensation | | | | | | |
| 10. Contract Work drilling | 2004.75 | none | 2004.75 | | | |
| 11. Other (specify) | | | | | | |
| Bookkeeping & Typing | 15.00 | none | 15.00 | | | |
| Total | $ 2306.29 | none | $ 2306.29 | | | |
| Deletions | | | | | | |
| Adjusted totals | | | | | | |
| Totals previously reported | | | | | | |
| Totals to date | | | | | | |

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

**FOR GOVERNMENT USE ONLY**

Checked by R. W. Arthur

Entered by

Approved by McHenry Mosier 6-3-52

Amount approved for payment 2075.66

Remarks

16—64068-3

# EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF MAY, 1952

**(Supply Data Below Applicable Only to Your Operations)**

| Item | Costs | | | | | Progress [4] | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Wages [1] and salaries | Equipment [2] | Supplies | Other [3] | Total | Unit | Units this month | Units previously reported | Units to date | Units authorized by contract (Exhibit A) |
| Drifting | | | | | | | | | | |
| Crosscutting | | | | | | | | | | |
| Raising | | | | | | | | | | |
| Shafts | | | | | | | | | | |
| Winzes | | | | | | | | | | |
| Drill holes | 405' @ $4.95 PER FT. = $2004.75 CONTRACT BASIS | | | | | FT | 405' | NONE | 405' | 400' |
| Overburden | | | | | | | | | | |
| Rehabilitation and preparation | | | | | | | | | | |
| Geology and geophysics | | | | | | | | | | |
| Trenching | | | | | | | | | | |
| Sampling and assaying | | | | | | | | | | |
| Roads and trails | | | | | | | | | | |
| Test pits | | | | | | | | | | |
| Other (specify) | | | | | | | | | | |
| | | | | $ | | | | | | |
| Totals | | | | | $2004.75 | FT | 405' | NONE | 405' | 400' |

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

PROGRESS REPORT ON

ATWOOD MINE

DMA 2129-X

Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

May 31, 1952

17 Garden Lane
Cape Cottage, Me.
May 31, 1952.

Mr. McHenry Mosier, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII
College Park, Maryland.

Dear Mr. Mosier:

Transmitted herewith is the Progress Report to accompany Form MF104 covering exploratory work accomplished to May 31, 1952 at the Atwood Mine, West Rumney, N. H. under Project DMA 2129-X.

Very truly yours,

Richard N. Berry

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Current Status . . . . . 9

Appendix I - - Diamond Drill Hole Locations

Appendix II - Graph, Rate of Drilling Progress

PROGRESS REPORT ON

ATWOOD MINE

DMA 2129-X

## INTRODUCTION

This report is to accompany the first monthly progress report on exploration work at the Atwood Mine in West Rumney, New Hampshire. It is intended to summarise all work done to May 31, 1952 and as such will cover work done in prior months. Subsequent reports will be concerned only with the work accomplished in the month covered by that report. Work is being done under DMA project 2129-X with 90% participation by the Government and 10% by the operator.

## LOCATION AND HISTORY

The Atwood Mine, also known as the old General Electric Company Mine, is located on the property of Mr. W. H. Ray which consists of 116 acres on both sides of Route 25 in the town of Rumney, New Hampshire. The mining rights were purchased originally around 1910 by a Mr. Burley for $500 after he had noticed surface indications of mica. He subse-

-quently re-sold to the General Electric Company for a reported price of $35,000. Work was actively pushed in developing the property and several sizeable buildings erected at the foot of the hill approximately 200 yards from the shaft opening. A description of the mine by Sterrett (Bull. 740 U.S.G.S.)gives an idea of the plant during the height of its activity. The availability and cost of India mica is reported to have led to the closing and dismantling of the mine. During World War II it was worked by a Mr. Ryan of Wentworth and a Mr. McCloud. Output was sold to the Colonial Mica Corporation. The existing mining rights are held by the Town of Rumney under tax deed dating back some 13 years.

PRELIMINARY WORK

In July, 1951 the mineral rights were leased from the town of Rumney by Richard N. Berry under terms of a lease accompanying the application for exploratory assistance filed with the Defense Minerals Administration September 29, 1951.

The property was inspected in company with Mr. W. T. Miller and Mr. Glenn Stewart on October 22, 1951; after working out details of

the proposed exploration work, Exploration Project Contract 2129 was signed as of February 18, 1952 calling for an estimated expenditure of $13,000, $11,700 by the Government and $1,300 by the operator.. This work was to be done in three phases, subsequent phases to depend upon favorable results of the preceeding phase:

Phase I Approximately 400' of diamond core drilling.

Phase II Dewatering and shaft sinking.

Phase III Drifting and/or cross cutting.

PHASE I WORK

Upon receipt of advice to proceed, drilling invitations were prepared with blueprints attached hereto as Appendix I and sent out to the following concerns with results indicated:

| | | |
|---|---|---|
| Battle Bros. Drilling Co. | Scranton, Pa. | no answer |
| E. J. Longyear Co. | Minneapolis, Minn. | too busy |
| B. F. Smith Co. | Boston, Mass. | "not in a position |
| Giles Drilling Co. | New York | too busy |
| Greenland & McCullough | Bergenfield, N. J. | cannot handle |
| Edward F. Hughes Co. | Medford, Mass. | cost plus basis |
| Kennedy-Riegger Drilling | New York | indefinite |
| Joy Mfg. Co. | Michigan City, Ind. | $5.00 per foot |
| Mott Core Drilling Co. | Huntington, W. Va. | too far-too busy |
| New England Foundation | Boston, Mass. | no answer |
| Pennsylvania Drilling | Pittsburgh, Pa. | too busy |
| Raymond Concrete Pile | Boston, Mass. | too busy |
| Riley Engineering | Brooklyn, N. Y. | unable to bid |
| Robertson Henry Co. | Huntington, W. Va. | too far |
| Sprague & Henwood Inc. | Scranton, Pa. | indefinite |
| Trask Artesian Well Co. | Norwich, Conn. | too busy |

The Joy Mfg. Company bid was accepted and confirmation thereof by DMA in their letter of April 24th was received. Written contracts were signed, a copy forwarded to College Park May 10th, and advance payment was made for $1980.00 by the operator to Joy.

CHRONOLOGICAL ACCOUNT OF CORE DRILLING

May 14-Wednesday

Met Millar and Stewart at mine. Joy crew arrived at 11:00 AM, and unloaded equipment. Balance of day spent locating quarters. Crew consists of Lloyd Lawrence, Chief and Clifton Parsons. Mr. W. H. Ray whose house is directly opposite the access road was employed as a helper throughout the drilling operations. Set stakes for drilling locations. Discussed various phases of work with illar and Stewart.

May 15-Thursday

Equipment moved to foot of slope by four wheel drive truck; tripod poles cut (25' spruce trees.) Crew is efficient and know their work; no bickering and they are careful with the equipment. Rig is heavy; just out of winter storage and has been completely overhauled.

May 16-Friday

Winched all equipment and rig up hill. Set pump to suck from lower pit and 1½" pipe run to location.

May 17-Saturday

Tripod set and all steel brought up. Started on hole X at 11:00 AM and drilled 50' by night.

May 18-Sunday

Started at 8:00 AM at 50.0'; stopped at 6:00 PM at 104.0' biotite schist, greenstone etc.

May 19-Monday

Started at 8:00 AM at 104.0' and stopped at 159.0' at 5:45 PM; pegmatite from 132.0' on. Stopped hole after a couple of feet of footwall.

May 20-Tuesday

Moved rig (rotating) and started hole Y at 10:00 AM. Stopped at 6:00 PM, at 70.0'. Excellent progress and little wear on bits. Millar visited work with photographer from Boston.

May 21-Wednesday

Started at 8:00 AM at 70.0' and completed hole Y at 4:30 PM at 145.0'. Smaller pegmatite showing. Excellent core recovery to date. Stewart arrived in PM. Discussion concerning relocation of hole Z.

May 22-Thursday

Started hole Z at 1:00 PM, stopped at 5:30 PM at 30.0'. Rate of drilling is slowest to date. Considerable interest in this hole as mica is expected to be of better quality on this side of workings.

May 23-Friday

Started drilling at 7:30 AM at 30.0'' and completed hole at 101.0'' at 5:00 PM. About ten feet of pegmatite but we were disappointed as to indications of mica in this hole. Rig is a Sullivan, gas engine driven, size 22 HD. Stewart left about 6:00 PM after he had logged considerable of the core and drawn several cross sections.

May 26-Monday

Delivered balance of core to Stewart in Durham and he completed logging. Millar called last night: said he had discussed the drilling with Glenn Stewart and it was decided to go ahead.

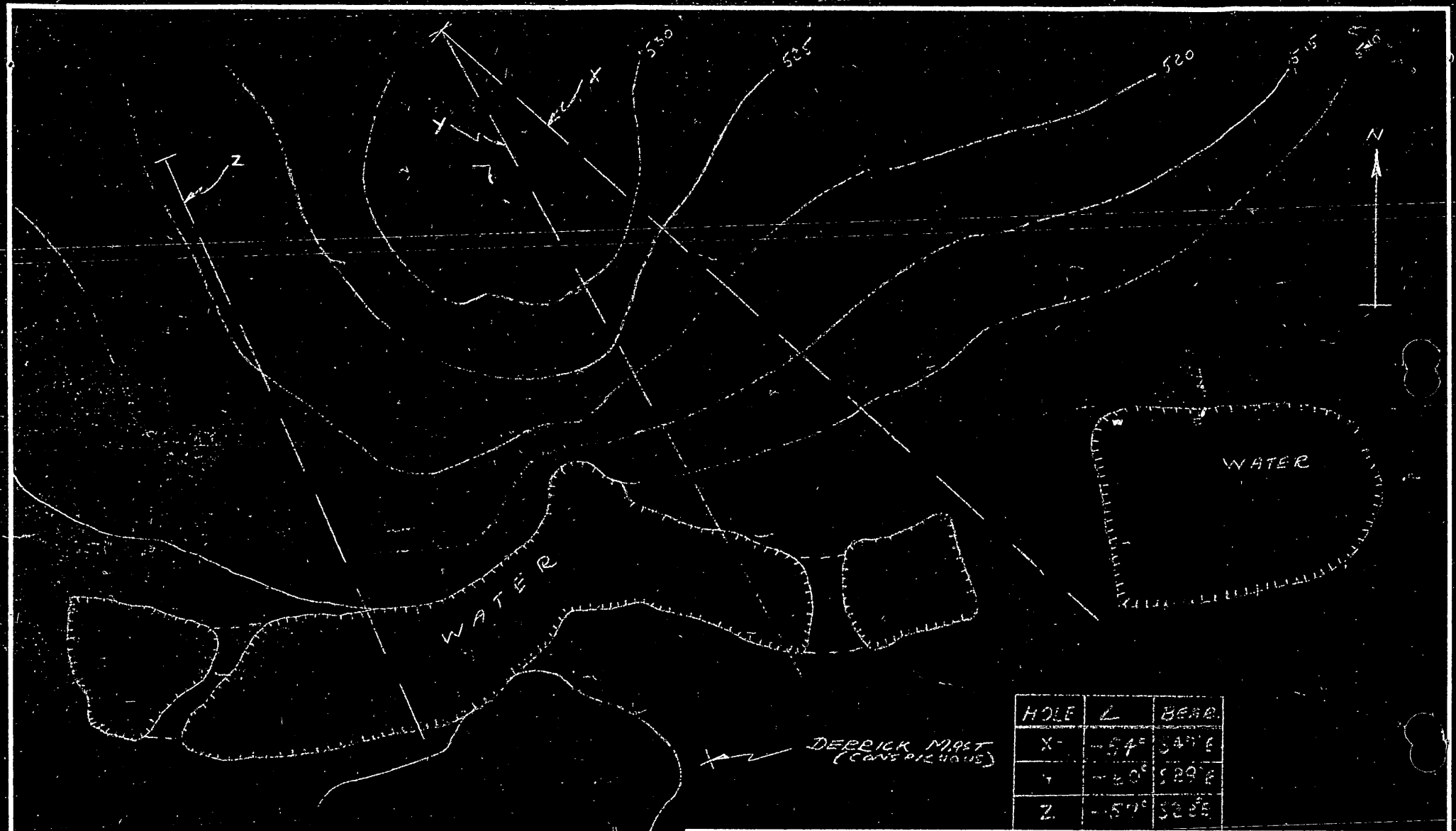
RESULTS OF CORE DRILLING

While final interpretation of results is not contemplated in this report, holes X and Y indicate sufficient pegmatite to warrant further investigation. The core log has been made by Glenn Stewart and he has the record. Cores are at the operator's residence.

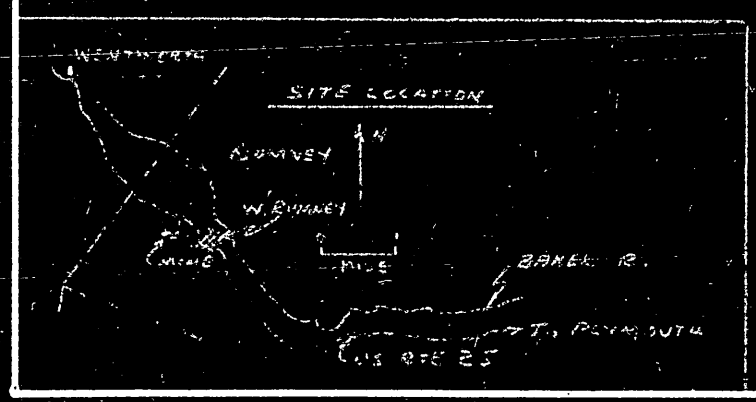
CURRENT STATUS

De-watering will start in the near future. A change of plans is under consideration with the thought in mind of running an electric power line to the mine from the poles of the New Hampshire Electric Cooperative

which cross the property. Equipment is being lined up and other details readied to proceed as soon as possible.




| HOLE | ∠ | BEAR. |
|---|---|---|
| X | -54° | S47°E |
| Y | -60° | S29°E |
| Z | -57° | S22°E |



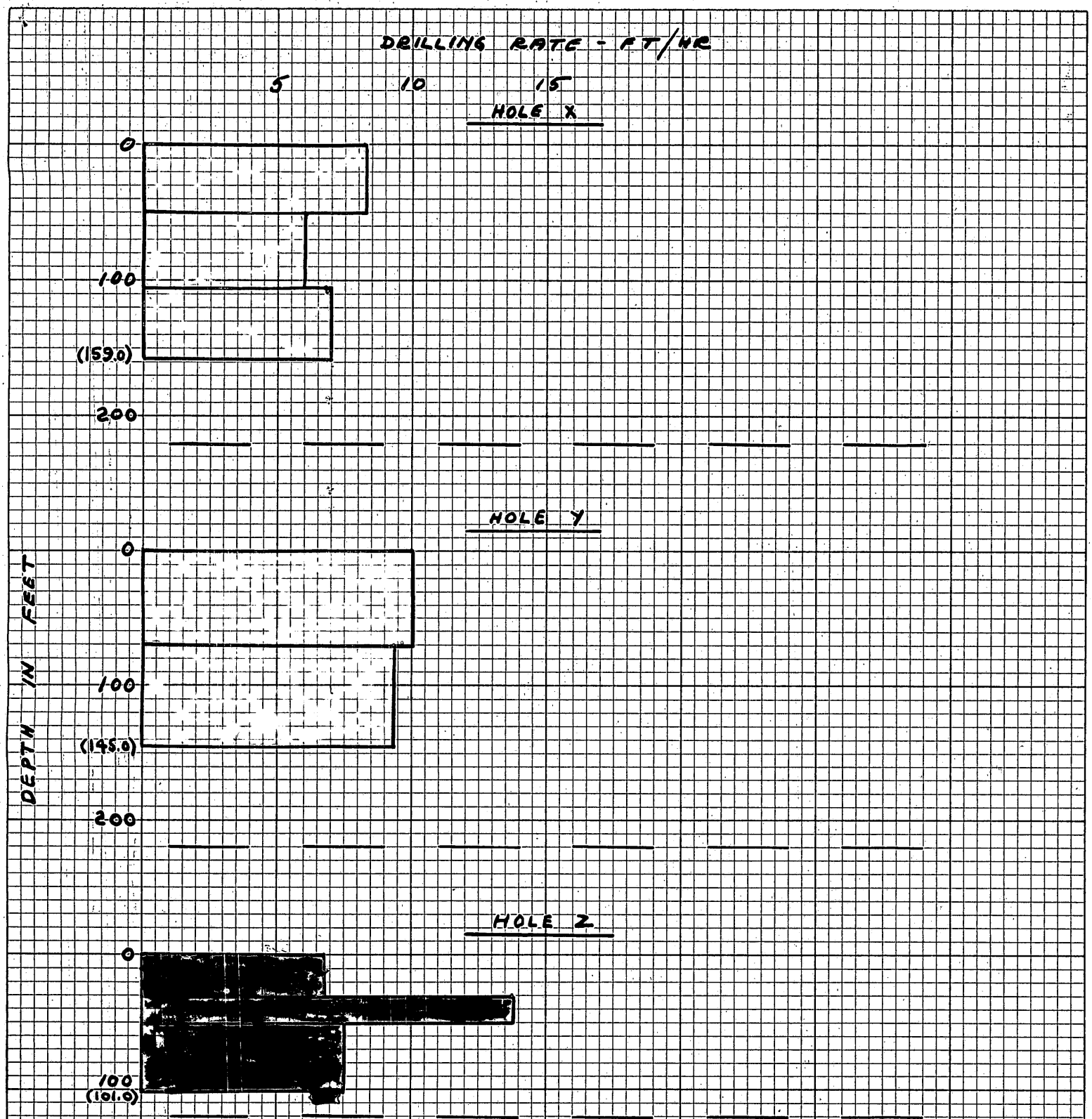

ATWOOD MINE - W W & NUMNEY N.H.

| | | |
|---|---|---|
| SCALE: 1" = 25' | APPROVED BY | DRAWN BY |
| DATE: MAR 1, 1952 | | REVISED |

DIAMOND DRILL HOLE LOCATIONS

DRAWING NUMBER 5

PRINTED ON NO. 1000H CLEARPRINT




AVERAGE DRILLING RATE, INCLUDING SETTING UP, RELOCATION, AND EQUIPMENT REMOVAL - - - 4.3'/hr 34.4'/8 hrs

AVERAGE DRILLING RATE, DRILLING ONLY BUT INCLUDING RELOCATION - - - - - - - - - - - 6.8'/hr 54.4'/8 hrs

AVERAGE DRILLING RATE, DRILLING ONLY - - - 7.8'/hr 62.4'/8 hrs

CONTRACT PRICE PER FOOT - - - - - - - - $ 4.95

TOTAL FOOTAGE DRILLED - - - - - - - - 405'

APPENDIX II

K & E CO., N.Y.

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

Project Summary Report

By: Walter C. Anderson July 2, 1954

1. Docket No. DMEA-2129 - Mica-Beryl
Contract No. Idm-E256
Atwood Mine
Grafton County, New Hampshire

Operator: Richard N. Berry
57 Glenwood Street
Malden 48, Massachusetts

Operator's property rights:
Lease and lease renewal rights annually, dated July 11,1951.
Landlord's Subordination Agreement, dated November 10,1951.

2. Contract - dated February 18, 1952.

Work authorized:

| | |
|---|---|
| Diamond drilling - 400 ft. @ $6.25/ft. | $2,500.00 |
| Dewatering old workings | 521.00 |
| Equipment | 3,103.00 |
| Headframe and hoist house | 1,095.00 |
| Sinking - 5 ft. by 8 ft. inclined shaft - 60 ft. @ $60.98 | 3,659.00 |
| Drifting and/or crosscutting 60 ft. @ $35.37/ft. | 2,122.00 |
| Total estimated cost of project | $13,000.00 |
| Government participation @ 90% | $11,700.00 |

Amendments -
No. 1 - 9/8/52 - Extends completion date for a period of 90 days.
No. 2 - 12/12/52 - Provides for additional 43 ft. of drifting @ $35.00/ft., increasing the total estimated cost of the project to $14,500.00.

Work completed:

| | |
|---|---|
| Independent contract 405 ft. of diamond drilling @ $4.95/ft. | $2,004.75 |
| Short form contract 30 ft. of drifting @ $35.00/ft. | 1,050.00 |
| Long form contract (sinking 60 feet of shaft and 27 ft. drifting and/or crosscutting) Labor and supervision | 4,732.88 |

| | |
|---|---|
| Operating materials and supplies | $2,201.31 |
| Operating equipment | 2,509.72 |
| New buildings, improvements, etc. | 1,061.14 |
| Miscellaneous | 632.58 |
| Less excess over authorized cost of project | (142.38) |
| Total accepted cost | $14,050.00 |
| Government participation @ 90% | $12,645.00 |

Work began on May 14, 1952 and completed on December 6, 1952. During the project 1,035 pounds of hand-cobbed mica was produced of which only about 23 pounds was of strategic grade. Five pounds of beryl was produced.
Field Team Final Report received January 27, 1954.
Operator's Final Report received February 8, 1954.

3. Audit - certificate issued May 10, 1954.

| | |
|---|---|
| Total cost less proceeds from inventory of supplies | $14,755.13 |
| Exceptions | 705.13 |
| Total accepted cost | $14,050.00 |
| Government participation | $12,645.00 |

4. Certification of discovery - none issued.

Estimated reserves:

| | |
|---|---|
| Pegmatite | 2,000 tons |
| Hand-cobbed mica | 5 tons |

5. Comments:

How conducted - Although Operator did not have competent underground miners, he was conscientious and hard working at all times.

Operation - Surface work, fairly efficient.
Shaft sinking - costs were reasonable.
Drifting and crosscutting - costs were too high.

Engineering - Interim and final reports by Operator were well done.

Geological premise - The premise of the existence of a 45,000 ton pegmatite containing 2%, or 900 tons mica was incorrect, as reserves indicate 2,000 tons of pegmatite containing 5 tons mica.

Geological criteria upon which work was based:

1. Zoned pegmatite 3 to 20 ft. thick.
2. Discontinuous wall zones, 6 to 3 ft. thick, containing sheet mica.
3. Intermediate zone 1 to 12 ft. thick containing beryl.
4. Core 2 to 3 ft. thick with unevenly distributed mica books.

Criteria developed during project:

1. Zoned pegmatite averaging 12 ft. in thickness.
2. Scattered and very small mica.

Future possibilities - No justification for further participation by the Government in exploring this deposit.

Recommendations: The Nonmetallic Minerals Division concurs in the field team's recommendation that certification of discovery should not be issued, ~~and that royalty payments specified in the contract be waived.~~ The Geological Survey concurs in this recommendation. The Bureau of Mines recommends that consideration be given the possibility of future production.

This is a case where a contract on estimated costs was converted to a unit cost without an examination and verification of work completed under the estimated costs portion, caused difficulties and should be avoided in the future.

[X] Audited

[ ] Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12-3-54
Incl. Voucher for 11-2-52

[X] Actual Cost.
AND
[X] Agreed Unit Costs

Name Richard N. Berry

Docket No. 2129

State New Hampshire

Commodity MICA

Idm-E No. 256

| OPERATION | AUTHORIZED Units | | AUTHORIZED Cost | | COMPLETED Units | | COMPLETED Cost | | NET COST | |
|---|---|---|---|---|---|---|---|---|---|---|
| Drifting & Crosscutting — Unit Costs → | 43 | ft | $1500 | 00 | 30 | ft | $1050 | 00 | $1050 | 00 |
| Drifting & Crosscutting — Actual Costs → | 60 | ft | $2522 | 00 | 27 | ft | $1792 | 58 | $1792 | 58 |
| Raising | | | | | | | | | | |
| Shafts (actual) | 60 | ft | $4059 | 00 | 60 | ft | $6700 | 68 | $6700 | 68 |
| Winzes | | | | | | | | | | |
| Drilling (Specify) Diamond Drilling (actual) | 400 | ft | $2500 | 00 | 405 | ft | $2004 | 75 | $2004 | 75 |
| Surface Excavation | | | | | | | | | | |
| Underground Excavation | | | | | | | | | | |
| Roads and Trails | | | | | | | | | | |
| Operating Equipment Purchased (actual) | | | $2303 | 00 | | | $1946 | 00 | $1440 | 85 |
| Surface Rehabilitation & Repairs | | | | | | | | | | |
| Underground Rehabilitation (dewatering) (actual) | | | 521 | 00 | | | | | | |
| New Building, Improvements, etc. (actual) | | | 1095 | 00 | | | $1061 | 14 | $1061 | 14 |
| Other (Specify) | | | | | | | | | | |
| Totals | | | $14500 | 00 | | | $14555 | 15 | $14050 | 00 |

Prepared by Keating

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

July 1, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: N. A. Eilertsen, acting for W. T. Millar,
Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-2129 - (Mica)
Richard N. Berry, Atwood Mine
Grafton County, New Hampshire
Contract No. Idm-E256

Attached are two copies of the Final and Amended Report for the subject contract, which has been certified for payment by the Finance Officer, Region VIII.

N. A. Eilertsen

N. A. Eilertsen

Copy letter in 6 months

Attachments - 2

DMEA
Summary Report
June 30, 1954

| | |
|---|---|
| Operator: | Richard N. Berry |
| Address: | 17 Garden Lane, Cape Cottage, Maine |
| Mine & Location: | Atwood Mine, W. Rumney, N. H. |
| Docket No.: | DMEA-2129 |
| Contract No.: | Idm-E256 |
| Commotidy: | Mica |
| Total Cost: | $14,500.00 |
| Government Participation: | $13,050.00 - 90% |
| Duration of Contract: | Feb. 18, 1952 to Feb. 1, 1953 |

The purpose of this contract was to explore for strategic mica.

The work consisted of 405 feet of diamond drilling, unwatering of the old workings, 60 feet of shaft sinking and 47 feet of drifting and crosscutting was completed in December 1952.

Although mica of strategic quality was recovered during the exploration, the final results indicated that the percentage of marketable products is too low for an economically successful operation.

Both the Operator's and the Field Team's final reports have been submitted.

The auditor's review of the Operator's final vouchers show the accepted costs of the project to be $14,050.00 and the Government's share of costs at 90 percent participation to be $12,645.00. Final settlement on this basis was made June 30, 1954.

Issuance of a Certificate of Discovery or Development was not recommended.

College Park, Maryland

June 16, 1954

Memorandum

To: F. R. Kantner, Finance Officer, DMEA, Region VIII

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-2129 - (Mica)
Richard N. Berry, Atwood Mine
Grafton County, New Hampshire
Contract No. Idm-E256

Transmitted herewith for your audit and certification are the original and three copies of the Final and Amended Report on forms DF-104 and DF-104A, for the subject contract, together with the following data:

4 copies of a letter dated June 14, 1954 to Richard N. Berry from E. D. Talbert, Auditor.

Original and 1 copy of the Amended Report of Review by E. D. Talbert, Auditor.

Original and 3 copies of a letter dated ~~June~~ April 30, 1954 to Jay L. Chambers, Ch., Contr. Adm. & Audit Div., from Richard N. Berry.

One set of the revised final vouchers submitted by Mr. Berry with his letter of April 30, 1954.

W. T. Millar

Enclosures

WTM:rwa

copies for GeoCSelfridge, Chr., Oper. Comm.
JayLChambers, Ch., Contr. Adm.&Audit Div.
DMEA Files, CP

FILE COPY
SURNAME:

Talbert

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

Mr. Richard H. Berry
17 Garden Lane
Cape Cottage, Maine

JUN 1 4 1954

Subj.: Idm-1256, DMA-2129
Atwood Mine
Grafton County, N. H.

Dear Mr. Berry:

Reference is made to the "final" vouchers, as submitted under cover of your letter of April 30, 1954, covering your claimed total costs under the subject Exploration Project Contract as amended.

A review has been made of your revised claims, including the documentary support previously submitted with your monthly vouchers and the additional invoices forwarded with your letter of February 10, 1954 addressed to Mr. F. R. Kuntner, Administrative Assistant, Bureau of Mines, College Park, Maryland. The findings of this review are detailed in a "Review Summary" and a "Schedule of Exceptions", copies of which are enclosed for your information.

As a result of your submission of these revised claims and our review thereof, the status of your account with the Government is as follows:

| | | |
|---|---|---|
| Accepted Costs (per Summary attached) | | $14,050.00 |
| Government Participation (90%) | | 12,645.00 |
| Total Paid by Government | $12,970.08 | |
| Less: Operator's Check #3913 | 376.09 | 12,593.99 |
| Balance Due Operator | | $ 51.01 |

Your revised claims, together with the findings of this Division, have been forwarded to Mr. U. T. Miller, Executive Officer, DMA Field Team, Region VIII, College Park, Maryland, with recommendation that the balance due you of $51.01 be paid.

Sincerely yours,

(Signed) E. D. Talbert

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

EDTalbert/wb
June 14, 1954

Copy to: Docket
Admr. Reading File
Mr. Millar, Region VIII
Mr. Chambers
Mr. Houk

C
O
P
Y

17 Garden Lane
Cape Cottage, Maine
April 30, 1954

Mr. Jay L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Washington, D. C.

Dear Mr. Chambers:

Re: Docket DMEA-2129-X
Atwood Mine
Grafton County, N. H.
Contract No. Idm-E256

Enclosed are the revised final vouchers submitted in accordance with our recent correspondence.

The inventory on November 5, 1952 was as follows:

| | | |
|---|---|---|
| 1 case dynamite | 11.58 | |
| 250 tamping bags | 1.00 | |
| 100 caps | 13.76 | 26.34 |

If you wish any further data in your review of this please do not hesitate to contact me.

Thank you very much for help in this.

Cordially yours

/s/ Richard N. Berry

Richard N. Berry

encl/

Original letter, original and 3 copies of each revised "final" MF-104 and MF-104A, and the invoices submitted with Operator's letter of Feb. 10, 1954 were given to Mr. Millar at College Park on May 10, 1954

Talbert

800

Chambers

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

APR 20 1954

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Re: Docket DMEA-2129X (Mica)
Atwood Mine
Grafton County, N. H.
Contract No. Idm-E256

Dear Mr. Berry:

Reference is made to your letter of April 11, 1954, in regard to rebilling expenditures on the above cited project.

It is not necessary for you to bill on a monthly basis. Your Form MF-104, Operator's Monthly Report and Voucher, should be itemized according to the categories and items thereon for that part of the work done on an actual cost basis. It would be most helpful if you could refer to the invoices supporting such expenditures providing you have already submitted them to Region VIII or to this office. Also, index any invoices not previously billed which are submitted with your report. I may explain that the third column (Totals to Date) of the MF-104 is all you need to prepare.

In the second part of your report for the agreed unit cost you will need to give the total footage and the unit price per foot, accomplished under the amended contract. Any other information which you care to submit will be considered. I might say, however, that the only basis for reimbursing you on the amended agreed unit cost part of the contract is the lineal foot.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

JLChambers/ama
April 19, 1954

Copy to: Docket
Admr. Reading File
Mr. Millar, Executive Officer, Region VIII
Mr. Chambers

R.C.S.

Defense Minerals Administration
RECEIVED
APR 14 1954

17 Garden Lane
Cape Cottage, Maine
April 11, 1954

Mr. Jay L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Washington, D.C.

Dear Mr. Chambers:

Re: Docket DMEA-2129X (Mica)
Atwood Mine
Grafton County, N.H.
Contract No. Idm-E256

With reference to your letter of March 18th on the above subject, I certainly appreciate your help in having this handled the way you outline.

In preparing the first voucher you mention, that covering work up to November 4, 1952, will this new voucher be a summary voucher covering the entire period on one voucher or do you wish new vouchers made out for each month involved?

With reference to the second voucher I am preparing, covering work done on the unit cost basis, you will note on page four of my letter of February 10, 1954 that there is an explanation of the amount of work done on this basis in which the volume of rock moved computed on the unit volume basis is slightly in excess of the total amount in the amended contract. Accordingly, I shall submit this second voucher on the basis of an equivalent unit cost basis of 43 ft at $35.00 per foot.

Thank you for your assistance in this matter.

Cordially yours,

Richard N. Berry

Richard N. Berry

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

Chamberlin
Houk
Butler
Underwood

MAR 19 1954

Mr. Richard W. Berry
17 Garden Lane
Cape Cottage, Maine

Re: Contract DMEA-2129X (Mica)
Atwood Mine
Grafton County, New Hampshire
Contract No. Ida-2256

Dear Mr. Berry:

Your letter of February 10, 1954 addressed to Mr. F. R. Kantner, Administrative Assistant, Bureau of Mines, College Park, Maryland, has been referred to this office for consideration and reply.

It is noted that you claim that a large amount of expenses incurred by you for exploration work under the above-cited contract was not stated on your vouchers as a claim for reimbursement because you were of the opinion that claims already presented used all of the funds allocated to the project. I have examined the list of claims presented by you in your letter of February 10, 1954 and note that some of them were incurred in November and December. You realize, of course, that the amendment to the contract under which you undertook 43 feet of drifting was on an agreed unit cost basis, effective November 5, 1952. Therefore, you are to be paid for the work under the amendment on a unit cost basis and should not submit any detail expenses whatsoever as a claim under the contract.

The Defense Minerals Exploration Administration recognizes that you probably misunderstood the amended contract. This is evidenced by the manner in which you submitted your vouchers for reimbursement. For this reason and the one stated above that all expenses had not been vouchered, it has been determined to permit you to resubmit your claims for expenses incurred under the original contract which run from February 18, 1952 through November 4, 1952, and to submit a second voucher for expenses incurred on the agreed unit cost price for work accomplished under the amendment to the contract which was effective November 5, 1952.

In preparing the first claim submit all of the incurred expenses for all materials, labor, etc., used in the exploration work up through November 4, 1952. These claims must be supported by evidence

R.G.B.
3-19-54

such as invoices, payrolls, etc. If you have already submitted such evidence make references to the documents in a narrative explanation to accompany the voucher. Please remember that any material or any other expense which was incurred prior to November 5, 1952 but which was actually used on the project after November 5, cannot be claimed as reimbursable items under the first part of the contract. I also wish to point out that the signing of this reclaim voucher by you has the same effect as a sworn statement and carries a penalty for making a false claim against the Government (Title 18 U. S. Code Sec. 1001). I wish further to point out that under the terms of the contract this Administration has the privilege of making an audit of your books and account records if it is deemed advisable in arriving at an audit conclusion.

Your second voucher should be submitted for the work accomplished under the amended contract. This voucher will consist of giving the number of feet of drifting or crosscutting at $35.00 per foot.

You will find enclosed a number of copies of Forms MF-104 and MF-104A, "Operators Unit Cost and Progress Report", for use in making your reclaim. Upon receipt of your reclaim voucher the Contract Administration and Audit Division of the Defense Minerals Exploration Administration will give it immediate attention.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosure

JLChambers/vb
Mr. Pigman: Please submit a detailed inventory on the value of all materials and supplies on hand November 5, 1952.
March 14, 1954

Copy to: Docket
Admr. Reading File
Region VIII Field Team
Mr. Chambers
Mr. Houk

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Re: Docket No. DMEA-2129 - Mica
Atwood Mine
Grafton County, New Hampshire
Contract No. Idm-E526

Dear Mr. Berry:

The Executive Officer, Region VIII, has brought to our attention the fact that since September 1953, attempt has been made to obtain from you a specific proposal concerning repayment to the Government of the sum of $445.97, overpaid to you under the subject contract.

Your request and supporting data submitted in your letter of February 10, 1954, have been reviewed by our Contract Administration and Audit Division, and it is regretted that the terms of the contract do not permit this Administration to accept your claim. Under the circumstances, you have two courses to follow: (1) To submit an acceptable plan for reimbursing the Government; or (2) to file a claim with the Comptroller General of the United States for his action. Otherwise, we shall have to take action for collection.

Sincerely yours,

Administrator

RECEIVED
MAR 10 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION

97023

PRODUCTION EXPANSION DIVISION

## PROCUREMENT APPLICATIONS

Name of Company and Address _____

Name of Mine and Location _____

Docket No. DMA - _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Length of Contract (preproduction plus production) _____

Amount of Metals or Minerals in tons, units or pounds _____

Floor price or Guaranteed price and whether or not escalated _____

Maximum Government Commitment _____

Comments on Contract: _____

_____

_____

_____

_____

_____

Date sent to Legal Division _____

Date of Recommendation to D.P.A. for Certification _____

Date Certification sent to G.S.A. by D.P.A. _____

Date signed into Contract by G.S.A. _____

Additional Remarks: _____

_____

_____

_____

_____

NOTE: If application is denied, or if it is recommended for change into exploration, etc., please state under additional remarks.

Signed _____

Interior—Duplicating Section, Washington, D. C.

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Re: Docket No. DMEA-2129 - Mica
Atwood Mine
Grafton County, New Hampshire
Contract No. Idm-E256

Dear Mr. Berry:

The Executive Officer, Region VIII, has brought to our attention the fact that since September 1953, attempt has been made to obtain from you a specific proposal concerning repayment to the Government of the sum of $445.97, overpaid to you under the subject contract.

Your request and supporting data submitted in your letter of February 10, 1954, have been reviewed by our Contract Administration and Audit Division and regretted that the terms ~~and their~~ study shows the Government's claim for repayment of $445.97 overpayment is justified. Your misinterpretation of the contract cannot be used as an excuse to waive your liabilities under the contract. Therefore, unless you inform us, by return mail, of an acceptable proposal for repayment of the sum due the Government, we shall be required to submit ~~this~~ claim to the Comptroller General for action by that office.

Sincerely yours,

Administrator

to take action for collection.

If the contract do not permit this administration to accept your ~~claim~~. Under the circumstances, you have two courses to follow: (1) To submit an acceptable plan for reimbursing the Government, or (2) to file a claim with the Comptroller General of the United States for his action. Otherwise, we shall have

DEFENSE MINERALS ADMINISTRATION

97023

PRODUCTION EXPANSION DIVISION

## PROCUREMENT APPLICATIONS

Name of Company and Address _____

Name of Mine and Location _____

Docket No. DMA - _____ Date received by P.E.D. _____

Metals or Minerals involved _____

Length of Contract (preproduction plus production) _____

Amount of Metals or Minerals in tons, units or pounds _____

Floor price or Guaranteed price and whether or not escalated _____

Maximum Government Commitment _____

Comments on Contract: _____

_____

_____

_____

_____

_____

Date sent to Legal Division _____

Date of Recommendation to D.P.A. for Certification _____

Date Certification sent to G.S.A. by D.P.A. _____

Date signed into Contract by G.S.A. _____

Additional Remarks: _____

_____

_____

_____

_____

NOTE: If application is denied, or if it is recommended for change into exploration, etc., please state under additional remarks.

Signed _____

Interior—Duplicating Section, Washington, D. C.

Invoices to code 600

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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March 8, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-2129X - (Mica)
Atwood Mine, Richard N. Berry,
Rumney, Grafton County, New Hampshire
Contract No. Idm-E256

Enclosed are the original and three copies of a letter from Richard N. Berry dated February 10, 1954, which was received by F. R. Kantner, Finance Officer, DMEA, Region VIII, requesting reconsideration of the account of the subject contract, which is overpaid $445.97. Attached to the original of this letter is a list of 52 invoices and one copy of documentations totaling $1,158.94, which is claimed to have been paid by the Operator but was not included in the monthly progress and cost reports.

These invoices have been reviewed separately by the Finance Office and the Bureau of Mines engineer.

The following are facts on the subject taken from the DMEA file in College Park and comments on the letter from the Operator listed in chronological order:

Comments on Mr. Berry's letter of February 10, 1954
to Mr. F. R. Kantner, DMEA Finance Officer, Region VIII

Minimum electric power charges of $562.89 are Mr. Berry's affair and are due to his own arrangements outside the DMEA contract.

Loss on compressor - This is solely due to Mr. Berry's arrangement to acquire the compressor under a conditional sales contract outside the terms of the DMEA contract.

Lease rental - Under existing conditions this is outside any interest of the Government.

Travel, board, room, legal and telephone expenses are entirely for Mr. Berry's account. He was paid as Supervisor of the project in accordance with the contract.

On page 2, paragraph 3 of Mr. Berry's letter, it is stated that he did not know of the difference in operating terms between the original contract and Annex II until receipt of Mr. Kantner's letter of September 30, 1953. This is obviously a misstatement as Mr. Berry's request for additional funds, dated November 15, 1952, specified $35.00 per foot.

On page 3, midway in paragraph 1 of subject letter, "I recall Mr. Burmeister saying that $35.00 per foot of 5 x 7 tunnel would be a top figure in estimating costs". Mr. Berry's use of the word "estimating" is evidence that he was told at the time of planning Annex II, that the unit cost would not exceed $35.00 per foot.

Item 31 - In the knowledge of the engineer only one skip was used. This was paid for on regular vouchers in August and September 1952, the items being as follows:

| | | |
|---|---|---|
| Aug. 26, 1952 - | Material & labor plus tax | $109.42 |
| Sept. 22, 1952 - | Reinforcing skip | 20.00 |
| | Shipping skip | 4.24 |
| | Total - | $133.66 |

Without doubt it is a coincidence that in Mr. Berry's accompanying list of invoices, Item 31, the cost of which he states that he himself bore, there appears the following:

| | | |
|---|---|---|
| Make ore bucket - | | |
| Material | | $ 54.53 |
| Tax | | 1.09 |
| Labor | | 78.00 |
| | Total - | $133.62 |
| | Less tax | 1.09 |

Items 5, 6, 7 - Explosives cost as reported in these items is $274.20, which is in addition to the $607.00 reported on Form MF-104 and the Government's share paid. The total of $881.20 indicates an explosive cost of $9.80 per foot of advance in a 60-foot 5' x 8' shaft and 30 feet of 5' x 7' drift.

Considering the $1890.00 that the Government paid as its share of Mr. Berry's salary for superintendence it would seem that this project cost the Operator little more than his time at most even if he did pay for all the items listed on the sheet of invoices attached to his letter.

It is noted that Mr. Berry is pleased that he designed the plant and its layout. The engineer designed the headframe for self dumping skip and forwarded a print to Mr. Berry who used it. The hoist location chosen by Mr. Berry was impossible and was corrected by the engineer.

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Defense Minerals Administration
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Observations from DMEA Files

This property was visited by H. L. Burmeister, the Government engineer, on November 10, 1952. At this time Mr. Berry was drifting at his own cost knowing that the allowed contract cost had been reached on November 3rd or 4th. This is evidenced by his letter of November 15, 1952 requesting additional funds.

On November 13, 1952 the mine was again visited by the engineer in company with Glenn W. Stewart, geologist, USGS, and the operator. At this time the operator was told by both Government representatives that they would recommend additional funds in the amount of $1500.00 to be used only for drifting at the unit cost of $35.00 per foot of advance. (See engineer's report of November 14, 1952).

Mr. Berry's letter of November 15, 1952 to the Executive Officer, requested $1500.00 of additional funds to be used for drifting 43 feet at the unit cost of $35.00 per foot of advance.

On November 21, 1952 the Executive Officer recommended to the Operating Committee that the total cost of the contract be increased by $1500.00 to meet costs for 43 feet of drifting.

The Operator's Monthly Report for November 1952 shows total expenditures of $14,412.73.

The engineer's report under date of December 6, 1952 states among other things that as of December 1, there remained $87.27 unexpended of the $14,500.00 assured as a total.

Amended Contract - Annex II, Stage IV, dated December 12, 1952, clearly states that the additional work shall be done on a unit cost basis instead of an actual cost basis. In signing this the Operator agrees to save harmless the Government from all claims and demands arising out of the prior contract. Annex II expressly specifies that $35.00 per foot shall be an allowable maximum. The terms of Annex II became effective November 5, 1952.

On December 14, 1952 the Executive Officer received the amended contract from the Operating Committee. In accordance with instructions contained, the Executive Officer on December 15 requested the Operator to secure and forward a new "Consent to Lien." It was also stated that the amendment had been approved and would be sent to the Operator for signature upon receipt of the new, "Consent to Lien."

The "Consent to Lien" was signed December 20, 1952 and on December 31, 1952 the amended contract was sent to Mr. Berry for signature.

The engineer's Field Report under date of March 19, 1953 relates Mr. Berry's statement that the $35.00 per foot limit did not occur to him when making his November 1952 Monthly Operator's Report.

The Operator's Monthly Report for December 1952, which was also his final report, was received at College Park on August 27, 1953. The expenditure items on MF-104 were not totaled correctly. In the accompanying letter Mr. Berry states that this settles the total expenses of the contract and enclosed his check in the amount of $376.09 as the Government's share of jointly owned equipment.

On September 3, 1953 the Government engineer wrote Mr. Jay L. Chambers, Audit Division, Washington Office, detailing footage advanced.

On September 16, 1953 the Executive Officer acknowledged receipt of the Operator's Final Report and informed Mr. Berry that a final audit was being made.

Mr. F. R. Kantner, Finance Officer, Region VIII, wrote Mr. Berry under date of September 30, 1953, detailing accepted costs and stating that $445.97 was due the Government.

The engineer's Memo to the Executive Officer under date of October 28, 1953 was made after an interview with Mr. Berry. Mr. Berry freely admitted his full knowledge of the unit cost basis operated under Annex II.

CONCLUSIONS:

After reviewing the pertinent facts of this case, it is concluded that:

1. The Operator was well informed of the unit basis for payment of drifting under the amended contract.

2. All just costs of the exploration under this contract have been paid in accordance with the monthly reports submitted.

3. Some of the claims for additional expenses as listed with the Operator's letter of February 10, 1954, appear excessive and unwarranted.

4. Some topics mentioned in the letter and items in the list of invoices appear to be inconsistent.

5. The Operator has received liberal assistance from the Government and full cooperation from the Government geologist and engineer assigned to this project.

6. A refund of $445.97 by the Operator is justified.

RECOMMENDATION:

From the foregoing conclusions, it is recommended that the final settlement be based on the terms of the contract without further adjustments.

W. T. Millar

W. T. Millar

Enclosures

Richard N. Berry
17 Garden Lane
Cape Cottage Maine

FRK 2/17/54 W.G.M. 2/16/54

February 10, 1954

Mr. F. R. Kantner, Administrative Asst.
Bureau of Mines
College Park, Maryland

Re: Docket DMEA-2129-X
Contract Idm-E256
Atwood Mine

Dear Mr. Kantner:

The following and attached information is supplied in connection with the final settlement of the above contract concerning which there is a significant difference in the method used in final accounting from the prior understanding on my part. I feel that the entire background in this may not be understood by those who have not worked closely with the operation in the field from the beginning and I feel the following will help.

To give a clear idea of the financial expense involved in this exploratory work, the attached list of 52 invoices covers items which have not been presented heretofore to the Government for payment. The reason for this is that I thought my list of expenses presented exceeded the contract amount; however, in view of the disallowance of certain items and in order to present the total expense involved in the operation, it is felt advisable to present this material. This amount, totalling $1,158.94, covers only items which ordinarily I would have put on the monthly reports. They have all been paid out of my pocket and pertain only to the work done under the contract. I have broken them down for your consideration under appropraite item headings applicable on Form MF-104. In reconsidering this matter, it would be appreciated

greatly if these items were included in your study of the matter.

Upon conclusion of operations at the Atwood Mine, I was faced with a further continuing expense for 54 months of minimum power charges; $43.20 for 11 months and $15.00 for the balance, designed to cover the cost of the power service installation. Quite fortunately, the New Hampshire Electric Cooperative agreed to reduce this to $562.89, a figure arrived at by making an allowance for salvage of their tranformer and line equipment. They also have quite kindly permitted me to spread this out with monthly payments of $43.20 each and at present I owe them $225.49.

There has been a loss on sale of compressor equipment of $2080.00 which evolved on me finally through contingent liability on the purchase note, representing the difference between cost and sale price. Lease rental in the amount of $200.00 was paid the town of Rumney and there were significant expenses of travel, board, room, legal, phone, and other expenses.

The difference between operations under the old and under new contracts is a matter which I did not know existed until I received your letter of September 30th, 1953 and did not fully comprehend until Mr. Burmeister so kindly spent a full day going over the accounting procedure with me. As explained herein subsequently, I feel the difference in operation is unimportant because the work envisaged was accomplished as I shall explain. However, I understand, of course, in reading over the contract now that there is spelled out clearly that the method of repayment shall be based on the unit cost method. Please bear in mind in this respect that my work was finished on December 5th 1952 (under the new contract) and the written contract was received subsequent to that date. Please understand on

on this point that I do not wish to give you the impression I am seeking refuge in technicalities. All through our work uner this contract there has been a complete understanding on all points; I went ahead on the new contract from the old one with no interruption and only with the cooperation and prompt response from your office and I recall the phone conversation authorizing the new work. This was a result of Mr. Burmeister, Glenn Stewart, and myself feeling that promising indications warranted a further endeavor. In figuring the amount of money which might be allowed for this work, I recall Mr. Burmeister saying that $35.00 per foot of 5 x 7 tunnel would be a top figure in estimating the cost. This frankly is where my memory stops. I definitely do not recall understanding, until he visited my home here last October, that not more than $35.00 per foot would be paid. The total allowance of $1500.00 was clearly understood on my part to be available for the work as previously done; I understood this was arrived at by multiplying the $35.00 per foot by the 43 ft and that the Government would not pay a gross sum more than the total figure. I knew that all new exploration contracts were being approved on the unit cost basis but thought mine was continued on its original basis.

When your letter of September 30th arrived, I felt the difference in amount allowed was due to accounting interpretation of the various costs and it was not until Mr. Burmeister talked the matter over with me that I understood there was a basic difference between my interpretation of the costs and between that of the auditors.

The above explanation is detailed for your consideration in order that you will understand my report was submitted on the

basis which I felt was correct. In computing the work accomplished on the unit cost basis, the following explanation will furnish you the data based on the latter method of cost analysis.

In following along the hanging wall zone from our cross-cut, we were continually exposing conflicting pegmatic formations. Several horses of gneiss were encountered in the general direction of our work; we hoped these would develop in to a series of "chutes", "chimnies","folds", or curves under which concentrations of mica might be found. In several instances this did prove to be true; previous history of the mine and Glenn Stewart's thoughts all indicated these "shoots" to be most important. These occurred not only on the hanging wall but in two places were encountered on our right as we drifted and then came in evidence in the back. The strike of the contact zone of the pegmatite and country rock was quite irregular due to this occurence of the shoots and gneiss horse. We followed these formations right and left and vertically as we went and determined it highly necessary to examine them to see if our mica occurence would be in this zone. This work necessitated a wider and higher face than envisaged in the original 5 x 7 cross-sectional area. The thought of following this line of action was concurred in by Mr. Stewart and myself and even hind-sight justifies our actions on this matter. My measurements of the average cross-sectional area indicate that we made an opening about six feet wide by eight feet high. On an equivalent volume basis of 1500 cu ft in the contract we excavated not less than 1530 cu ft.

If you decide this on a <u>unit cost</u> basis , it certainly seems justifiable to figure it on a <u>unit volume cost</u> basis because that is the true measure of the work accomplished. It might be said that to have driven a straight 5 x 7 tunnel 43' paying no attention

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Defense Minerals Administration
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MAR 8 - 1954

to the mineralogical inferences would have been in violation of the understanding and purpose of the contract which, after all, was to find mica. We did move more rock than called for on the unit basis and did our work the way those in close contact with the facts felt it should be done.

It might be in order to mention a few facts about the way we prosecuted this work. As far as I am concerned, I entered this operation knowing little about actual mining methods but with considerable construction experience, blasting work, and engineering background on the principles invloved. While much help was received from the DMEA, the actual design, construction, and operation of the plant was mine. The headframe will probably remain rooted there for a few years to come and it, as well as the general layout, are matters of satisfaction as far as I am concerned.

The crew, with the exception of the usual jokers quickly weeded out, was tops, all with previous mica mining experience. I dare say there hasn't been an incline put down on a footwall such as we did for many a moon in New Hampshire. It was a hazardous operation, being a perfect funnel for the least pebble to fall in. Our electrification helped considerably both in automatic pumping of water and in lighting underground, blasting, and quick start up of compressor operation and made for considerable economy in labor savings. The crew worked hard and under conditions unkown in that part of the country. I can think of no better way to show how well they did other than to cite the fact that there was not the slightest accident of any kind throughout the work. There was no bickering, drinking, or loafing. When circumstances warranted, we worked two shifts daily.

I feel that Mr. Burmeister, if we have any divergence of thought, may not see eye to eye on our tunneling technique and in particular the quantity of rock pulled per round. This was the most vexing problem encountered; many patterns were tried, three of which are shown on the attached blueprint. I can hear Mr. Burmeister right now saying " goddamit, tell Speed he's got to pull those rounds or you'll get somebody who can". Well, we tried every thought anybody had up and down the line and for pegmatite operations, trying to save what mica there was for inspection, working in an utterly ungraded formation with no two shots pulling the same, we still moved yardage on a favorable comparison with the unit cost contract. I recall a very smart mining man saying when we were all through that it is impossible to predict performance in work like ours in pegmatite. It might be mentioned here that such pegmatite operations are found to vary greatly from metal mining methods.

The above gives you the picture pretty much as I see it; I would like to say once again that every one representing the Government has been most fair and helpful and without their help, we would have made little progress. I think I did a fair job on the operation end and financially I know how I ended up; it is hoped that the above will furnish enough data to re-appraise the situation and arrive at a conclusion that no further money is due the government. Many thanks for your own indulgence in permitting me to present this material now.

Cordially yours,

Richard N. Berry

encl/ print
invoices

BUREAU OF MINES
COLLEGE PARK, MD.
1954 FEB 15 AM 7 48

## List of Invoices

| Inv. No. | From | Item Cost | Amt. |
|---|---|---|---|
| 1 | Chandler Barron | 2 | $ .37 |
| 2 | Joseph Yeaton | 3 | 5.95 |
| 3 | Charles Dufour | 3 | 45.00 |
| 4 | Joseph Yeaton | 3 | 11.69 |
| 5 | N. H. Explosives | 3 & 7 | 62.86 |
| 6 | do | 3 & 7 | 216.97 |
| 7 | do | 3 | 99.13 |
| 8 | W. L. Blake & Co. | 3 | .82 |
| 9 | St. Johnsbury Trucking | 3 | 2.37 |
| 10 | W. L. Blake & Co. | 3 | 8.06 |
| 11 | Maine Hardware | 3 | .18 |
| 12 | Nerbone | 3 | .72 |
| 13 | Orlando | 3 | 9.00 |
| 14 | Surplus Store | 3 | .09 |
| 15 | do | 3 | 1.35 |
| 16 | Edwards & Walker | 3 & 6 | 18.28 |
| 17 | Foster Bros. | 3 | .50 |
| 18 | Edwards & Walker | 3 | 3.22 |
| 19 | Eagle Electric | 3 | 25.72 |
| 20 | do | 3 | 1.20 |
| 21 | do | 3 | 8.90 |
| 22 | Harris Co. | 3 | .92 |
| 23 | St. Johnsbury Trucking | 3 | 2.37 |
| 24 | Nerbone | 3 | .88 |
| 25 | Railway Express Agency | 3 | 2.18 |
| 26 | A. Herman Bag Co. | 3 | 7.50 |
| 27 | Nerbone | 3 | .69 |
| 28 | Rand's | 3 | 2.00 |
| 29 | Eastern Tractor | 3 | 30.25 |
| 30 | Socony-Vacuum | 3 | 20.34 |
| 31 | Commercial Welding | 3 | 132.51 |
| 32 | Nerbone | 3 | .72 |
| 33 | Eagle Electric | 3 | .53 |
| 34 | N. H. Electric Co. | 3 | 56.60 |
| 35 | Ernest Carter | 3 | 20.75 |
| 36 | Edwards & Walker | 6 | 4.21 |
| 37 | do | 6 | .36 |
| 38 | do | 6 | .18 |
| 39 | N. H. Explosives | 7 | 6.59 |
| 40 | do | 7 | 1.80 |
| 41 | Paige | 7 | 15.00 |
| 42 | Evans | 7 | 3.50 |
| 43 | N. H. Explosives | 7 | .10 |
| 44 | Edwards & Walker | 7 | 3.35 |
| 45 | Adele Ray | 7 | 68.00 |
| 46 | FICA Tax | 7 | 11.15 |
| 47 | Liberty Mutual Ins. | 7 | 99.00 |
| 48 | FICA Tax & FUTA tax | 7 | 92.60 |
| 49 | Mutual Boiler Ins. | 7 | 18.73 |
| 50 | K. B. Berry | 7 | 15.00 |
| 51 | do | 7 | 15.00 |
| 52 | do | 7 | 3.75 |
| | | | $ 1,158.94 |

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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February 8, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2129X

Contract Number: Idm-E256

Applicant: Richard N. Berry

Name and Location of Property: Atwood Mine
Grafton County, New Hampshire

Date of Field Team Final Report: January 26, 1954

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

Field Team Recommendation:

1. Discontinue project and issue no certification of discovery or development.

Comments:

1. A total of 1034 pounds of mica was sold to the GSA Purchasing Depot as a result of this project.

2. The field team estimates reserves to be 5 tons of hand-cobbed mica in the hanging wall and states that unknown quantities of mine-run mica might be recovered between the inclined shaft and the old workings.

3. In the event any mica or other minerals are mined within ten years from the date of the contract as a result of this project, royalty should be paid to the Government.

| | | |
|---|---|---|
| 4. Expenditures: | Total approved | $14,500.00 |
| | Total costs | 13,497.80 |
| | Government's share | 12,148.02 |
| | Value of production | 310.50 |

Recommendation:

It is suggested the Operating Committee consider the possibility of future production before the field team's recommendation is accepted.

W. F. Dietrich

W. F. Dietrich

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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February 5, 1954

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket DMEA-2129X - (Mica)
Richard N. Berry, Atwood Mine
Grafton County, New Hampshire
Contract No. Idm-E256

Enclosed are four copies of the Operator's Progress Report for the month of December, 1952. The Field Team requests that this be accepted as the Operator's Final Report.

Costs reported are in error and the report was held since its receipt August 30, 1953 pending the auditor's report and a settlement by the Operator.

The Auditor's Report of Review of September 16, 1953 shows the Operator owed the Government the sum of $445.97, which has not been paid to date.

W. T. Millar

W. T. Millar

Enclosures - 4

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

IN REPLY REFER TO:
GMD-CNM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 4 1954

February 4, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2129 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: R. N. Berry, Grafton County, New Hampshire.
Name of property: Atwood Mine.
Location of property: Grafton County, New Hampshire.
Date of field team report: January 22, 1954.
Authorship of field team report: W. T. Millar and John B. Hanley.
Field team's recommendation: Withdrawal of Government support, no certification of discovery be made, and royalty payments be waived.

Comments:

Very little mica present and no evidence of improvement elsewhere in this pegmatite.

ACTION RECOMMENDED:

Follow field team's recommendation.

D. M. Larrabee

D. M. Larrabee

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
COLLEGE PARK, MARYLAND

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB - 4 1954

February 3, 1954

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Dear Mr. Berry:

Thank you for your letter of January 26, informing us that you will write further sometime early in February relative to the refund of overpayment in the amount of $445.97 due the Government under Contract Idm-R256, Docket DMEA-2129.

The Government is anxious that the file on the above contract be closed, therefore, your prompt attention to the matter of the refund will be sincerely appreciated.

Very truly yours,

F. R. Kantner
Administrative Assistant

FRKantner/lsm

Copy to: Mr. R. W. Stahl, Pgh.
Mr. Selfridge, Chairman, DMEA , Operating Committee
Contract & Audit Division, DMEA
Mr. W. T. Millar
Mr. H. L. Burmeister
Mr. Kantner
1. Mr. Ambrose R. C.P. Files

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 27 1954

January 26, 1954

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-2129X - (Mica-Beryl)
Atwood Mine, Richard N. Berry
Grafton County, New Hampshire
Contract No. Idm-E256

Transmitted herewith in quadruplicate is the Final Report on Completed Contract Idm-E256, the Atwood Mine, Richard N. Berry, Grafton County, New Hampshire.

W. T. Millar

W. T. Millar

Enclosures - 4

Reviewed by
DMEA OPERATING COMMITTEE
2-1-54
(date)

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
JAN 27 1954

# FINAL REPORT ON COMPLETED CONTRACT

DMEA Docket No. 2129X - (Mica-Beryl)

Contract No. Idm-E256

Atwood Mine
Grafton County, New Hampshire
Operator: Richard N. Berry, 17 Garden Lane, Cape Cottage, Maine

by

Defense Minerals Exploration Administration
Field Team, Region VIII

January 22, 1954

Reviewed by
DMEA OPERATING COMMITTEE
2-1-54
(date)

FINAL F.T. REPORT

# FINAL REPORT ON COMPLETED CONTRACT

DMEA Docket No. 2129X - (Mica-Beryl)
Contract No. Idm-E256
Atwood Mine, West Rumney, Grafton County, New Hampshire
Operator: Richard N. Berry, 17 Garden Lane Cape Cottage, Maine

## Introduction

The Atwood mica mine, formerly known as the General Electric Co's mine, is in the town of Rumney, 0.5 mile N. 75° W. of the village of West Rumney, Swainboro Station, on the Boston and Maine Railroad. The mine may be reached from West Rumney by following State Highway No. 25 northwest for 0.4 mile to a woods road on the left; turn left and follow the woods road 0.2 mile southwest to a point below the mine.

## Summary

Exploration under this contract was conducted in four stages as follows:

Stage I - Diamond core drilling 3 holes totaling 405 feet.

Stage II - Unwatering and cleaning out the old workings.

Stage III - Extending an inclined shaft 60 feet from the bottom of the old workings, 12 feet of cross-cutting and 15 feet of drifting.

Stage IV - Under Annex II - 30 feet of drifting or equivalent slabbing.

Indications from Stage I and II were favorable. However, the exploration under Stage III produced 147 tons of pegmatitic material which yielded only two tons of 1.36 percent of mine-run mica, from which 1/2 ton of hand-cobbed mica was recovered. The feldspar was insignificant and hand-sorted beryl amounted to only five pounds.

Underground exploration failed to expose workable deposits of strategic mica and the geological indications exposed by this exploration are unfavorable for occurrences of strategic mica similar to the concentration mined during former operations. There is no evidence of any gradational change between the more or less uniform strike and dip of the hanging wall in the old workings and the irregularities in the eastern half of the pegmatite which was explored under this contract.

## Conclusions

Considering the recovery of only two tons of mine-run mica from 147 tons of pegmatite material mined and no other marketable minerals of consequence, as well as unfavorable geological indications, production from this deposit is not considered as economically feasible at this time.

It is the opinion of the Field Team that present indications do not justify further participation by the Government in exploring this deposit.

## Recommendations

In view of the results from this exploration, the Field Team recommends the Government's withdrawal of support in exploring this deposit. Furthermore, the Field Team does not consider that certification of this deposit for discovery or development is justified, and suggests that royalty payments specified in the contract be waived.

## Old Mine Workings

Prior to 1952 the main operation on this deposit consisted of an open pit 160 feet long varying from 20 to 30 feet wide and averaging about 40 feet deep. The underground workings are partly backfilled and inaccessible but the accompanying mine map, made in 1944, shows that at the northeast end of the pegmatite two open stopes are connected by short-crosscuts. The northeast stope is almost vertical and is about 50 feet long, 5 to 10 feet wide, and 20 to 50 feet

high. The larger open stope, 65 feet long, 20 to 40 feet deep, and 10 to 16 feet wide, is inclined and its floor slopes about 15° northwest toward the crosscut into the northeast stope. Approximately 60 feet below the rim of the pit a 5 by 7-foot drift extends 10 feet northeastward beyond the face of the old workings.

## Description of Work under this Contract

Exploratory work completed under this contract was conducted in four stages. Operations started on May 14, 1952 and were completed December 6, 1952. (See Fig. 2).

Stage I consisted of diamond core drilling. The drilling was subcontracted to the Joy Manufacturing Company of Michigan City, Indiana. The equipment arrived on May 14, 1952 and drilling was completed on May 23, 1952. A total of 405 feet was drilled in three holes from the hanging wall side to prove the continuity of the pegmatite with depth and lateral extension to the east. The drill cores were logged by a representative of the Field Team and the indications were sufficiently favorable to justify continuing the exploration under Stage II.

Stage II consisted of unwatering and cleaning out the old workings in the eastern part of the pegmatite for further examination of the deposit. This examination indicated the possibility of strategic mica continuing to a greater depth. Then underground exploration under Stage III was authorized.

Stage III included erecting a small timber headframe 20 feet high and installing an electrically driven compressor and hoist. Power was made available by the New Hampshire Electric Cooperative, without charges for extending the power line.

The following underground work was done: Between August and December 1952, a 5 by 7-foot inclined shaft, 60 feet deep plus the sump, was sunk from the floor of the open-cut near the east end (see accompanying map, plans and

cross-sections). The floor of the inclined shaft follows the footwall contact between the pegmatite and the schist. From the bottom of the inclined shaft, a 5 by 7-foot crosscut was driven northward for 12 feet to the hanging wall of the pegmatite. A 6 by 7-foot drift was driven northeasterly along the hanging wall contact for 15 feet beyond the east face of the crosscut. The floor of the crosscut and drift is approximately 82 feet vertically below the south rim of the open cut.

Stage IV under Annex II. The drift was extended in a northeasterly direction for a distance of 10 feet, the side of the drift was slabbed for an equivalent of 6 feet of drifting and this angle drift then extended for 12 feet. Two feet of drifting was done to the southwest of the crosscut.

General Geology of the Pegmatite (Fig. 1 and Fig. 2)

The Atwood pegmatite has an exposed strike length of 240 feet. However, a pegmatite outcrop occurs east of and along the strike of the easternmost exposure in the pit, and may extend its strike length by 120 feet. The pegmatite ranges from 3 feet to 30 feet in thickness, but averages about 12 feet thick. It strikes irregularly eastward, dips from 30° N. to vertical, and plunges northwesterly. The contacts of the pegmatite are approximately parallel to the foliation of the wall rock, which is a quartz-sillimanite schist. In places the pegmatite is sharply discordant.

An offshoot of the main pegmatite was described in the DMEA Field Inspection Report of November 1, 1952, as striking approximately N. 40° E. and dipping almost vertically. As a result of the recent diamond drilling and underground exploration, it may be advisable to refer to this "offshoot" as a tongue-like projection of the pegmatite along the hanging wall, or as a narrow bulge or roll. The keel of the schist wedge separating the "offshoot" from the

main pegmatite plunges 40° in a N. 30° to 35° E. direction. Its crest is exposed in the roof of the northeast face of the northeast stope where it plunges 30° to 60° NE. Sharply defined rolls occur along the hanging wall in the accessible parts of the old workings. Similar, but less sharply defined rolls, occur along the hanging wall of the "offshoot." The plunge of these rolls varies with the dip of the pegmatite, from approximately 40° in the old workings to 90° in the northeast stope. The average plunge of the hanging wall rolls is between 60° and 70°. Counterparts of the hanging wall rolls are much less prominent in the footwall; their general direction of plunge is similar, but the angle of plunge is much smaller.

The direction and angle of the diamond drill holes "X" and "Y" were so projected that more specific information on the continuity of the schist wedge, or "offshoot," would be available and to ascertain if the hanging-wall mica zone occurs at depth in the northeast end of the pegmatite. The logs of the diamond drill cores indicate a single pegmatite and a probable continuation of the hanging-wall mica zone. While sinking the inclined shaft along the footwall contact of the pegmatite no unusual structural irregularities were observed. In crosscutting to the hanging wall from the bottom of the shaft, however, a roll was intersected near the hanging wall (Fig. 2). The keel of this roll plunges 55° in a N. 40° to 50° E. direction. Small, irregular patches of schist occur in the walls and back of the crosscut and are interpreted as inclusions, but may be the bottoms of other rolls. A sharp-bottomed schist wedge was encountered in the back of the northeast drift near its midpoint. On the northeast face of this drift the wedge flattens and makes a gentle roll plunging 40° to 50° NE, in the hanging wall of the pegmatite.

The diamond drill cores and exploration work indicate that the zoning

in this part of the pegmatite is similar to the zoning in other parts of the pegmatite. However, the hanging-wall mica zone is discontinuous and is subject to more frequent and abrupt changes in thickness than in other parts of the pegmatite. It is believed that this variation in thickness and the discontinuity of the hanging-wall mica zone are directly related to the extreme irregularities along the hanging wall of the pegmatite. (See attached core logs).

The pegmatite has a border zone, a discontinuous wall zone, an intermediate zone, and a core. In general the border zone, 4 to 12 inches thick, is composed of fine- to medium-grained quartz, albite, muscovite, and accessory garnet and tourmaline. The discontinuous wall zone, zero to 3 feet thick, is composed of sheet-bearing muscovite, medium-grained quartz, and albite. This zone is 1-1/2 to 2 feet thick in the accessible parts of the old workings, 1 to 2 feet thick in the "offshoots," and zero to 2 feet thick in the recent exploratory workings. The intermediate zone is composed of medium- to coarse-grained quartz, albite, small amounts of perthite, and accessory tourmaline, biotite, and beryl. The core is discontinuous and has a maximum thickness of 2 to 3 feet. It consists of isolated quartz pods, 1 to 4 feet long, in the central part of the pegmatite. Muscovite books are unevenly distributed along the margins of the quartz pods.

## General Description and Occurrence of Muscovite Mica

Muscovite mica is unevenly distributed in both the hanging wall and footwall parts of the wall zone, but it is most abundant in the hanging wall part, in which the muscovite content is highest in shoots parallel to rolls in the hanging wall. In general the sheet muscovite is light to medium rum, hard, flat, ruled, and slightly stained. The muscovite books recovered during this contract are not as free-splitting or as flat as those mined in earlier operations, and

contain a larger amount of biotite and mineral stains. The average size of the books mined during this exploration (averaging 3 to 4 inches) is smaller than those mined earlier which were 4 to 5 inches. The largest book mined in 1952 was approximately 10 by 8 by 1-1/2 inches. In past operations larger and better quality mica books were mined along the margins of the quartz pods. Mica occurrences of this type have not been very frequent and none were encountered during the recent exploratory work.

The core from diamond drill hole "Z," which was drilled to determine the thickness of the pegmatite and the hanging-wall mica zone beyond the western limits of the old workings, indicated that the pegmatite continued at about the same thickness and with no apparent increase in the mica content in the hanging wall zone.

## Reserves

Approximately 2 tons of mine-run mica were recovered from 147 tons of pegmatite mined in the drift and crosscut, or 1.36 percent mine-run mica. Considering a 12-foot average pegmatite width, the underground work developed about 2,000 tons of pegmatite. Only the hanging wall part, which includes the mica-bearing zone, would be mined. Mining would thus produce about 1,500 tons of the best mica-bearing material which would yield about 20 tons of mine-run mica. If the 1,035 pounds of hand-cobbed mica recovered from 4,000 pounds of mine-run mica is a representative percentage, then, the reserve of hand-cobbed mica would be 5 tons. Unknown quantities of mine-run mica might be recovered between the inclined shaft and the old workings.

The 1,035 pounds of hand-cobbed mica was shipped to the Government Mica Purchasing Depot at Franklin, New Hampshire, with the following results:

Grading Results - Lot No. F38

| Grade | | Pounds |
|---|---|---|
| 5,5½,6 | Clear and slightly stained | 0.1561 |
| 5,5½,6 | Fair stained | 0.9998 |
| 4,5,5½,6 | Good stained | 8.2342 |
| 4,5,5½,6 | Stained, grade "A" | 7.4999 |
| 3,4,5,5½,6 | Stained, grade "B" | 4.2180 |
| 3,4,5,5½,6 | Heavy stained | 1.7967 |
| | Total usable . . . . . | 22.9047 |
| | Punch . . . . . | 410.0000 |
| | Scrap . . . . . | 595.0000 |
| | Total shipment . . . . | 1034.4827 |

Expenditures

| | | |
|---|---|---|
| Total approved | - | $14,500.00 |
| Total accepted cost of project by audit | - | 13,497.80 |
| Total paid to operator | - | 12,970.08 |
| Government's share of accepted costs | - | 12,148.02 |
| Overpaid to operator | - | 822.06 |
| Operator's check for Government's share of sale of equipment in which the Government retained an interest | - | 376.09 |
| Refund due the Government by operator | - | 445.97 |
| Value of production during operations | - | 310.50 |
| Government's royalty | - | None |

Efficiency of Operations

The operator was fairly efficient in surface work including the erection of a headframe for a self-dumping bucket, designed by a field team representative. Sinking was done at a reasonable cost per foot but cross-cutting and drifting costs were too high. There were no competent underground miners in the area who knew or could learn to drill a round. The operator was conscientious and hard working, having been at the mine at nearly all times when work was in progress.

## Equipment Purchased for Project

An inventory of equipment and supplies purchased is attached. At the close of the project no explosives or expendable supplies were on hand.

The Government has waived all interest in all the items with the exception of the following:

| | | |
|---|---|---|
| Item #1 | - 3 "Kenco" pumps | $268.50 |
| Item #2 | - 1 Packard Delco grinder | 57.60 |
| Item #3 | - 1 Joy Electric Hoist | 1,080.00 |
| Item #4 | - 1 General Electric switch | 352.80 |

The above equipment was offered for sale by newspaper advertising and by contacting mine operators and others who might be interested in the equipment. During a period of about six months only 2 bids were received. The operator then purchased these items for the amount of $505.15 which was $5.15 in excess of the highest bid.

W. T. Millar

W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

John B. Hanley
for Quentin D. Singewald, U. S. Geological Survey
Member, Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

College Park, Md.
January 25, 1954

Logs of diamond-drill holes
at the Atwood mica mine
West Rumney, N.H.

Subject to Revision

by

Glenn W. Stewart
U. S. Geological Survey

## Diamond-drill hole "x"

Altitude: 530.0 feet ± 5
Direction: S. 61° E.
Inclination: Minus 54°
Depth: 159.0 feet

| Depth, in feet | Description |
|---|---|
| 0.0 - 7.0 | Overburden |
| 7.0 - 29.0 | Fine to medium-grained quartz-biotite-sillimanite-muscovite schist.<br><br>The schist has distinct porphyroblasts of sillimanite which range from 1 to 15 mm. in length and average from 1 to 5 mm. in diameter. The porphyroblasts show almost all stages from complete alteration of sillimanite to muscovite to those which have remnants of fresh, pink sillimanite. All porphyroblasts appear to have a corona of biotite, having an average thickness of about 1 mm.<br><br>The angle between the diamond-drill hole and the foliation of the schist is 35° at 9 feet. |
| 29.0 - 29.5 | Fine-grained quartz-biotite-muscovite schist |
| 29.5 - 94.5 | Same rock as 7.0 - 29.0<br>Angle between diamond-drill hole and foliation is 45° at 56.0 feet<br>Angle between diamond-drill hole and foliation is 10° at 88.0 feet. |
| 94.5 - 95.0 | Same rock as 7.0 - 29.0<br>Sillimanite porphyroblasts much less conspicuous. Most of the sillimanite is in bladed, irregularly oriented crystals |
| 95.0 - 97.0 | Same rock as 7.0 - 29.0 |

Diamond-drill hole "x" (cont.)

| Depth, in feet | Description |
|---|---|
| 97.0 - 107.0 | Schist soaked with pegmatitic material and coarser-grained. In places muscovite grains enlarged to more than 2 mm. in diameter. |
| 107.0 - 109.1 | Schist soaked with pegmatitic material, having abundant feldspar and tourmaline |
| 109.1 - 109.3 | Biotite is very conspicuous and abundant in schist same as 7.0 - 29.0 |
| 109.3 - 122.0 | Dense, fine-grained quartz-biotite-garnet schist |
| 122.0 - 122.5 | Pegmatite stringers, contacts gradational and shows soaking of the schist |
| 122.5 - 123.0 | Fine to medium-grained quartz-biotite schist |
| 123.0 - 123.7 | Fine-grained plagioclase-quartz-tourmaline pegmatite. Footwall contact is sharp and makes an angle of 30° with the diamond-drill hole |
| 123.7 - 128.0 | Fine-grained quartz-biotite schist. Biotite becomes more abundant near hanging wall contact with main pegmatite |
| 128.0 - 151.9 | Pegmatite |

128.0 - 129.0 Fine-grained muscovite-quartz-plagioclase pegmatite with accessory biotite and garnet. Border zone. In places biotite and muscovite are intergrown. Angle between diamond-drill hole and hanging wall contact is 55°

129.0 - 131.4 Plagioclase-muscovite-quartz pegmatite with accessory garnet. Wall zone. Muscovite books between 129.8 and 130.7. Recovery too poor to estimate average size of books.

131.4 - 149.0 Plagioclase-quartz-muscovite-perthite pegmatite with accessory garnet and tourmaline. Core

149.0 - 150.7 Plagioclase-muscovite-quartz pegmatite. Wall zone. This footwall part of the wall zone is indistinct. Fingers, or inclusions, of schist 2 to 4 inches are present

Diamond-drill hole "x" (cont.)

| Depth, in feet | Description |
|---|---|
| | Pegmatite (cont.) |
| | 150.7 - 151.9 Muscovite-quartz-plagioclase pegmatite with accessory garnet. Border zone. |
| 151.9 - 154.0 | Quartz-biotite-muscovite-sillimanite schist, porphyroblasts not as conspicuous as in 7.0 - 29.0<br>Contact between pegmatite and schist makes an angle of 45° with the Diamond-drill hole |
| 154.0 - 159.0 | Same schist as 7.0 -29.0 |
| 159.0 | End of hole |

## Diamond-drill hole "y"

Altitude: 530.0 feet ± 5
Direction: S. 47° E.
Inclination: Minus 60°
Depth: 145.0 feet

| Depth, in feet | Description |
|---|---|
| 0.0 - 3.5 | Overburden |
| 3.5 - 58.0 | Quartz-biotite-muscovite-sillimanite schist<br>For detailed description see diamond-drill hole "x", 7.0-29.0 |
| 58.0 - 59.0 | Fine-grained quartz-biotite-muscovite schist |
| 59.0 - 84.0 | Same as 3.5 - 58.0 |
| 84.0 - 90.3 | Same schist as 3.5 - 58.0. Sillimanite crystals, 3 to 4 mm. long and ½ mm. thick, occur in an irregular pattern. In places biotite occurs in "knots" which are up to 5 mm. in diameter |
| 90.3 - 129.2 | Same schist as 3.5 - 58.0<br>One sillimanite porphyroblast is approximately 20 mm. long and has a maximum diameter of 5 mm.<br>Foliation more pronounced near hanging wall contact of main pegmatite<br>Angle between foliation and diamond-drill hole at 128.2 feet is 45° |
| 129.2 - 141-2 | Pegmatite |
| 129.2 - 130.1 | Fine-grained quartz-muscovite-plagioclase pegmatite with accessory garnet<br>Border zone.<br>Estimated mineral percentages: quartz, 65%, muscovite 25%, plagioclase 10% |
| 130.1 - 132.5 | Medium-grained plagioclase-quartz-muscovite-biotite pegmatite with accessory garnet. Wall zone<br>Mica "zone" from 131.5 - 132.0. Recovery too poor to estimated size of books<br>Estimated mineral percentages: Plagioclase 60%, quartz 30%, muscovite 8%, Biotite, 1-2% (?) |

Diamond-drill hole "y" (cont.)

| Depth, in feet | Description |
|---|---|
| | Pegmatite (cont.) |
| | 132.5 - 140.5 Medium-grained plagioclase-quartz-perthite-muscovite pegmatite with accessory garnet. Core. Estimated mineral percentages: Plagioclase 55%, quartz 30%, perthite 10%, muscovite 4%, biotite and garnet 1% |
| | 139.0 - 140.5 Medium-grained plagioclase-quartz-muscovite-biotite pegmatite. Wall zone. Estimated mineral percentages: plagioclase 60%, quartz 35% muscovite 5%, biotite 1-2% (?) |
| | 140.5 - 141.2 Fine-grained plagioclase-quartz-muscovite pegmatite. Border zone. Estimated mineral percentages: plagioclase 40%, quartz 40%, muscovite 20%. |
| 141.2 - 145.0 | Same schist as 3.5 - 58.0<br>Porphyroblasts not as abundant<br>Angle between diamond-drill hole and schist-pegmatite contact is 60°<br>At 142.2 angle between diamond-drill hole and foliation of schist is 50° |
| 145.0 | End of hole |

## Diamond-drill hole "z"

Altitude: 520 ± 5 feet
Direction: S. 10° E.
Inclination: Minus 60°
Depth: 101.0 feet

| Depth, in feet | Description |
|---|---|
| 0.0 - 9.0 | Overburden |
| 9.0 - 11.3 | Fine-grained quartz-biotite-muscovite schist |
| 11.3 - 21.8 | Dense, greenish amphibolitic rock containing a few garnets<br>Thin pegmatite stringers abundant in places along contacts of schist and amphibolitic rock |
| 21.8 - 33.8 | Quartz-biotite-muscovite schist. Sillimanite occurs in indistinct porphyroblasts and bladed crystals<br>Angle between diamond-drill hole and foliation is 45° |
| 33.8 - 58.5 | Dense to fine-grained, greenish amphibolitic rock. In places biotite lenses range from 4 to 6 inches thick containing garnet crystals up to 5 mm. in diameter. |
| 58.5 - 65.0 | Dense to fine-grained amphibolitic rock |
| 65.0 - 70.6 | Same as 58.5 - 65.0 In places quartz veins 2 to 3 inches thick |
| 70.6 - 73.5 | Fine-grained quartz-biotite-muscovite-garnet schist with accessory sillimanite. Two quartz lenses 3 to 4 inches thick<br>At 73.0 feet angle between diamond-drill hole and foliation is 55° |
| 73.5 - 78.2 | Dense to fine-grained amphibolitic rock containing lenses of biotite and quartz 1 inch thick. |
| 78.2 - 81.0 | Fine- to medium-grained quartz-biotite-muscovite-sillimanite schist |
| 81.0 - 85.4 | Dense amphibolitic rock with several quartz lenses up to 2 inches thick. In places rock is rich in biotite and becomes schistose |
| 85.4 - 92.7 | Medium-grained quartz-biotite-muscovite sillimanite schist with accessory garnet |
| 92.7 - 94.5 | Fine- to medium-grained quartz-muscovite-plagioclase pegmatite with accessory garnet and apatite<br>Angle between hanging wall contact and diamond-drill hole is 60° |
| 94.5 - 94.6 | Lense of partly soaked schist or hanging wall of main pegmatite. Pegmatite from 92.7 - 94.5 may be part of the main pegmatite(?) |
| 94.6 - 100.4 | Pegmatite |

| | | |
|---|---|---|
| 94.6 - 100.4 | Pegmatite | |
| | 94.6 - 95.2 | Fine-grained quartz-muscovite-plagioclase pegmatite with accessory garnet and apatite. Border Zone |
| | 95.2 - 99.8 | Medium-grained plagioclase-quartz-muscovite pegmatite with accessory garnet. Wall zone.<br>Small muscovite books between 95.2 and 95.5 (hanging wall mica zone)<br>Small muscovite books between 99.4 and 99.8 (footwall mica zone) |
| | 9918 - 100.4 | Fine-grained quartz-musocvite-plagioclase pegmatite with accessory garnet and apatite. Border zone. |
| 100.4 - 101.0 | Fine-grained amphibolitic rock rich in biotite at contact<br>Angle between footwall contact and diamond-drill hole is 65° | |
| 101.0 | End of hole | |

## Notes and Comments

Diamond-drill holes located by tape and brunton compass from known point at base of old derrick (which is still in place).

Elevations of diamond-drill hole were determined by contour lines and are therefore only approximate.

In hole "x" the hanging wall mica "zone" is about 1 foot thick. Recovery of mica was poor and the size of the books could not be determined. The quality is estimated to be fair to good. The mica "zone" appears to be absent in the footwall part of the wall zone at this place.

In hole "y" the hanging wall zone contained a mica "zone" about 6 inches thick. The size of the books is unknown. The quality of the mica is believed to be fair. No mica "zone" occurs in the footwall part of the wall zone where it is intersected by hole "y".

In hole "z" mica "zones" occur in both the hanging wall and footwall parts of the wall zone, but they are not more than 4 inches thick, where intersected. The quality of the mica is fari to good.

| | Amount of pegmatite cut by drill hole | True thickness (estimated) |
|---|---|---|
| Hole "x" | 22 feet | 12 feet |
| Hole "y" | 12 " | 10 " |
| Hole "z" | 6 " | 5 " |

# INVENTORY--ATWOOD MINE

| | | |
|---|---|---|
| | **EQUIPMENT** | |
| 1. | 3 KENCO 1/3 HP 110-1-60 Electric pumps 1¼" discharge @ 89.50 | 268.50 |
| 2. | 1 CR 200 Packard Delco Grinder mod.S7427 110-1-60 | 57.60 |
| 3. | Joy electric hoist 220-3-60 10 HP mod.DF113#24521 | 1080.00 |
| 4. | 1 skip, special 4 x 2 x 2 w/ bail | 109.42 |
| 5. | 1 24" sheave, grooved for ½" rope, w/ bearings | 77.00 |
| 6. | 45' 24" gauage track w/ ties, and truck | 51.00 |
| | **FACILITIES** | |
| 7. | Compressor shack | 390.51 |
| 8. | Headframe and track | 347.51 |
| 9. | Hoist shack | 24.15 |
| | **PIPE AND FITTINGS** | |
| 10. | 200' 2" Carlon pipe ) | |
| | 2 2" Carlon pipe x 2" IS adapters ) | |
| | 2 2" CI caps ) | 111.04 |
| 11. | 1 ¾" male cplg | 1.20 |
| 12. | 150' 1½" Carlon pipe | |
| | 1 1½" Carlon adapter | 43.55 |
| 13. | 1 3/8" brass gate | 3.00 |
| 14. | 2 3/8 x 3 gal nips | .14 |
| 15. | 1 3/8 gal union | .42 |
| 16. | 1 1½ x 8 gal nip | .31 |
| 17. | 1 2 x 1½ bushing | .31 |
| 18. | 1 ½ x 2 gal nip | .07 |
| 19. | 1 3/8 x 3 gal nip | .07 |
| 20. | 1 ½ x 3/8 gal cplng | .16 |
| 21. | 2 ½" brass hose nips | .90 |
| 22. | 1 ½ gal union ) | |
| 23. | 1 1½ " " ) | 1.37 |
| 24. | 2 5/8 hose clips | .42 |
| 25. | 100' 5/8" garden hose | 12.00 |
| 26. | 2 5/8" hose clamps | .20 |
| 27. | 1 ¾" cplng | .30 |
| 28. | 60' 1½" gal pipe | 18.00 |
| 29. | 120' 2" gal ppipe | 60.00 |
| 30. | 60' ¾" gal pipe | 12.00 |
| 31. | 1 ¾" globe valve | 3.70 |
| 32. | ¾ x 6" gal nip | .32 |
| | **ELECTRICAL STOCK** | |
| 33. | 1 #27135 H&H switch 220-3-60 | 28.60 |
| 34. | 1 GE CR1034 switch 220-3-60 | 352.80 |
| 35. | #10 & #12 TW copper single strand wire, sockets | 41.42 |
| 26. | 4 sockets and holder, Stonco Mfg Co | 9.94 |
| 27. | Bell stock and wire | 11.69 |
| | **TOOLS** | |
| 28. | 1 5' 2 handle saw | 4.85 |
| 29. | 1 drift pick | 3.17 |
| 30. | 1 pick mattock | 1.56 |
| 31. | 2 pick handles @ .56 | 1.12 |
| 32. | 2 LH shovels @ 2.48 | 4.96 |
| 33. | 1 5' crow bar | 4.60 |
| 34. | 1 18" Stillson | 2.83 |
| 35. | 1 24" " | 4.89 |
| 36. | 1 36" " | 10.30 |
| 37. | 1 10" Westcott | 2.00 |

INVENTORY-ATWOOD MINE concl.

| | | |
|---|---|---|
| 38. | 1 24" square | $ 3.52 |
| 39. | 1 hoe | 1.88 |
| 40. | 1 hammer, carpenter | 1.40 |
| 41. | 1 100' metallic tape | 13.60 |
| 42. | 1 24" wood level | 2.94 |
| 43. | 1 D handle RF short shovel | 2.48 |

MISCELLANEOUS.

| | | |
|---|---|---|
| 44. | 4 Blasting helmets @ 3.00 | 12.00 |
| 45. | 10' ¼" air hose, cpld | 7.61 |
| 46. | 25' ditto | 13.84 |
| 47. | 50' ditto | 24.84 |
| 48. | 50' 5/8" rope | 3.54 |
| 49. | 3½ lbs. 5/8" rope | 2.17 |
| 50. | 2 pr neoprene pamts | 14.16 |
| 51. | 200' 2 x 2 x 1/8" steel angle | 41.71 |

Copies made at C. P. for
W. T. Millar
H. L. Burmeister
Mr. Selfridge, Chairman, DMEA Operating Committee (C O P Y)
Contract & Audit Division, DMEA
R. W. Stahl, Pgh.

DOCKET COPY

17 Garden Lane
Cape Cottage 8, Maine
November 17, 1953

[DMEA-2129, Idm-E256]

Mr. F. R. Kantner, Administrative Assistant
Bureau of Mines
College Park, Maryland

Dear Mr. Kantner:

This will acknowledge receipt of your letter of November 10th. Your letter of September 30th was acknowledged by my letter to whom I had previously addressed all correspondence in connection with the Atwood Mine.

The accounting procedure outlined in your method of settlement was the first indication I had that there was any money due the Government under the contract. After discussing the matter with Mr. Burmeister I still do not understand where there is a difference. In going in to this from a new viewpoint, it necessarily takes considerable time to review the past records and to follow the new line of reasoning. Unfortunately for me, my time for the past six months has been devoted continuously to some construction work which must be started and finished before the close of the present construction season. This involves about a mile of water line with two river crossings at Richmond and I have been head over heels in it to the exclusion of everything else.

As soon as possible I will tackle this problem; it would be useless to write a few haphazard thoughts on the matter; if I had the money, I would certainly not hesitate to pay this amount as all concerned on the part of the Government have been most helpful throughout. It is this fact which makes the matter doubly troublesome. However, I have left over from this operation many debts and bills which I am trying to pay off on a monthly basis. You may understand my concern in the matter accordingly. When all bills submitted to the government have been paid and I still owe so much other money in connection with the mine and the work was done in accordance with all suggestions and to the best of everyone's ability and there was no inkling of change in settlement indicated, you will see that I must give the matter complete attention and analysis.

I shall be in touch with you as soon as it is humanly possible for me to give this the time it requires.

Very truly yours,

/s/ Richard N. Berry

Richard N. Berry

DOCKET COPY

November 10, 1953

Mr. Richard W. Berry
17 Garden Lane
Cape Cottage, Maine

Dear Mr. Berry:

A reply has not been received to our letter of September 30, relative to a refund of $445.97 due the Government under Contract Idm-E256, Docket DMEA-2129.

It is understood that the above matter and our letter were discussed with you on October 22, by Mr. W. L. Burmeister, DMEA Engineer of this office, while on an official trip to the New England states.

So that the files on Contract Idm-E256 may be completed, refund of the amount due should be submitted promptly to this office.

Very truly yours,

F. R. Kantner
Administrative Assistant

FRKantner:js

Copy to: Mr. W. T. Miller
Mr. W. L. Burmeister
Mr. R. W. Stahl, Pgh.
Mr. Selfridge, Chairman, DMEA, Operating Committee
Contract & Audit Division, DMEA
F. R. Kantner
1. Mr. Ambrose 2. C.P. Files

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV - 2 1953

xxxxxxxxxxxxxxxxxx
College Park, Maryland

October 28, 1953

Memorandum

To: W. T. Millar, Exec. Officer, DMEA, Region VIII

From: H. L. Burmeister, Engineer

Subject: Docket DMEA-2129X - (Mica)
Richard N. Berry, Atwood Mine
West Rumney, New Hampshire
Contract No. Idm-E256

As a result of Mr. Berry's request for further explanation of the financial status of the subject contract, he was interviewed in Cape Cottage, Maine on October 22, 1953.

Mr. Kantner's letter to Mr. Berry under date of September 30 was completely reviewed in the light of the auditor's Report of Review of September 16, 1953.

Mr. Berry again agreed that he had full knowledge of the unit cost basis under which Stage IV of the Amended Contract operated. He also agreed that he had written a letter to this effect. Mr. Berry stated that in spite of this it was in his mind that he might spend up to the total amount of the Contract. There was no question by Mr. Berry regarding the accuracy of footage advanced as reported by the engineer.

Mr. Berry suggested that he would write Mr. Kantner and upon request for the engineer's opinion was told that the auditor's report was the controlling factor and that further postponement of settlement would not change the facts of the report.

In the opinion of the engineer, Mr. Berry is fully aware of the accuracy of the audit and is attempting to postpone his obligation.

H. L. Burmeister

H.L.B.

H.L.B:rwa

copy for Mr. GeoCSelfridge, Chrm., DMEA Oper. Comm. ✓
DMEA Files

DOCKET COPY

September 30, 1953

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Dear Mr. Berry:

Receipt is acknowledged of check payable to the Treasurer of the United States, in the amount of $376.09, resulting from disposition of the Government's interest in certain project property for a sum of $505.15, under Contract Idm-E256, Docket DMEA-2129, transmitted with your letter of August 25, to Mr. W. T. Millar, DMEA Executive Officer at this station.

A Report of Review on the above contract by the DMEA Auditor, dated September 16, 1953, discloses the following:

| | | |
|---|---|---|
| Total cost as billed by Contractor | | $14,653.73 |
| Less proceeds from property disposition | | 505.15 |
| Net costs claimed | | $14,148.58 |
| Exceptions: | | |
| By DMEA Finance Officer | $1.51 | |
| Per attached schedule | 649.27 | 650.78 |
| Total Accepted Cost | | $13,497.80 |
| Total paid to Contractor | | $12,970.08 |
| Government participation: | | |
| 90% of Total Accepted Cost | | 12,148.02 |
| Overpaid by Government to Contractor | | $822.06 |
| Less check submitted by Contractor | | 376.09 |
| Refund due Government | | $445.97 |

In view of the above, check made payable to the Treasurer of the United States, in the amount of $445.97, should be submitted to this office.

Very truly yours,

F. R. Kantner
Administrative Assistant

FRKantner:js

Copy to: Mr. W. T. Millar
Mr. Selfridge, Chairman, DMEA Operating Committee
Contract Adm. & Audit Division, DMEA
F. R. Kantner

## SCHEDULE OF EXCEPTIONS

Richard N. Berry — Idm-E256, DMA-2129

1. The contract, as amended, provides that effective November 5, 1952, the Government's contribution shall be on an "agreed unit costs" basis. The Operator, however, billed on a "cost incurred" basis. Exceptions for the difference are made as follows:

Actual Costs----

| | | |
|---|---|---|
| Labor: Payroll for period November 5 to 30 | $687.00 | |
| Payroll for period December 1 to 6 | 181.60 | |
| Supervision: 21/24th of $300 charged in November | 262.50 | |
| 1 week charged in December | 75.00 | |
| Explosives purchased after November 4 | 129.81 | |
| Other Supplies purchased after November 4 | 13.60 | |
| Power: 9/69th of billing for Sept. 5 to November 13 | 15.03 | |
| Billing for period after Nov. 13 | 104.40 | |
| Equipment Rental, 26/30ths of Nov. charge | 225.33 | $1,694.27 |

Agreed Unit Costs----

| | |
|---|---|
| 30' @ $35.00 ft. during the period of November 5 to 30 (per DMEA Field Report, dated March, 19, 1953, from H. L. Burmeister, Mining Engineer) | 1,050.00 |
| Difference disallowed | 644.27 |

2. Other Exceptions:

| | |
|---|---|
| Deposit with application for electric service, June 13, 1952 | 5.00 |
| Total exceptions as result of this review | $ 649.27 |

3. Prior exceptions by Certifying Officer:

| | |
|---|---|
| Error in computation of August 30 payroll | 1.51 |
| Total Exceptions | $ 650.78 |

/s/ E. D. Talbert
Auditor

September 16, 1953

FILE COPY
SURNAME:

Talbert

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

SEP 17 1953

Mr. W. T. Miller
Executive Officer
DMEA Field Team, Region VIII
Eastern Experiment Station
College Park, Maryland

Dear Mr. Miller:

Enclosed herewith are the originals and two copies of Reports of Review on the following projects:

| | | |
|---|---|---|
| Idm-2256 | DMEA-2129 | Richard N. Berry |
| " 441 | " 2596 | Alstead Mica Mineral, Inc. |

These two Reports of Review which have been issued as a result of my visit to your office September 16, 1953, should be distributed in accordance with the provisions of Sec. 3 to Supl. No. 4 of DMEA Circular 19.

It should be noted that Mr. Berry has been paid $12,970.08 and has refunded $376.09, making a net Government contribution to date $12,593.99. Since my review indicated that the proper payment for this project should be $12,148.02, it will be necessary for you to obtain an additional refund from the Operator.

Sincerely yours,

(Signed) E. D. Talbert

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

Enclosure

EDTalbert/wb
September 17, 1953

Copy to: Docket
Admr. Reading File
Mr. Chambers

R.C.G.
9-17-53

College Park, Maryland

September 16, 1953

Memorandum

To: F. R. Kantner, Finance Officer, DMEA, Region VIII

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-2129X - (Mica)
Richard N. Berry, Atwood Mine,
W. Rumney, Grafton County, New Hampshire
Contract No. Idm-E256

Attached is check No. 3913, bank code $\frac{53-160}{113}$, by Richard N. Berry, payable to the Treasurer of the United States in the amount of $376.09, as a settlement for the sale of equipment purchased under the subject contract.

W. T. Millar

Enclosure - 1

WTM:rwc

copy for GeoOldfridge, Chrm., Oper. Comm., DMEA
DMEA Files 2

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
[illegible] 3 1954

August 2[illegible], 1[illegible]3

r. [illegible]. [illegible]illar, Executive Officer
Bureau-Survey Field [illegible]
Defense [illegible]inerals Exploration
[illegible]ministration, Region V[illegible]
College Park, [illegible]arylan[illegible]

[illegible] 212[illegible]-[illegible] [illegible] 6.25[illegible]
Atwood [illegible]ine
West [illegible]uney, N.H.

ear [illegible]r. [illegible]illar:

[illegible]nclose[illegible] is the [illegible]inal [illegible]rogress [illegible]eport covering work [illegible]one at the above location. Also enclose[illegible] is a check in [illegible]settl[illegible]ent of the total expenses [illegible]nder the contract an[illegible] also the sale of the equip[illegible]ent.

[illegible]t will be note[illegible] that a[illegible]just[illegible]ent has been [illegible]a[illegible]e in the a[illegible]ount of [illegible]120 covering the actual cost of the [illegible]inch against the reporte[illegible] cost on the July, 1[illegible]52 voucher. [illegible]his a[illegible]justment [illegible]as [illegible]ade on the final report as suggeste[illegible] an[illegible] appears as a cre[illegible]it in the [illegible]onthly expense colu[illegible]n un[illegible]er [illegible]urchase, [illegible]perst-[illegible]ing [illegible]quip[illegible]ent.

[illegible]he final settlement a[illegible]ount [illegible]s as follows:

| | | | |
|---|---|---|---|
| Sale of equip[illegible]ent-grin[illegible]er | | 18.00 | |
| | Pumps | 80.00 | |
| | Hoist | 307.00 | |
| | Switch | 100.1[illegible] | 1[illegible]5.19 |
| Less 10% | | | [illegible]0.51 |
| [illegible]ue govt. on sale | | | [illegible]54.64 |
| Less a[illegible]ount [illegible]ue operator on [illegible] F 104(final) | | | 7[illegible].55 |
| A[illegible]ount [illegible]ue govern[illegible]ent | | | 37[illegible].09 |

[illegible]f yo[illegible] wish any clarification [illegible]f these or any other [illegible]etails in connection [illegible]ith [illegible]he above con[illegible]ract please contact [illegible]e.

[illegible] [illegible]oul[illegible] like to ex[illegible]ress appre[illegible]iation for the [illegible]ssistance re[illegible]ere[illegible] by your office an[illegible] by Glenn [illegible]tewart [illegible]uring the various phases of the work [illegible]one un[illegible]er this contract. [illegible]hile the re[illegible]ults were of a negative nature, the prosecution of [illegible]he [illegible]ork [illegible]as [illegible]one un[illegible]er har[illegible]onious con[illegible]itions [illegible]ith every [illegible]ossible [illegible]ssistance ren[illegible]ere[illegible] on the part of the government.

Cor[illegible]ially yours

DMEA
Summary Report
June 30, 1953

| | |
|---|---|
| Operator: | Richard N. Berry |
| Address: | 17 Garden Lane, Cape Cottage, Maine |
| Mine & Location: | Atwood Mine, W. Rumney, New Hampshire |
| Docket No.: | DMEA-2129 |
| Contract No.: | Idm-E256 |
| Commodity: | Mica |
| Total Cost: | $14,500.00 |
| Government Participation: | 90% - $13,050.00 |
| Duration of Contract: | February 18, 1952 to February 1, 1953 |

The purpose of this contract was to explore for strategic mica. Work under this contract was completed in December 1952 and consisted of 405 feet of diamond drilling, unwatering the old workings, 60 feet of shaft sinking, and 47 feet of drifting and crosscutting.

Although mica of strategic quality was recovered during the exploration, final results indicated that the percentage of marketable products is too low for an economically successful operation.

An interim report by the Field Team was submitted. The operator's final report has been delayed pending sale of jointly owned equipment purchased under this contract. After disposition of the equipment the final report by the Field Team will be prepared.

DOCKET COPY

College Park, Maryland

June 12, 1953

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Subject: Docket DMEA-2129X - (Mica)
Contract Idm-E256
Atwood Mine
Grafton County, N. H.

Dear Mr. Berry:

This office is in receipt of copies of two bids sent you for the purchase of equipment purchased under the subject contract, and in which the Government retains an interest.

These bids are each for the purchase of the entire lot of equipment, including, one hoist, three pumps, one grinder and one General Electric switch specified and described in our letter to you under date of March 10, 1953. The bid from the Golding-Keene Company, Keene, New Hampshire, was in the amount of 250.00, and the other bid from the New Hampshire Mining Company, 16 Liberty Street, Franklin, New Hampshire was in the amount of 500.00.

This letter authorizes you to accept the 500.00 bid by the New Hampshire Mining Company, which is acceptable to the Government.

Very truly yours,

H. L. Burmeister, acting for
W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

HLB:rwa

copies for GeoCSelfridge, Chrm.,DMEA Oper. Comm.
FRKantner, Fin. Off., Reg. VIII
DMEA Files - 2

P.S. Your letter of June 10, received after this letter was typed and before mailing.

In view of the time already past and the lack of previous bids it is still considered best to accept the bid for $500.00 submitted by the New Hampshire Mining Company.

HLBurmeister

College Park, Maryland

June 8, 1953

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Subject: Docket DMEA-2129X
Contract Idm-E256

Dear Mr. Berry:

On June 2, 1953 the undersigned visited the Atwood mine to inspect the equipment used in the exploration work under the subject contract and in which the Government retains an interest.

The writer was accompanied by Mr. J. Gemmel and Mr. J. D. Dennis of the Golding-Keene Company, who wished to inspect this equipment and possibly submit a bid to you for its purchase.

As the compressor house was locked we were attempting to see through the cracks and came upon the hiding place of the padlock key. On entering it was found that the General Electric switch was in good condition. Only one of the Kenco electric pumps was found and the electric grinder was missing. There was no evidence that the place had been entered or ransacked. The electric hoist is in excellent condition under its separate cover.

The garage owner in West Rumney informed us that the grinder was being used by one of the neighboring mines.

Please inform this office regarding the location of the missing items of equipment and why they are not on the property. These items must be available when a bid for their purchase is accepted.

Very truly yours,

H. L. Burmeister, acting for
W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

HLB:rwa

copies for GeoCSelfridge, Chrm. Oper. Comm. - 4
JBHanley, USGS
FRKantner, Fin. Off.
DMEA Files - 2

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

June 8, 1953

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-2129X - (Mica)
Richard N. Berry, Atwood Mine
West Rumney, Grafton County, New Hampshire

Transmitted herewith in quadruplicate is H. L. Burmeister's Field Inspection Report of June 2, 1953, on subject contract.

H. L. Burmeister, acting for
W. T. Millar

Enclosures - 4

JUN 1953

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
June 2, 1953

| | |
|---|---|
| Operator: | Richard N. Berry, 17 Garden Lane, Cape Cottage, Maine |
| Mine & Location: | Atwood Mine, West Rumney, N. H. |
| Docket No.: | DMEA-2129X |
| Contract No.: | Idm-E256 |
| Commodity: | Mica |
| Total Cost: | $14,500.00 |
| Government Participation: | 90% - $13,050.00 |
| Duration of Contract: | Feb. 18, 1952 to Feb. 1, 1953 |

The operator has not submitted his final report on this project due to his expressed inability to dispose of the equipment in which the Government retains an interest.

The Field Team has given Mr. Berry every possible aid in suggesting possible purchasers. The visit on June 2, 1953 was made to again check on the location and condition of the equipment in which the Government retains an interest. These items of equipment together with their cost price are listed below:

| | | |
|---|---|---|
| 3 - Kenco electric water pumps, 1/3 h.p. - 110 volt, 1-60 | - | $ 268.50 |
| 1 - CR 200 Packard Delco grinder, Model S7427-110 volt | - | 57.60 |
| 1 - Joy electric single drum hoist, Model DF113 #24521, 220 volt, 3-60, 10 h.p. | - | 1080.00 |
| 1 - General Electric switch, 220 volt, 3-60 | - | 352.80 |

The engineer had previously contacted Mr. J. Gemmel, Manager of the Golding-Keene Co., Keene, N. H., and Mr. William Alexander, Manager of the Nichols Mine and agent for Alstead Mica Miners, Inc. Both Mr. Gemmel and Mr. Alexander assured the engineer that they would submit bids for the above listed equipment. It was arranged that a copy of the bids would be sent to the Executive Office. Mr. Alexander submitted a bid several days past and a bid is expected from the Golding-Keene Co. daily.

On inspection at the mine, the hoist and electric switch were found to be in excellent condition and well housed. Two of the three Kenco pumps were missing as was the electric grinder. It was learned from the operator of a West Rumney garage that the grinder had been loaned to or at least was in the possession of one of the local mines.

Attached find a copy of a letter to Mr. Berry requesting an explanation of why some of the equipment is missing.

H. L. Burmeister
Mining Engineer

College Park, Md.
June 8, 1953

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

April 28, 1953

Looks like termination planned

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-2129X - (Mica)
Atwood Mine, Grafton County, New Hampshire
Operator: Richard N. Berry
Contract No. Idm-E256

Transmitted herewith in quadruplicate is an Interim Report by the DMEA Field Team, Region VIII, on subject contract.

W. T. Millar

W. T. Millar

Enclosures - 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1953

In view of O. per. Com. memo 18, we should write Mr Millar approving termination if this is what he may have planned for remaining funds
JRF

# INTERIM REPORT

DMEA Docket No. 2129X - (Beryl-Mica)

Contract No. Idm-E256

Atwood Mine
Grafton County, New Hampshire
Operator: Richard N. Berry, 17 Garden Lane, Cape Cottage, Maine

by

Defense Minerals Exploration Administration
Field Team, Region VIII

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1953

April 24, 1953

# INTERIM REPORT

DMEA Docket No. 2129X - (Mica-Beryl)

Contract No. Idm-E256

Atwood Mine, West Rumney, Grafton County, New Hampshire

Operator: Richard N. Berry, 17 Garden Lane, Cape Cottage, Maine

## Introduction

The Atwood mica mine, formerly known as the General Electric Co's mine, is in the town of Rumney, 0.5 mile N. 75° W. of the village of West Rumney, Swainboro Station, on the Boston and Maine Railroad. The mine may be reached from West Rumney by following State Highway No. 25 northwest for 0.4 mile to a woods road on the left; turn left and follow the woods road 0.2 mile southwest to a point below the mine.

## Summary

Exploration under this contract was conducted in three stages as follows:

Stage I - Diamond core drilling 3 holes totaling 405 feet.

Stage II - Unwatering and cleaning out the old workings.

Stage III - Extending an inclined shaft 60 feet from the bottom of the old workings and 42 feet of crosscutting and drifting. ?

Indications from Stage I and II were favorable. However, the exploration under Stage III produced 147 tons of pegmatitic material which yielded only two tons or 1.36 percent of mine-run mica, from which 1/2 ton of hand-cobbed mica was recovered. The feldspar was insignificant and hand-sorted beryl amounted to only five pounds.

Underground exploration failed to expose workable deposits of strategic mica and the geological indications are unfavorable for occurrences of strategic mica similar to the concentration mined during former operations. There is no evidence of any gradational change between the more or less uniform strike and dip of the hanging wall in the old workings and the irregularities in the eastern half of the pegmatite which was explored under this contract.

## Conclusions

Considering the recovery of only two tons of mine-run mica from 147 tons of pegmatitic material mined and no other marketable minerals of consequence, as well as unfavorable geological indications, production from this deposit is not considered as economically feasible at this time.

Further exploration work might possibly be successful but it is the opinion of the Field Team that present indications do not justify further participation by the Government in exploring this deposit.

## Recommendations

In view of the results from this exploration, the Field Team recommends the Government's withdrawal of support in exploring this deposit. Furthermore, the Field Team does not consider that certification of this deposit for discovery or development is justified.

## Old Mine Workings

Prior to 1952 the main operation was an open pit 160 feet long and 20 to 30 feet wide and including both accessible and inaccessible underground workings. At the northeast end of the pegmatite two open stopes are connected by a short-crosscut (see mine plans of the 462-foot contour level on the original 1944 map). The northeast stope is almost vertical and is about 50 feet long, 5 to 10 feet wide, and 20 to 50 feet high. The larger open stope, 65 feet long, 20 to 40 feet deep,

and 10 to 16 feet wide, is inclined and its floor slopes about 15° northwest toward the crosscut into the northeast stope. Approximately 60 feet below the rim of the pit a 5 by 7-foot drift extends 10 feet northeastward beyond the face of the old workings. The old workings are partly backfilled, and in general, are inaccessible.

## Description of Work under this Contract

Exploratory work completed under this contract was conducted in three stages. Operations started on May 14, 1952 and were completed December 6, 1952.

Stage I consisted of diamond core drilling. The drilling was subcontracted to the Joy Manufacturing Company of Michigan City, Indiana. The equipment arrived on May 14, 1952 and completed drilling on May 23, 1952. A total of 405 feet was drilled in three holes from the hanging wall side to prove the continuity of the pegmatite with depth and lateral extension to the east. The drill cores were logged by a representative of the Field Team and the indications were sufficiently favorable to justify continuing the exploration under Stage II.

Stage II consisted of unwatering and cleaning out the old workings in the eastern part of the pegmatite for further examination of the deposit. This examination indicated the possibility of strategic mica continuing to a greater depth. Then underground exploration under Stage III was authorized.

Stage III included erecting a small timber headframe 20 feet high and installing an electrically driven compressor and hoist. Power was made available by the New Hampshire Electric Cooperative, without charges for extending the power line.

The following underground work was done: Between August and December 1952, a 5 by 7-foot inclined shaft, 60 feet deep plus the sump, was sunk from the floor of the open-cut near the east end (see accompanying map, plans and cross-sections). The floor of the inclined shaft follows the footwall contact between the pegmatite

and the schist. From the bottom of the inclined shaft, a 5 by 7-foot crosscut was driven northward for 12 feet to the hanging wall of the pegmatite. A 6 by 7-foot drift was driven northeasterly along the hanging wall contact for approximately 30 feet beyond the east face of the crosscut. The floor of the crosscut and drift is approximately 82 feet vertically below the south rim of the open stope.

## General Geology of the Pegmatite

The Atwood pegmatite has an exposed strike length of 240 feet. However, a pegmatite outcrop occurs east of and along the strike of the easternmost exposure in the pit, and may extend its strike length by 120 feet. The pegmatite ranges from 3 feet to 20 feet in thickness, but generally is 10 to 12 feet thick. It strikes irregularly eastward, dips from 30° N. to vertical, and plunges northwesterly. The contacts of the pegmatite are approximately parallel to the foliation of the wall rock, which is a quartz-sillimenite schist. In places the pegmatite is sharply discordant.

An offshoot of the main pegmatite was described in the DMEA field inspection report of November 1, 1952, as striking approximately N. 40° E. and dipping almost vertically. As a result of the recent diamond drilling and underground exploration, it may be advisable to refer to this "offshoot" as a tongue-like projection of the pegmatite along the hanging wall, or as a narrow bulge or roll. The keel of the schist wedge separating the "offshoot" from the main pegmatite plunges 40° in a N. 30° to 35° E. direction. Its crest is exposed in the roof of the northeast face of the northeast stope where it plunges 30° to 60° NE. Sharply defined rolls occur along the hanging wall in the accessible parts of the old workings. Similar, but less sharply defined rolls, occur along the hanging wall of the "offshoot". The plunge of these rolls varies with the dip of the pegmatite, from approximately 40° in the old workings to 90° in the northeast stope. The average plunge of the hanging wall rolls is between 60° and 70°. Counterparts

of the hanging wall rolls are much less prominent in the footwall; their general direction of plunge is similar, but the angle of plunge is much smaller.

The direction and angle of the diamond drill holes "X" and "Y" were so projected that more specific information on the continuity of the schist wedge, or "offshoot", would be available and to ascertain if the hanging-wall mica zone occurs at depth in the northeast end of the pegmatite. The logs of the diamond drill cores indicated a single pegmatite and a probable continuation of the hanging-wall mica zone. While sinking the inclined shaft along the footwall contact of the pegmatite no unusual structural irregularities were observed. In crosscutting to the hanging wall from the bottom of the shaft, however, a roll was intersected near the hanging wall (see plans of crosscut and drift on accompanying map). The keel of this roll plunges 55° in a N. 40° to 50° E. direction. Small, irregular patches of schist occur in the walls and back of the crosscut and are interpreted as inclusions, but may be the bottoms of other rolls. A sharp-bottomed schist wedge was encountered in the back of the northeast drift near its midpoint. On the northeast face of this drift the wedge flattens and makes a gentle roll plunging 40° to 50° NE, in the hanging wall of the pegmatite.

The diamond drill cores and exploration work indicate that the zoning in this part of the pegmatite is similar to the other parts. However, the hanging-wall mica zone is discontinuous and is subject to more frequent and abrupt changes in thickness than in other parts of the pegmatite. It is believed that this variation in thickness and the discontinuity of the hanging-wall mica zone are directly related to the extreme irregularities along the hanging wall of the pegmatite.

The pegmatite has a border zone, a discontinuous wall zone, an intermediate zone, and a core. In general the border zone, 4 to 12 inches thick, is composed of fine- to medium-grained quartz, albite, muscovite, and accessory

garnet and tourmaline. The discontinuous wall zone, zero to 3 feet thick, is composed of sheet-bearing muscovite, medium-grained quartz, and albite. This zone is 1-1/2 to 2 feet thick in the accessible parts of the old workings, 1 to 2 feet thick in the "offshoots", and zero to 2 feet thick in the recent exploratory workings. The intermediate zone is composed of medium- to coarse-grained quartz, albite, small amounts of perthite, and accessory tourmaline, biotite, and beryl. The core is discontinuous and has a maximum thickness of 2 to 3 feet. It consists of isolated quartz pods, 1 to 4 feet long, in the central part of the pegmatite. Muscovite books are unevenly distributed along the margins of the quartz pods.

## General Description and Occurrence of Muscovite Mica

Muscovite mica is unevenly distributed in both the hanging wall and footwall parts of the wall zone, but it is most abundant in the hanging wall part, in which the muscovite content is highest in shoots parallel to rolls in the hanging wall. In general the sheet muscovite is light to medium rum, hard, flat, ruled, and slightly stained. The muscovite books recovered during this contract are not as free-splitting or as flat as those mined in earlier operations, and contain a larger amount of biotite and mineral stains. The average size of the books mined during this exploration (averaging 3 to 4 inches) is smaller than those mined earlier which were 4 to 5 inches. The largest book mined in 1952 was approximately 10 by 8 by 1-1/2 inches. In past operations larger and better quality mica books were mined along the margins of the quartz pods. Mica occurrences of this type have not been very frequent and none were encountered during the recent exploratory work.

The core from diamond drill hole "Z", which was drilled to determine the thickness of the pegmatite and the hanging wall mica zone beyond the western limits of the old workings, indicated that the pegmatite continued at about the

same thickness and with no apparent increase in the mica content in the hanging wall zone.

## Reserves

Approximately 2 tons of mine-run mica were recovered from 147 tons of pegmatite mined in the drift and crosscut, or 1.36 percent mine-run mica. Considering a 12-foot average pegmatite width, the underground work developed about 2,000 tons of pegmatite. Only the hanging wall part, which includes the mica-bearing zone, would be mined. Mining would thus produce about 1,500 tons of the best mica-bearing material which would yield about 20 tons of mine-run mica. If the 1,035 pounds of hand-cobbed mica recovered from 4,000 pounds of mine-run mica is a representative percentage, then, the reserve of hand-cobbed mica would be 5 tons. Unknown quantities of mine-run mica might be recovered between the inclined shaft and the old workings.

The 1,035 pounds of hand-cobbed mica was shipped to the Government Mica Purchasing Depot at Franklin, New Hampshire, with the following results:

Grading Results - Lot No. F38

| Grade | | Pounds |
|---|---|---|
| 5,5½,6 | Clear and slightly stained | 0.1561 |
| 5,5½,6 | Fair stained | 0.9998 |
| 4,5,5½,6 | Good stained | 8.2342 |
| 4,5,5½,6 | Stained, grade "A" | 7.4999 |
| 3,4,5,5½,6 | Stained, grade "B" | 4.2180 |
| 3,4,5,5½,6 | Heavy stained | 1.7967 |
| | Total usable - - - - - - | 22.9047 |
| | Punch - - - - - - - - - - | 410.0000 |
| | Scrap - - - - - - - - - - | 595.0000 |
| | Total shipment . . . | 1034.4827 |

Expenditures -

| | | |
|---|---|---|
| Total approved | - | $14,500.00 |
| Total cost of project | - | 14,412.73 (subject to audit) |
| Government's share of cost - 90% | - | 12,971.46 (subject to audit) |
| Government's share unexpended if any | - | 78.54 (subject to audit) |
| Value of production during operations | - | 310.50 |
| Government's royalty | - | None |

## Efficiency of Operations

The operator was fairly efficient in surface work including the erection of a headframe for a self-dumping bucket, designed by a field team representative. Sinking was done at a reasonable cost per foot but crosscutting and drifting costs were too high. There were no competent underground miners in the area who knew or could learn to drill a round. The operator was conscientious and hard working, having been at the mine at nearly all times when work was in progress.

An inventory of equipment and supplies purchased is attached. At the close of the project no explosives or expendable supplies were on hand.

The Government has waived all interest in all the items with the exception of the following:

| | | |
|---|---|---|
| Item #1 | - 3 "Kenco" pumps | $268.50 |
| Item #2 | - 1 Packard Delco grinder | 57.60 |
| Item #3 | - 1 Joy Electric Hoist | 1,080.00 |
| Item #4 | - 1 General Electric Switch | 352.80 |

The sale of all material and equipment was advertised in newspapers and letters were written to dealers as well as operators requesting bids. To

date no bids have been received and it has not been possible to make a sale. There is some cause for optimism that Items #1 to #4, above, may be sold shortly.

W. T. Millar

W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

John B. Hanley

John B. Hanley, U. S. Geological Survey
Member, Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

College Park, Maryland
April 24, 1953

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 8 1953

April 7, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Atwood Mine, Richard N. Berry
West Rumney, Grafton County, New Hampshire
Contract Idm-E256, Docket DMEA-2129X - (Mica)

Transmitted herewith are the original and two copies of a "Waiver of Government's Interests in Property", under Contract Idm-E256.

W. T. Millar

W. T. Millar

Enclosures - 3

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

March 23, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 23 1953

MAR 23 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Contract Idm-E256, Docket DMEA-2129X - (Mica)
Atwood Mine, West Rumney, New Hampshire

Transmitted herewith in quadruplicate is H. L. Burmeister's Field Report of March 19, on subject contract.

W. T. Millar

W. T. Millar

Attachments - 4

Durham, N. H.
March 19, 1953

DMEA
Field Report
by
H. L. Burmeister, Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 23 1953

| | |
|---|---|
| Operator: | Richard N. Berry, 17 Garden Lane<br>Cape Cottage, Maine |
| Mine & Location: | Atwood Mine, W. Rumney, N.H. |
| Docket No.: | DMEA-2129X |
| Contract No.: | Idm-E256 |
| Commodity: | Mica |
| Total Cost: | $14,500.00 |
| Government Participation: | $13,050.00 |

On March 17th, Mr. Alfred Dennis, President of the Golding-Keene Company, was contacted at Keene, N. H. Mr. Dennis expressed a desire to bid on equipment jointly owned by Mr. Berry and the Government under the above contract.

Mr. Berry was contacted in Cape Cottage, Maine, later on the same day. Mr. Berry is inviting a bid on this equipment on March 18. It is believed that a reasonable bid will be made.

The terms of Mr. Berry's second DMEA amendment to the contract were reviewed with him. He stated that in making his November 1952 Operator's Report that the $35.00 per foot allowed amount did not occur to him.

The matter of tunnel advance after November 4, 1952 was reviewed in the light of the Field Team representative's measurements and Mr. Berry's chronological records. The following data is correct and is believed to be what the auditor requested:

November 1 to November 30, inclusive, 35 feet of drifting or equivalent slabbing. This 35 feet started at the 10-foot mark and continued for 24-1/2 feet. This plus 12 feet of additional drifting to the right and 2 feet to the westward plus an allowed equivalent for slabbing amounted to the total of 35 feet.

November 1 to November 4, inclusive, the advance was 5 feet. Therefore, the drifting or equivalent on the new contract beginning November 5, totaled 30 feet.

Mica shipped by G S A
How about Bilfa[illegible] of D is correct?

H. L. Burmeister
Mining Engineer

College Park, Md.
March 23, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 12 1953

College Park, Maryland

March 10, 1953

Mr. Richard H. Berry
17 Garden Lane
Cape Cottage, Maine

Subject: Docket DMEA-2129X - (Mica)
Contract Idn-E256
Disposition of Supplies
and Equipment

Dear Mr. Berry:

Relative to the disposition of equipment, supplies and facilities remaining on the completion of operations under the above contract:

You are hereby informed that the Government waives all interest in equipment, supplies and facilities, except the following items:-

3-- Kenco 1/3 h.p. - 110 volt, 1-60 electric pumps
1-- CR 200 Packard Delco grinder. Model S7427-110 volt, 1-60
1-- Joy electric hoist 220 volt, 3-60, 10 h.p.
Model DF 113#24521
1-- General Electric switch, 220 volt, 3-60

Mr. Burmeister will call at your home probably during the week of March 15-21.

Very truly yours,

W. T. Millar, Acting Executive
Officer, Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

WTM:HLBurmeister:rwa

copy for GeoCSelfridge ✓
EDTalbert
DMEA Files 2

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

FEB 20 1953

College Park, Maryland

February 20, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region VIII

Subject: Report of Operations under DMEA Contracts during January, 1953

Transmitted herewith in quadruplicate are reports by C. L. Burmeister, on the following contracts:

| | |
|---|---|
| Tdn-423 | The Ruberoid Co. (1st application) |
| Tdn-424 | Vermont Copper Co., Inc. |
| Tdn-1256 | Richard N. Berry (Atwood Mine) |
| Tdn-1286 | The Ruberoid Co. (2nd application) |
| Tdn-1441 | Alstead Mica Mining, Inc. |

DMEA 2129

. T. Miller

Enclosures

WTM:rwa

copy for GeoCSelfridge
DMEA Files 2

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

DMEA
Report of Operation during January, 1953
by
H. L. Burmeister
February 19, 1953

| | |
|---|---|
| Operator: | Richard N. Berry, 17 Garden Lane<br>Cape Cottage, Maine |
| Mine & Location: | Atwood Mine, W. Rumney, New Hampshire |
| Docket No.: | DMEA-2129X |
| Contract No.: | Idm-E256 |
| Commodity: | Mica |
| Total Cost: | $14,500.00 |
| Government Participation: | 90% or $13,050.00 |
| Duration of Contract: | February 18, 1952 to February 1, 1953 |

Exploration work under this contract has been completed.

Due to the difficulty of disposing of equipment in which the Government has an interest, the Operator's final report has not been completed.

The Field Team's final report can be completed as soon as the equipment is disposed of.

H. L. Burmeister
Mining Engineer

Good or Bad?
Cost of mine?
Mica sold to GSA

College Park, Md.
February 19, 1953

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

January 30, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region VIII

Subject: Contract Idm-E256, Docket DMEA-2129X - (Mica)

Enclosed are two photostatic copies of a letter of January 24 from Richard N. Berry, pertaining to the subject contract, with an inventory of equipment purchased during the project and copies of letters pertaining to the disposition of the equipment.

W. T. Millar

W. T. Millar

Enclosures

RICHARD N. BERRY
17 GARDEN LANE
CAPE COTTAGE, MAINE

January 24, 1953

Mr. W. T. Millar, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII
College Park, Maryland

Re: Docket DMEA-2129X
Contract Idm-E256

Dear Mr. Millar:

With reference to your letter of December 30th concerning submission of the final report, items (1) and (2) have been accomplished.

Item (3), the inventory is attached hereto and also attached are copies of correspondence under item (4). If replies were received in answer to my solicitations they are attached. No replies were received in several instances.

The lease between the Town of Rumney and myself expired in December and was not renewed.

With refernce to my possible interest in purchasing any of the material and equipment at the Atwood, I am willing to pay $25.00 to salvage any or all of the wire, switches, conduit, etc. With this exception I have no use for any of the other equipment.

If the final report may now be processed your advice accordingly would be appreciated.

Cordially yours,

Richard N Berry

INVENTORY--ATWOOD MINE

| | | |
|---|---|---|
| | EQUIPMENT | |
| 1.. | 3 KENCO 1/3 HP 110-1-60 Electric pumps 1¼" discharge @ 89.50 | 268.50 |
| 2.. | 1 CR 200 Packard Delco Grinder mod.S7427 110-1-60 | 57.60 |
| 3.. | Joy electric hoist 220-3-60 10 HP mod.DF113#24521 | 1080.00 |
| 4. | 1 skip, special 4 x 2 x 2 w/ bail | 109.42 |
| 5.. | 1 24" sheave, grooved for ½" rope,w/ bearings | 77.00 |
| 6.. | 45' 24" gauage track w/ ties, and truck | 61.00 |
| | FACILITIES | |
| 7.. | Compressor shack | 390.51 |
| 8.. | Headframe and track | 347.51 |
| 9.. | Hoist shack | 24.15 |
| | PIPE AND FITTINGS | |
| 10.. | 200' 2" Carlon pipe ) | |
| | 2 2" Carlon pipe x 2" IS adapters ) | 111.04 |
| | 2 2" CI caps ) | 1.20 |
| 11.. | 1 ¾" male cplg | |
| 12. | 150' 1¼" Carlon pipe | 43.55 |
| | 1 1¼" Carlon adapter | 3.00 |
| 13.. | 1 3/8" brass gate | .14 |
| 14.. | 2 3/8 x 3 gal nips | .42 |
| 15.. | 1 3/8 gal union | .31 |
| 16.. | 1 1¼ x 8 gal nip | .31 |
| 17.. | 1 2 x 1½ bushing | .07 |
| 18.. | 1 ½ x 2 gal nip | .07 |
| 19.. | 1 3/8 x 3 gal nip | .16 |
| 20.. | 1 ½ x 3/8 gal cplng | .90 |
| 21.. | 2 ½" brass hose nips | |
| 22. | 1 ½ gal union ) | 1.37 |
| 23.. | 1 1¼ " " ) | .42 |
| 24.. | 2 5/8 hose clips | 12.00 |
| 25.. | 100' 5/8" garden hose | .20 |
| 26.. | 2 5/8" hose clamps | .30 |
| 27. | 1 ¾" cplng | 18.00 |
| 28. | 60' 1½" gal pipe | 60.00 |
| 29.. | 120" 2" gal ppipe | 12.00 |
| 30.. | 60' ¾" gal pipe | 3.70 |
| 31.. | 1 ¾" glove valve | .32 |
| 32. | ¾ x 6" gal nip | |
| | ELECTRICAL STOCK | |
| 33.. | 1 #27135 H&H switch 220-3-60 | 28.60 |
| 34. | 1 GE CR1034 switch 220-3-60 | 352.80 |
| 35.. | #10 & #12 TW copper single strand wire, sockets | 41.42 |
| 26.. | 4 sockets and holder, Stonco Mfg Co | 9.94 |
| 27. | Bell stock and wire | 11.69 |
| | TOOLS | |
| 28.. | 1 5' 2 handle saw | 4.85 |
| 29.. | 1 drift pick | 3.17 |
| 30.. | 1 pick mattock | 1.56 |
| 31.. | 2 pick handles @ .56 | 1.12 |
| 32.. | 2 LH shovels @ 2.48 | 4.96 |
| 33. | 1 5' crow bar | 4.60 |
| 34.. | 1 18" Stillson | 2.83 |
| 35. | 1 24" " | 4.89 |
| 36.. | 1 36" " | 10.30 |
| 37. | 1 10" Westcott | 2.00 |

INVENTORY-ATWOOD MINE concl.

| | | |
|---|---|---|
| 38. | 1 24" square | $ 3.52 |
| 39. | 1 hoe | 1.88 |
| 40. | 1 hammer, carpenter | 1.40 |
| 41. | 1 100' metallic tape | 13.60 |
| 42. | 1 24" wood level | 2.94 |
| 43. | 1 D handle RP short shovel | 2.48 |

MISCELLANEOUS

| | | |
|---|---|---|
| 44. | 4 Blasting helmets @ 3.00 | 12.00 |
| 45. | 10' ¾" air hose, cpld | 7.61 |
| 46. | 25' ditto | 13.84 |
| 47. | 50' ditto | 24.84 |
| 48. | 50' 5/8" rope | 3.54 |
| 49. | 3½ lbs. 5/8" rope | 2.17 |
| 50. | 2 pr neoprene pamts | 14.18 |
| 51. | 200' 2 x 2 x 1/8" steel angle | 41.71 |

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

January 21, 1953

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Dear Sir;

Thank you for your letter of January 4th in regard to the equipment you have for sale from mining operations in Rumney. I regret to inform you that at the present time we have no use for this equipment.

Very truly yours,
VERMONT COPPER CO., INC.

H. I. Davis RB

Harold I. Davis
Purchasing Agent

HID:aw

JOY MANUFACTURING COMPANY
88 BROOKLINE AVENUE
BOSTON 15, MASSACHUSETTS
TELEPHONE COPLEY 7-1155

EXECUTIVE OFFICES
HENRY W. OLIVER BUILDING
PITTSBURGH 22, PA.

January 20, 1953

Mr. Richard N, Berry
17 Garden Lane
Cape Cottage, Maine

Dear Mr. Berry:

In answer to your recent phone call regarding us purchasing the DF-113 hoist which you bought from us last year, we do not purchase used equipment but we will be glad to turn over all and any interested customers we may have for such a unit.

Yours very truly,

JOY MANUFACTURING COMPANY

L. A. Wright (T)

L. A. Wright

LAW:hjt

JOSEPH F. COMOLLI, PRESIDENT

TELEPHONE 788-W 788-R

# NEW HAMPSHIRE EXPLOSIVES & MACHINERY CO., INC.

261 SOUTH MAIN STREET - - CONCORD, N. H.

*Construction Equipment*

January 13, 1953

Air Compressors
Drilling & Blasting Supplies
Rock Bits - Rods
Lanterns - Torches
Snow Plows - Hydraulic Lifts
Pumps of all Kinds
Metal Culverts
Super Steam Thawers
Electric Tools
Asphalt Kettles - Pots - Dynamite - Crushers - Elevators - Conveyors - Wheelbarrows -

Belts - Screens
Diesel - Gas Power Shovels
Bit Grinding Service
Suction and Air Hose
Mixers - Hoists
Wire Rope - Fittings
Cutting Edges - Blades
Shovels - Picks - Mattocks
Form Tys & Accessories
Vibrators - Grinders

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage
Maine

Dear Mr. Berry:

We are not in a position to purchase any of the material or equipment at the Atwood Mine.

If in the future we come across anyone who may be interested, we will contact you.

Very truly yours,

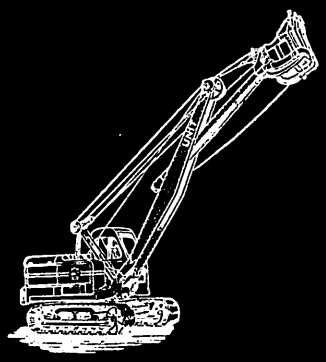
N.H. EXPLOSIVES & MACH. CO., INC.

Joseph F. Comolli

JFC/r

Joseph F. Comolli, President

SUDDEN SERVICE



SALES -:- RENTALS -:- SERVICE -:- DRILLING -:- BLASTING

All quotations subject to change without notice. All quotations, agreements and contracts are made, and all orders accepted contingent upon strikes, accidents, fire, delays to carriers, floods and high water, and other delays unavoidable or beyond our control. We admit no liability for delay, shortage or damage in transit after taking carrier's receipt for the goods shipped.

January 7, 1953

Mr. P. B. Verplanck
Whitehall Company, Inc.
Keene, N.H.

Dear Sir:

In answer to your inquiry, the hoist costs $1200.00, a price of $600.00 as is, where is, seems reasonable. The three pumps should be worth $30 each.

If you are interested further, I would be pleased to have you see the equipment.

Very truly yours

1/9/53 phoned him not interested

Vermont Copper Co S. Strafford Vt
United Feldspar Co W. Paris Me
Whitehall Mining Co Keene NH

January 4, 1953

Warren Pipe & Foundry Corp.
Dover New Jersey

Gentlemen: Attention Purchasing Agent

I have the following equipment for sale in good used condition as the result of the termination of mining operations in Rumney, New Hampshire:

1 JOY Mfg Co Model DF 113 single drum electric winch 10 HP 220-3-60 with starter

3 KENCO electric pumps, automatic operation to go ON when covered with six inches of water, 1/3 HP 110-1-60, 1½" discharge

The above equipment is six months old. I would appreciate hearing from you as to your possible interest in acquiring this.

Very truly yours

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

DMEA
Summary Report
January 28, 1953

| | |
|---|---|
| Operator: | Richard N. Berry |
| Address: | 17 Garden Lane, Cape Cottage, Maine |
| Mine & Location: | Atwood Mine, W. Rumney, New Hampshire |
| Docket No.: | DMEA-2129 |
| Contract No.: | Idm-E256 |
| Commodity: | Mica |
| Total Cost: | $14,500. |
| Government Participation: | 90% - $13,050. |
| Duration of Contract: | From - February 18, 1952 to February 1, 1953 |

This contract is set up in three stages as follows:

Stage I authorizes three diamond core drill holes, totaling 400 feet, to prove the continuity of the pegmatite and possible existence of a mica bearing zone.

Stage II is to unwater the old working and examine the mine, only after Stage I is completed and the results are favorable.

Stage III, provided the results of Stage II indicate possible concentrations of strategic mica to the satisfaction of the Government, then an inclined shaft with cross-cutting and drifting from the bottom of the shaft is justified.

All three stages under this contract have been completed. Drilling totaled 405 feet, a 60-foot inclined shaft was sunk, a 12-foot cross-cut and 50 feet of drifting were driven. This exploratory work yielded 4,000 pounds of mine run mica from which 1,034 pounds of hand cobbed mica were recovered.

The total cost of this project is $14,500.00. The Government's participation is 90 percent or $13,050.00.

The final report is being prepared. Although mica of strategic quality was recovered during this exploration, it is expected that the final results will indicate that the percentage of marketable products will be too low for an economically successful operation.

2129

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 7 1953

January 6, 1953

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region VIII

Subject: Amendment - Contract Idm-E256
Docket No. DMEA-2129 - (Mica)
Richard N. Berry, Operator
W. Rumney, New Hampshire

Enclosed are the original and two copies of the amendment to Contract Idm-E256 and the Owner's Consent to Lien, which have been properly executed.

W. T. Millar
W. T. Millar

Enclosures

cae 1-7-53

FILE COPY
SURNAME:

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

DEC 12 1952

Mr. W. T. Millar
Acting Executive Officer, DMEA
Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-2129 - Mica
Richard N. Berry
Atwood Mine
Rumney, New Hampshire
Contract No. Idm-E256

Dear Mr. Millar:

Please find herewith the original and five copies of amendment to Contract No. Idm-E256 captioned above.

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

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

12-12-52

Sincerely yours,

Ernest Wm. Ellis

ACTING Chairman, Operating Committee

LFHearne:gad 12/4/52
Copy to: Admr. R. File
Operating Committee (2)
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

Approved:

W. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

Enclosures 6

P. S. Owner's Consent to Lien in the sum of $13,050.00 should be secured before delivery of the amendment to the Operator.

FILE COPY
SURNAME:

Hearne
Houk
Holland
Chandler

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

DEC 12 1952

Mr. W. T. Miller
Acting Executive Officer, DMEA
Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-2129 - Mica
Richard N. Berry
Atwood Mine
Rumney, New Hampshire
Contract No. Idm-2256

Dear Mr. Miller:

Please find herewith the original and five copies of Amendment No. 2 to Contract No. Idm-2256 captioned above.

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

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

Sincerely yours,

~~Ernest Wm. Ellis~~

ACTING Chairman, Operating Committee

Approved:

~~J. W. Hedges~~

Member, Bureau of Mines

~~A. R. Kinkel, Jr.~~

Member, Geological Survey

LFHearne:gad 12/4/52

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

Enclosures 6

P.S. Owner's Consent to Lien in the sum of $13,050.00 should be secured before delivery of the amendment to the Operator.

Confirmed

2129

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 31 1952

XXXXXXXXXXXXXXXX
College Park, Maryland

December 30, 1952

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Subject: Docket DMEA-2129X
Contract Idm-E256
Richard N. Berry
Atwood Mine
West Rumney, N. H.

Dear Mr. Berry:

Referring to your letter under date of December 22, 1952 pertaining to the subject contract:

Submittal of your final report must await the completion of the following:

(1) - Receipt of the executed Subordination Agreement which has not been received as of December 29.
(2) - Your signing the amended contract which will be sent you upon receipt of the Subordination Agreement.
(3) - Receipt of a complete inventory and cost of all equipment, facilities, material used in building, and supplies such as pipe and fittings, electrical switches, wire and explosives; whether these are in service or in stock. Serial or factory numbers and definite description should be given.
(4) - Submittal of bids or offers on parts or all of the inventory listed.

After completion of the above, this office will notify you if such disposition is acceptable.

You are referred to the memorandum relating to the disposition of property which was sent you several months past. You will note that the first paragraph includes individual items of equipment, buildings or other fixtures costing more than $50.00. It also includes materials such as rails, pipe, steel and explosives in groups if the original cost of the unexpended portion is more than $50.00.

Although the Government may not assert a claim to items or catagories which cost less than $50.00, it is still necessary that they be listed with their cost in the inventory.

It is suggested that in the matter of pumps and hoist, the local distributor be contacted regarding purchase. Used equipment firms might well be interested in all of the equipment. Local electrical, general or building contractors may want to purchase the electrical equipment, pipe and fittings.

Any bids, offers or refusals should be cited in the report of possible disposition. Copies of correspondence with prospective buyers and their replies should be attached.

It may be advisable to contact some of the nearby operators such as: Warren Foundry & Pipe Corp., Dover, New Jersey; Vermont Copper Co., South Strafford, Vt.; Golding Keene Co., 23 West St., Keene, N.H.; United Feldspar Co., West Paris, Maine and Whitehall Mining Co., Keene, N.H.

In the matter of the mica sold to the Mica Purchasing Depot in Franklin, New Hampshire, you are correct in your belief that the Government has an interest in sales only if a discovery or development is certified.

Very truly yours,

W. T. Millar, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

WTM:HLB:rwa

copies for FEJohnson-2
DNAnderson, Pgh.
JBHanley, USGS
DMEA Files

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC ~~10~~ 12 1952

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

December 11, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region VIII

Subject: Richard N. Berry, Atwood Mine, West Rumney, N. H.
Contract Idm-E256, Docket DMEA-2129X - (Mica)

Attached in quadruplicate is the November Field Inspection Report by H. L. Burmeister, on subject contract.

W. T. Millar

W. T. Millar

Attachments - 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 12 1952

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
December 6, 1952

| | |
|---|---|
| Operator: | Richard N. Berry, 17 Garden Lane<br>Cape Cottage, Maine |
| Mine and Location: | Atwood mine, West Rumney, N. H. |
| Docket No.: | DMEA-2129X |
| Contract No.: | Idm-E256 |
| Commodity: | Mica |
| Total Cost: | $14,500.00 |
| Government Participation: | 90% or $13,050.00 |

This property was visited on December 6, 1952, in company with Glenn W. Stewart, U. S. Geological Survey.

Being Saturday, no operations were in progress and the operator was not at the property. There were two feet of water in the drift and some of the crew were found to pump out the water.

Operations during November consisted of drifting. The drift was extended from 10 to 24½ feet. At a point 17 feet from the cross-cut, schist came into the back of the drift; at 24½ feet this schist had plunged downward to the extent that the entire face was in schist, the floor at the face being in pegmatite.

The right side of the drift was slabbed off and the drift turned about 60° to the right, following the hanging wall on a strike of S 60° E. This turn in the hanging wall was followed for 12 feet to the face as it still is. One round was blasted to the southwest of the cross-cut on the hanging wall. This face shows a nearly vertical section of schist one foot wide in the pegmatite. Not over ½ percent of mica is present and this of small dimension, ruled and stained.

The November Progress Report records 35 feet of drifting. This was done on a volume basis to account for slabbing. There were actually 28½ feet of drifting.

An examination of the new work shows the pegmatite containing not to exceed one percent of mica. The mica is not of high quality and the books do not exceed 2 x 3½ inches in measurements.

On December 1, 1952 there is remaining $87.27 unexpended on this contract.

H. L. Burmeister
Mining Engineer

College Park, Md.
December 10, 1952

2129

FILE COPY
SURNAME:

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AEKane

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

December 4, 1952

Memorandum

n.s. in R. & R.

To: Administrator

Through: L. G. Houk

From: Chief Counsel

Subject: Richard N. Berry - Docket No. DMEA-2129 (Mica)

There is attached in satisfactory legal form for execution an Amended Contract which adds $1,500.00 to the drifting in the original contract. Because of this fact, there should be attached a new Owner's Consent to Lien.

J. L. Hofflund
Chief Counsel

Attachment

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

FILE COPY
SURNAME:

Hearne
Houk
Hoffman
Chronicle

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

December 4, 1952

Memorandum

Subject: DMEA-2129 - Mica
Richard N. Berry
Atwood Mine
Rumney, New Hampshire
Contract No. Idm-E256

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 2 to Contract No. Idm-E256

Recommendation: Approval

Work on the above contract comprising three stages; core-drilling, de-watering, and sinking and drifting was completed by November 5, at which time the authorized sum of $13,000.00 had been exhausted. The drift was twelve feet long with indications apparently favorable for sheet mica with a little more driving.

Amendment No. 2 provides $1,500.00 additional for driving the drift 43 feet farther. Since $13,000.00 has already been spent and indications at the face are favorable the additional driving is recommended with the hope of protecting the original investment.

Laurance F. Hearne
Nonmetallic Minerals Division

LFHearne:gad

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 24 1952

November 21, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region VIII

Subject: Amendment No. 2, DMEA Contract Idm-E256
Docket DMEA-2129X - (Mica)
Atwood Mine, West Rumney, New Hampshire
Richard N. Berry, Operator

It is proposed that the subject contract be amended to increase the total cost by $1,500.00, or from $13,000.00 to $14,500.00. The Government participation is 90 percent, which means an increase from $11,700.00 to $13,050.00. The $1,500.00 is to be used for the sole purpose of extending the present drift for a distance of 43 feet beyond the location of the face on November 4, which was 12½ feet from the cross-cut.

At the point where contract funds were exhausted an estimated 1 percent of mine run mica was exposed. The next 4½ feet of drift exposed an estimated 5 percent of mine run mica.

At the present time the Field Team does not consider the mica exposures to be sufficient to recommend a Certificate of Discovery or Development. However, the present indications are suggestive of a good mica bearing zone and additional drifting may result in a producing operation.

For the above stated reasons, it is recommended that the applicant's request for $1,500.00 for 43 feet of additional drifting on this project be granted.

A copy of the operator's request dated November 15, and a copy of the Field Team's examination report are attached.

W. T. Millar

W. T. Millar

RECEIVED
NOV 26 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Attachments

C O P Y

RICHARD N. BERRY
17 Garden Lane
Cape Cottage, Maine

November 15, 1952

Mr. W. T. Millar, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII
College Park, Maryland

Re: Atwood Mine
2129X, Idm-E256

Dear Mr. Millar:

This contract reached the total of allowed expenditure about November 4th, 1952. In my continued belief that the Atwood Mine is a potential producer of strategic mica, I have kept my crew operating. On November 10th the drift to the northeast encountered the first evidence of a commercial concentration of strategic mica.

This additional work is rapidly exhausting my financial resources. For this reason and because commercially concentrated mica has been encountered but not yet sufficiently explored, the following is requested:

> An additional allocation of funds under the present contract to prove the continuity of this mica concentration which would require $1500.00 and would pay for 43 feet of drifting at $35.00 per foot. This would be 45 feet beyond the face of the drift as it was October 30, 1952 and 38 feet beyond the present face which is now 17 feet from the cross-cut as of November 13th.

In order to continue uninterrupted operations I hope that this request will receive your prompt consideration.

Very truly yours,

/s/ Richard N. Berry

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 24 1952

# Field Team Report on Examination of Property

Docket DMEA-2129X - (Mica)
Richard N. Berry, 17 Garden Lane, Cape Cottage, Maine
Atwood mine, West Rumney, Grafton County, New Hampshire
Contract Idm-E256

(Reported by dictaphone memo belt)

This property was visited on November 13, 1952. The drift to the NE has followed the hanging wall and was 17½ feet in length. The last two drill rounds, or 5 feet, exposed a good showing of commercial grade mica which is estimated to be 5 percent of the exposed face. The mica books averaged 3" x 4". The largest single book was 8" x 10" and the average thickness of all books ½". The mica has a rum color, is flat and ruling does not appear to be permanent. According to Mr. Berry, the drift to 12½ feet contained about 1 percent mine run mica, and the books averaged less than 2" x 2".

The funds under this contract were exhausted on the 4th or 5th of November, at which time the drift was 12 feet long. Mr. Berry has carried on the drift to the length of 17 feet at his own cost. This was fortunate as the percentage of mine-run mica increased substantially, after the exhaustion of DMEA funds. Mr. Berry cannot finance the necessary exploration to prove the continuity of the mica zone to the point of development.

It is believed that a small amount of additional drifting is justified to probably prove a discovery. This cannot be done at this time.

It is recommended that contract Idm-E256 be amended or revised to increase the total cost of the contract by the amount of $1,500.00, to be expended for drifting only at the rate of $35.00 per foot.

Mr. Berry will submit in several days a request for additional funds under this contract.

Glenn W. Stewart, U. S. Geological Survey
H. L. Burmeister, U. S. Bureau of Mines

College Park, Md.
November 17, 1952

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1952

November 18, 1952

Mr Hearne

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region VIII

Subject: Richard N. Berry, Atwood mine, West Rumney,
Grafton County, New Hampshire
Contract Idm-E256, Docket DMEA-2129X - (Mica)

Attached are the original and three copies of the Field Inspection Report by H. L. Burmeister, on subject contract.

W. T. Millar
W. T. Millar

Attachments - 4

November 10, 1952

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1952

| | |
|---|---|
| Operator: | Richard N. Berry, 17 Garden Lane<br>Cape Cottage, Maine |
| Mine & Location: | Atwood mine, West Rumney,<br>Grafton County, New Hampshire |
| Docket No.: | DMEA-2129X |
| Contract No.: | Idm-E256 |
| Commodity: | Mica |
| Total Cost: | $13,000. |
| Government Participation: | $11,700. or 90% |

(Reported by dictaphone memo belt)

This property was visited on November 10, 1952. It was possible to spend only two hours at the mine as the writer arrived at 3:00 PM and Mr. Berry had to leave at 5:00 PM. The time was largely devoted to detailing a method of drilling and blasting a drift round which would not destroy the mica present. A great deal of trouble has been experienced due to the fact that the miners did not pull the cap but did pulverize all the mica present. If directions are followed, this situation need not continue.

The drift round which had just been blasted showed better mica than had been previously encountered. The present work is being financed by Mr. Berry but he cannot continue to do so.

Glenn W. Stewart, USGS, and the writer will examine the Atwood Mine on November 13, to determine whether a discovery can be declared.

H. L. Burmeister
Mining Engineer

College Park, Md.
November 17, 1952

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 7 1952

October 7, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket DMEA-2129X, Contract Idm-E256
Richard N. Berry, Atwood Mine
West Rumney, New Hampshire - (Mica)

Attached are the original and three copies of the Field Inspection Report by W. T. Millar, on subject contract.

McHenry Mosier by rwa
McHenry Mosier

Attachments - 4

DMEA
Field Inspection Report
by
W. T. Millar, Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 7 1952

| | |
|---|---|
| Applicant: | Richard N. Berry<br>17 Garden Lane, Cape Cottage, Maine |
| Name of Mine: | Atwood mine |
| Location of Mine: | West Rumney, New Hampshire |
| Docket No.: | DMEA-2129X |
| Contract No.: | Idm-E256 |
| Commodity: | Mica |

This project was inspected October 3 by the engineer and Glenn W. Stewart, geologist of the DMEA Field Team. The applicant was at the project.

The current exploratory work on this project is sinking an inclined shaft which is the third stage of the project.

The present depth of the shaft is 88 feet from the measuring point which is at the top of the footwall. Shaft sinking on this project started at a point in the old workings, 42 feet below the measuring point. Progress for September is 28 feet advance, making a total of 46 feet of new shaft work, leaving a balance of 14 feet of shaft sinking before drifting is to start.

This project is being conducted in accordance with good engineering practice. A headframe has been erected and hoisting is by a 10 horsepower, Joy Mfg. electric hoist, pulling a 2x2-4 foot skip on guides. The hoist is mounted on a concrete base and housed in a satisfactory shed recently constructed.

The neatness with which this project is being conducted is outstanding.

Two shifts of 2 men each are working daily and the operator is acting as supervisor.

Some mica has been sorted from the shaft-sinking operation, mostly scrap, but some books appear to be of strategic quality ruby mica. A few pounds of beryl have been saved also. As soon as 1,000 pounds of mica has been accumulated, it will be taken to the mica buying depot in Franklin, New Hampshire, as a test for mine run production. (A 1,000 pound shipment is the minimum of mine run mica acceptable at the depot).

This project will be visited again upon completion of work in Maine, to see a section of the Atwood pegmatite at the bottom of the shaft, and to discuss possible mining methods with the operator. This will be about the 14th of October. Stewart will keep in contact with Berry and make another visit to the project upon completion of the shaft.

College Park, Md.
October 6, 1952

W. T. Millar
Mining Engineer

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

Sos
Mr. Pearson

September 17, 1952

Memorandum

To: F. E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, Bureau-Survey Field Team, DMEA Region VIII

Subject: Amendment No. 1, DMEA Contract Idm E-256, Docket No. 2129, Atwood Mine, West Rumney, N. H. Richard N. Berry, Operator, Mica.

Attached is Amendment No. 1 to the subject contract which was issued today.

McHenry Mosier

McHenry Mosier

Enclosure
Original
& 2 carbons

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 18 1952

gcs
9/19/52

OFFICE OF THE ADMINISTRATOR

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D.C.~~

College Park, Maryland

New Hampshire.

September 15,1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Monthly Report of Operator - August 1952
Docket DMEA-2129X, Contract Idm-E256 - Mica

Attached are two copies of the Operator's Report for the month of August from Richard N.Berry, Atwood Mine, West Rumney, New Hampshire.

McHenry Mosier

McHenry Mosier

Attachment

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 16 1952

Field Inspection Report

Atwood Mine, Richard N. Berry, West Rumney, N. H. - (Mica)
Docket DMEA-2129X, Contract No. Idm-E256
September 2, 1952
by
H. L. Burmeister, Engineer

A very good headframe has been completely constructed with the exception of completing a bucket-dumping device, and a small chute. A skip-type bucket rather than a cylindrical one is being used and appears to operate satisfactorily. Skip guides 4" x 6" have been completed to the bottom. All loose muck has been removed and the shaft advanced from the solid bottom to a depth of 18 feet. The measurements are being carried from the bottom of the overburden on the footwall which is marked. Sinking operations began at 42 feet below this point. Mr. Berry is writing to Mr. Mosier on this date requesting that the following estimated cost be changed in the contract. None of these estimates are maximums. The following are the requests:

Transfer to supervision $200 from the estimate of general expense which was $450, leaving an estimate of $250.
Transfer to supervision $300 from technical and bookkeeping estimate of $530, leaving an estimate of $230.
Transfer to supervision $100 from operating supplies estimate, this is for gas, oil and electricity. The estimate was $465, leaving an estimate of $365.

These changes seem necessary and the funds remaining in each category are believed to be sufficient to carry on to the completion of the contract.

A new concrete hoist base has been poured, as had been suggested, which will remove the hoist from interference with operations. The compressor and pumps are operating satisfactorily. However, another low head pump may be required later, however, funds are available for this.

One sinking shift has been operating with an advance of 2 feet per shift. A second shift will be operated beginning about Sept. 10, thus cutting elapsed time and overhead cost. The footwall on which the shaft is being sunk contains lower grade mica, leaving the better grade to be removed by lighter blasting. Better and more orderly progress is being made than has been the case previously.

H. L. Burmeister
Mining Engineer

College Park, Md.
September 5, 1952

FILE COPY
SURNAME:

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

Hearne
Mitt

AUG 14 1952

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Subject: Docket No. DMA-2129 - Mica
Atwood Mine
Grafton County, New Hampshire
Contract Idm-2256

Dear Mr. Berry:

Mr. H. L. Furmeister, Mining Engineer, inspected the above project on August 5 during your absence. You should receive from him within a short time sketches of possible methods of hoisting and dumping at your inclined shaft.

It is not known how you intend handling the muck from the future drift at the bottom of the incline, but your attention is called to the fact that any chute pockets cut are preparation for mining and will be for your own account.

Apparently, your men have not been sufficiently instructed on how to proceed with the sinking, and closer supervision of the operation on your part is suggested.

Sincerely yours,

S.N.
8-14-52

Signed

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

LFHearne:mp 8/14/52
cc: Docket File
Adm. Reading File
Field Team, Region VIII
Mr. Houk

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

August 7, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket DMEA-2129X, Contract Idm-E256
Richard N. Berry, Atwood Mine
West Rumney, New Hampshire - (Mica)

Attached are the original and three copies of H. L. Burmeister's Field Inspection Report on subject docket.

McHenry Mosier

Enclosure

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 8 1952

DMEA
Field Inspection Report
August 4, 1952
by
H. L. Burmeister, Engineer

Richard N. Berry, Atwood Mine, West Rumney, New Hampshire
Docket DMEA-2129X - Contract Idm-E256

(Mica)

After trying to locate Mr. Berry at his home in Cape Cottage, Maine, both August 3 and August 4, it was found that he was out of town and would not return to his home or to the mine until about August 10. The foreman, James Spead, and one man were at the mine.

The compressor, a two stage, 115 cfm. electrically driven Chicago Pneumatic, has been installed on a concrete foundation and is adequately housed. The small electrically driven hoist is mounted on a very small concrete foundation on the footwall edge of the pit.

All water has been pumped out. About 20 tons of muck are on the pit floor at the shaft site which will have to be removed. In addition about 20 tons can be bulkheaded and not removed.

On arrival at the mine, the two men had just completed cutting an old fire tube boiler into quarters. One of these about 4 feet in diameter and 4 feet long, was to be equipped with a bail and used as a bucket for hoisting the muck and later probably for sinking the shaft. It was planned to drag this without skids, up the footwall. It would sideslip and turn at least part way over. There was no plan to get this bucket over the lip of the pit as the 3 leg derrick was only 5 feet high and 25 feet back from the lip of the pit. No cable roller at the lip was to be provided.

At the request of the foreman, in view of the men having no knowledge of how to perform the work and remove the muck, it was suggested that they erect a higher, temporary, three-leg, derrick and use 4" x 4" skids. A bucket will be needed for sinking. A sketch of a shaft round was left with the foreman.

It is not known how Mr. Berry expects to mine, but he may have the idea of putting an ore pocket near the bottom of the shaft and below a drift. He should be instructed that the 60 feet of backs given him by the shaft must be used for production and that work below that level would be at his own expense.

It was intended that a sketch could be given him of possible ways of hoisting and dumping. This not having been possible, sketches will be made upon return to College Park and sent to Mr. Berry. This should be accompanied by a letter suggesting closer supervision and better efficiency in the work.

/s/ H. L. Burmeister
H. L. Burmeister
Field Team, Mining Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
AUG 3 1952

Morrisville, Vt.
August 5, 1952

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

July 10, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Executive Officer, Field Team, Region VIII

Subject: June 1952 Progress Report, Contract No. Idm-E256
Docket No. DMA-2129X - Mica

Attached is the original and one copy of the Operator's Progress Report from Richard N. Berry, The Atwood Mine, West Rumney, New Hampshire, for the month of June 1952. This has been approved and is being sent to the Finance Officer, Region VIII, for payment of the Government's share.

McHenry Mosier

McHenry Mosier

Enclosures
Operator's Report
Field Inspection Report

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 1 1 1952

RICHARD N. BERRY

SEVENTEEN GARDEN LANE • CAPE COTTAGE, MAINE

July 9, 1952

Mr. McHenry Mosier, Executive Officer
Bureau-Survey Field Team, Defense
Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier:

This letter is your authority to deduct from the June Monthly Cost Summary item 6d, $44.37 representing the cost of one pocket transit.

There have been no expenses to June 30 for items of Workmen's Compensation insurance because to that date I have been the only person paid for personal services. The premium for this will, however, appear on the next Summary as labor will be employed this month. This same applies to social security insurance.

Very truly yours

Richard N. Berry

Re: IdmE-256
Atwood Mine

C
O
P
Y

DMEA
Atwood Mica Mine
Field Inspection Report
July 7, 1952

Operator: Richard N. Berry
Address: Garden Lane, Cape Cottage, Maine
Location of mine: West Rumney, New Hampshire
Docket No.: 2129
Contract No.: Idm-E256
Commodity: Mica
Total Cost: $13,000.00
Government participation: $11,700.00
Duration of contract: 7 months

This property was visited in company with Mr. Richard N. Berry the operator, on July 7, 1952.

The water in the mine has been lowered about 8 feet by use of a 20inch syphon hose. About 20 feet of water remains to be pumped out. There is no pump on the property but one will be installed as soon as electricity is connected; probably by July 12.

A concrete foundation has been poured for the air compressor unit which is expected to arrive July 8.

The location of the shaft was chosen.

A letter is being transmitted by Mr. Richard N. Berry authorizing the Government to correct the June Progress Report to exclude the cost of a Brunton compass. No insurance was included in the June report as it is not required by law for less than four employees.

Several hours were spent with Mr. Berry in a discussion of mining methods.

Submitted on July 8, 1952 by:

/s/ Harry L. Burmeister
Harry L. Burmeister
U. S. Bureau of Mines

/s/ Glenn W. Stewart
Glenn W. Stewart
U. S. Geological Survey

Mr. C. O. Mittendorf

C
O
P
Y

RICHARD N. BERRY
17 Garden Lane
Cape Cottage, Maine

June 23, 1952

Mr. McHenry Mosier, Executive Officer
Bureau-Survey Field Team, Defense
Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier: Ref: IdmE-256 - Docket DMEA-2129X
Atwood Mine, Grafton Co., N.H.

Will you kindly change your records to reflect the above mailing address, changed from 57 Glenwood Street, Malden 48, Mass.

This refers in particular to the memorandum on the back of the enclosed envelope from the Cleveland Disbursement Office.

Very truly yours,

/s/ Richard N. Berry

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
WASH
JUN 26 1952

copy sent - COMittendorf ✓
6/25/52 FEJohnson
DNAnderson, Pgh.

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

June 20, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-2129X, Contract No. Idm-E256
Atwood mine, Richard N. Berry, West Rumney, N. H.

Attached is the original and one copy of the Field Inspection Report by G. L. Neumann on subject docket, for attachment to Operator's Monthly Progress Report for May 1952, forwarded to you June 3, 1952.

McHenry Mosier by Rwa
McHenry Mosier

Enclosures 2

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 23 1952

DMEA
Field Inspection Report
June 6, 1952
G. L. Neumann, Engineer

| | |
|---|---|
| Operator: | Richard N. Berry |
| Address: | 17 Garden Lane, Cape Cottage, Me. |
| Location of Project: | West Rumney, New Hampshire |
| Docket No.: | DMEA-2129X |
| Contract No.: | Idm-E256 |
| Commodity: | Strategic mica-beryl |
| Total Amount: | $13,000.00 |
| Government participation: | 90% - $11,700.00 |
| Duration of Contract: | Feb. 18, 1952 to Sept. 18, 1952 |

The Atwood Mine, near West Rumney, New Hampshire, was visited on June 6, 1952. The first phase of the contract, diamond drilling was completed in May. Joy Company contracted this drilling. Three holes Nos. X, Y and Z were drilled to the respective depths of 159, 145 and 101 feet, for a total drill footage of 405 feet. A good width of pegmatite was cut in hole X and fair widths in holes Y and Z. Glenn W. Stewart, U.S.G.S. Field Team member, logged the core. The results were encouraging.

The second phase will be the unwatering of the old workings so as to enable the Field Team to recommend the best location for the exploration shaft (phase No. 3). Mr. Berry, the operator, has asked that the original program be amended to include electrification. The use of electric pumps, hoist and other equipment should make for a safer more efficient operation on the remainder of the project. Mr. Berry has received a fair offer from the Local R.E.A. for a power hook-up. Some delay was caused on the project by the heavy rains in late May and early June. Phase No. 2 should get under way about June 15.

G. L. Neumann

6-19-52
Comments:

Mr. Berry understands that no increase in total amount of Contract will be authorized on account of electrification.

McHenry Mosier
Executive Officer

DMEA
Field Inspection Report
June 6, 1952
G. L. Newman, Engineer

| | |
|---|---|
| Sponsor: | Richard L. Berry |
| Address: | 17 Garden Lane, Cape Cottage, Me. |
| Location of Project: | Mark Bunny, New Hampshire |
| Project No.: | DMA-[illegible] |
| Contract No.: | [illegible] |
| Commodity: | Shortnose nice-beryl |
| Total Amount: | $13,[illegible].00 |
| Government participation: | 90% - $11,[illegible].00 |
| Duration of Contract: | Feb. 15, 1952 to Sept. 15, 1952 |

The Atwood Mine, near Mark Bunny, New Hampshire, was visited on June 6, 1952. The first phase of the contract, diamond drilling was completed in May. Joy Company contracted this drilling. Three holes No. 1, 2 and 3 were drilled to the respective depths of 159, 145 and 138 feet, for a total drill footage of 442 feet. [illegible] of pegmatite was exposed in hole 1 and fair visibles in holes 1 and 2. Glenn W. Stewart, U.S.G.S. Field [illegible] number, logged the core. The results were encouraging.

The second phase will be the monitoring of the old workings so as to enable the Field Team to recommend the best location for the exploration shaft (phase No. 3). Mr. Berry, the sponsor, has asked that the original program be modified to include electrification. The use of electric power, hoist and other equipment should make for a safer more efficient operation on the remainder of the project. Mr. Berry has received a fair offer from the local R.E.A. for a power hook-up. Some delay was caused on the project by the heavy rains in late May and early June. Phase No. 3 should get under way about June 15.

G. L. Newman

6-19-52
Comments:

Mr. Berry understands that no increase in total amount of Contract will be contemplated on account of electrification.

Anthony Hooker
Executive Officer

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 11 1952

June 10, 1952

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Re: Docket 2129-X (Mica)
Contract IdmE-256

Dear Mr. Berry:

This is in acknowledgment of your letters dated May 27 and June 7 pertaining to electrification of your project under Contract IdmE-256.

The use of electric power is favored and since the New Hampshire Electric Cooperative will make the power installation free of charge, it is possible that you may substantially reduce your operating cost.

Referring to page 2 of your letter dated May 27 under "Stage II" it is indicated:

| | | |
|---|---|---|
| Total possible savings | | $1,196.00 |
| Estimated expenditures under electrified operations, total | $4,533.00 | |
| Less (Installation cost) | 950.00 | $3,583.00 |

Therefore, the additional cost will be $2,359.00. If the other items listed in the contract remain the same, then the change to electric power will exceed the total amount approved in the contract by $2,359.00.

Since the contract specifies rental of a compressor at $50.00 per week for 10 weeks and two jackhammers at $10.00 per week for 10 weeks, making a total of $700.00 for this equipment, the approval for purchasing $3,583.00 worth of additional equipment, which is more than 25 percent of the total cost of the project, could not be justified.

I suggest that you revise your request of May 27 to show rented compressor and jackhammer and keep the cost within the total amount approved for the project.

Yours very truly,

McHenry Mosier, Executive Officer
Bureau-Survey Field Team, Defense
Minerals Exploration Administration
Region VIII

WTM:rcs

copy for FrankJohnson(2)
NedNelson
DMEA files CP(2)

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

June 3, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Executive Officer, Field Team, Region VIII

Subject: May 1952 Progress Report, Contract Idm-E256, Docket No. DMA-2129X

Attached is the original and one copy of the Operator's Progress Report from Richard N. Berry, the Atwood Mine, West Rumney, Grafton County, New Hampshire, for the month of May 1952. This has been approved and is being sent to the Finance Officer, Region VIII, for payment of the Government's share.

McHenry Mosier

McHenry Mosier

Enclosures 2

Operator's Narrative
Millar's Field Inspection Report

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 1952

DMEA
Field Inspection Report
May 25, 1952
W. T. Millar, Engineer

| | |
|---|---|
| Operator: | Richard N. Berry, Residence |
| Address: | 17 Garden Lane<br>Cape Cottage, Maine<br>Mine is near W. Rumney, N.H.<br>Known as, the Atwood Mine |
| Docket No.: | DMEA-2129X |
| Contract Co.: | IdmE-256 |
| Commodity: | Mica |
| Total Cost: | $13,000.00 |
| Government Participation: | 90 percent or $11,700.00 |

Core drilling under this contract was completed May 23, and the core was logged by Glenn W. Stewart. The continuity of the mica bearing zone was indicated in the core and continuing the second and third phase of the exploratory work is considered justified. Arrangements for dewatering the mine were planned to start May 26.

The location of the shaft was discussed with Mr. Berry. It was explained that the location shown on the map is a tentative location and the shaft will have to be definitely located after the mine is dewatered.

W. T. Millar

May 14, 1952

The Atwood Project
Docket No. DMA-2129
Contract No. Idm-E256

Contractor's drill moved on the property today. They should be set up and start drilling Friday. Stewart spotted the drill sites today. Unwatering the mine will be the second stage and will start as soon as drilling indicates the justification.

/s/ W. T. Millar

College Park, Maryland

April 24, 1952

Mr. Richard N. Barry
17 Garden Lane
Cape Cottage, Maine

Re: Docket No. 2129

Dear Mr. Barry:

This acknowledges your letter of April 21, enclosing a copy of the letter which you received from Joy Manufacturing Company pertaining to drilling the Atwood pegmatite.

The rate of $4.95 per foot for AX fittings, 400 feet minimum as quoted by Joy Manufacturing Company is a fair price for a small contract and is satisfactory provided it is agreed that only footage for drill holes completed and accepted are to be paid. The quotation did not mention casing, cementing and reaming which should be taken into consideration. Joy Manufacturing is an experienced reputable company and no doubt will include these items in a more detailed agreement. Enclosed are sample copies of Bureau of Mines forms, 6-757(a), 6-758, 6-758(a) and 6-758(b), for your information.

It is noted that Joy Manufacturing Company requests advanced payment for the minimum footage guaranteed. The Government pays its portion for footage in drill holes completed and accepted, upon receipt of an invoice after it is certified by the executive officer of the DMEA Field Office. In this case the Government's participation is 90 percent and this office is the certifying office. Under the circumstances, possibly the Joy Manufacturing Company may waive the deposit, or if you care to make other arrangements which will not involve the Government, other than specified in the Exploration Project Contract, Docket No. DMA-2129, IdaF-256, that is agreeable.

This confirms the telephone conversation yesterday. We hope you may clear the situation and will be in operation in the near future. If there is any further assistance we can supply, please let us know.

Very truly yours,

McHenry Mosier, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

copy for NENelson
DMEA Files 2

Enclosures

College Park, Maryland

April 24, 1952

Mr. Richard N. Berry
17 Garden Lane
Cape Cottage, Maine

Dear Mr. Berry:

Contribution by the Government to the costs of the work under your Exploration Project Contract No. IdME-256, necessarily depends upon some suitable evidence of the various items of cost to which the Government contributes. Generally, this evidence should be in the form of original or certified copies or certified transcripts of invoices, purchase orders, purchase contracts, or payrolls, for all costs to which the Government is to contribute. Such documentary evidence of each item of cost should be attached to each monthly report on Form MF-104, setting forth costs for contribution by the Government.

If all costs are supported by suitable documentary evidence, in many cases the Government's contribution can be paid in full, currently, as the costs are incurred. As to any items for which such suitable documentation is not provided, auditing of the operator's accounts by the Government, with consequent delay in payment and withholding of final settlement and payment by the Government, will be necessitated.

The certification on such supporting documents may be simply: "Certified true copy (or transcript)," followed by the signature of the operator.

Very truly yours,

McHenry Mosier, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

copy for WChamberlain ✓
DNAnderson, Pgh.
DMEA Files 2

OFFICE OF THE ADMINISTRATOR

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

March 11, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, Bureau-Survey Field Team, Region VIII

Subject: Docket No. DMEA-2129 - Mica
Richard N. Berry
The Atwood Mine
Grafton County, New Hampshire

In reference to your letter of February 19, enclosing original and five copies of Contract IdmE-256, Docket No. DMEA-2129, Richard N. Berry, the Atwood mine, Grafton County, New Hampshire:

The original and three copies of this contract, which have been signed by Richard N. Berry, are attached.

McHenry Mosier

McHenry Mosier

Enclosures 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 11 1952

FILE COPY
SURNAME:

Chapman

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

FEB 19 1952

Mr. McHenry Mosier
Executive Officer
DMEA Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-2129 - Mica
Richard N. Berry
The Atwood Mine
Grafton County, New Hampshire

Dear Mr. Mosier:

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

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

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

A copy of the contract required by the Regional Finance Office will be forwarded directly by the Washington Finance Section.

Sincerely yours,

cc 2/19

(signed) FRANK E. JOHNSON (hb)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures 6

APPROVED:

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

L. P. Thayer (hb)
Member, Geological Survey

TLChapman:gad 2/15/52
Copy to: Admin. Reading File
Mr. Norton, G-228, GSA Bldg.
Mr. Dietrich 3526
Docket File
Mr. Houk

OFFICE OF THE ADMINISTRATOR

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 23 1952

Reviewed by
DMEA OPERATING COMMITTEE
1-28-52
(date)

January 21, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMA-2129, Mica-Beryl
Atwood Mine

In accordance with your letter of January 10 the subject docket has been reconsidered by the Field Team in this office with Mr. N. E. Nelson representing the Geological Survey. Mr. Nelson in turn discussed the proposed exploratory work with Mr. J. J. Norton who has replaced Mr. W. R. Griffitts with the Survey. It was agreed that exploration may be revised to include more underground work.

Surface trenching, to prove the continuity of the pegmatite along the strike, was considered during the field examination and found to be impractical for this particular deposit. Trenching was attempted during previous operations on this deposit and was discontinued because of the depth of trenching required to obtain the desired information. The old trenches are shown on the map attached to the application.

As to beryl, very little information is available. Beryl has been found in this deposit and is included as an accessory mineral in the report by the Field Team. It is possible that considerable beryl may be encountered but the mine has previously been operated for mica.

It was agreed that 3 core drill holes are essential to prove the continuity of the pegmatite and to "indicate" the existence of the mica-bearing zone in order that expensive underground development may be directed to take the best advantage of structural features, and to eliminate unnecessary underground exploratory work as far as possible. This drilling will total 400 feet. Due to the limited abount of drilling, the rate per foot will be increased and for this estimate $5.00 per foot is used.

It was agreed that an inclined shaft from the bottom of the pit along the footwall may be advantageous. The exact location for the shaft will necessarily be selected after the mine is unwatered.

In order to expedite the work, the two phases may be conducted simultaneously by pumping and preparing for shaft sinking while drilling is progressing. However, it is considered advisable to complete the first drill hole before starting subsequent work. Some knowledge of the structural features and characteristics of the pegmatite appears advisable before incurring the expense of equipping and preparing for underground exploration.

In considering this application the Field Team gives weight to the necessity for increasing production of strategic minerals. Pegmatites are among the most unpredictable of known mineral deposits and the valuable minerals occur erratically. There is no proven ore. Exploratory work is necessary to find strategic minerals in any pegmatite and the risk is always great.

The information available on this deposit is considered sufficient to justify the Government's participation in the exploration outlined in the application.

McHenry Mosier

McHenry Mosier

Enclosure: Map showing
diamond drill holes
& probable shaft location.

Cost Estimates
Revised - 1/17/52

DMA-2129

| | Mica-Beryl |
|---|---|
| Atwood Mine - R. N. Berry, applicant. | $10,566.98 |

Equipment for underground work

| | |
|---|---|
| Hoist 2000 #. rope pull, gasoline dr. + freight | $ 1,200.00 |
| Hoist rope 450' - 3/8" @ 17¢ + freight | 85.00 |
| 2 buckets @ $50.00 | 100.00 |
| 1 mine car | 275.00 |
| 1 pump - G. D. Pneumatic VPA (Applicant's quotation) | 305.00 |
| Wooden headframe and bins | 1,500.00 |
| Hoist house and tool shed | 500.00 |
| Small tools | 300.00 |
| Air line - galv. pipe - 1½" - 270' @ | 132.00 |
| Water line 260' - 3" black @ 70¢ | 182.00 |
| | $ 3,579.00 |

Rental Equipment

| | |
|---|---|
| 2 compressors @ $50.00 week for 10 weeks | $ 1,000.00 |
| 2 jackhammers with hose, rods, etc. @ $10.00 week | 200.00 |
| 1 truck, 1,000 mi. @ 10¢ | 100.00 |
| | $ 1,300.00 |

| | |
|---|---|
| Total | $ 4,879.00 |
| Contract Drilling | 2,000.00 |
| Labor & Supplies | 300.00 |
| | $ 7,179.00 |

| | |
|---|---|
| Amount requested in the application | $10,566.98 |
| Less | 7,179.00 |
| Remaining | $ 3,387.98 |
| Shaft Sinking<br>Approx. 53 feet @ $63.00 | 3,388.00 |

ATWOOD MINE
DMEA - 2129

Cost Estimate - Shaft Sinking, 1-15-52 - W.T.M. & M.M.
200-Ft. Incline Shaft (6'x8') 30° Slope.

| Time Required - 100 Shifts<br>Item | Amount | Per foot Advance |
|---|---|---|
| **Equipment:** | | |
| Gasoline Hoist, 7.5 HP 2000# rope pull | $1200.00 | |
| Wooden Headframe & Bins | 1500.00 | |
| Hoist House & Tool Shed | 500.00 | |
| 2 Buckets | 100.00 | |
| 3/8" Hoisting Rope, 450 ft. @ 17¢ plus freight | 85.00 | |
| Mine Car | 275.00 | |
| Air Receiver | 300.00 | |
| Pipe - hose & fittings | 500.00 | |
| Small Tools | 300.00 | |
| Pump & pipe lines | 500.00 | |
| Total | $5260.00 | $ 26.30 |
| **Rental Equipment:** | | |
| 2 - 210 cu. ft. air compressors @ $50 per week | $ 100.00 | |
| 3 - Jackhammers @ $10 per week | 30.00 | |
| Total | $ 130.00 | $ 5.40 |
| **Shaft Sinking:** | | |
| 1. Preparatory work (1 week-Labor) $100 | | $ 0.50 |
| 2. Labor: 2 miners @ $1.40 ) plus 1 hoistman ) per shift $1.40 ) | | 16.80 |
| 3. Supervision (Foreman) $1.50/hr. | | 6.00 |
| 4. Supt. @ $75.00 per week | | 3.15 ? |
| 5. Mechanic $1.50 per hour | | 3.00 ? |
| 6. Disposal of muck at surface | | 5.00 |
| 7. Total Labor | | $ 34.45 |
| 8. Insurance & Liability @ 6.5% ) Social Security, State & Fed. 4.5% ) | 11.0% | 3.80 |
| 9. Timber $100/M | | 2.50 |
| 10. Explosives: Dynamite/ft. 33# Caps/round 3.74 | | 3.45 |
| 11. Operating Supplies | | 2.50 |
| 12. Truck rental 1,000 miles @ 10¢ | | .50 |
| 13. Drill Bits & Steel Rods | | 7.00 ? |
| 14. Contingencies @ 10% | | 8.60 |
| Total | | $ 62.75 |

Denver List - Region V
Nov. 1950 plus 10%

600

FILE COPY
SURNAME:

Houk
Dietrick
Norton

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

JAN 1 0 1952

Mr. McHenry Mosier
Executive Officer, Region VIII
DMEA Field Team
Eastern Experiment Station
College Park, Maryland

Re: Docket No. DMA 2129
Mica-Beryl
Richard W. Berry
Atwood Mine

Dear Mr. Mosier:

Receipt is acknowledged of field team report on the Atwood Mine proposing diamond drilling to be followed by unwatering and underground exploration conditional upon finding extensions of the pegmatite in depth.

In this instance, we believe that exploration can be effected most economically by underground exploration without preliminary drilling. While the drilling program may prove the existence of pegmatite in depth, it will not materially aid in planning development nor will it positively prove the non-existence of mica-rich areas worthy of mining.

Very little information on the beryl potential is contained in the field report. This office, therefore, suggests that the field team reconsider the proposal on basis of underground exploration, and possibly surface trenching.

Sincerely yours,

(signed) FRANK E. JOHNSON (fw)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

LHouk/meh
1/2/52
cc to: Adm. R. Files
Mr. Mittendorf
Mails and Files
Mr. Norton
Mr. Dietrick
Mr. Houk
Region VIII
Docket

1-10-52
J.D.

IN REPLY REFER TO:
G-MD-JJN

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

December 27, 1951

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMA-2129X

To: Non-Metallic Minerals Division, DMEA
From: J. J. Norton, U. S. Geological Survey
Commodity: Mica
Applicant: R. N. Berry
Name of property: Atwood mica mine (General Electric Company mine)
Location of property: Rumney, New Hampshire
Field team's recommendation: Exploration by 7 diamond drill holes totaling about 1,000 feet.

Comments: A geologic map and section seem to show that the mica-bearing shoots plunge northeast. Exploration should be designed to: (1) find down-plunge extensions of known mica shoots, and (2) find new mica shoots.

Down plunge extensions of known mica shoots are best found by extending the underground workings by drifts and winzes that can be used in actual mining. Such work should not be undertaken, however, unless there is assurance that DMPA will set up a subsidy purchase program under which the mine could operate.

New mica shoots should be sought first in trenches, principally to the east of the mine workings. Exploration for new mica shoots is not warranted until the geology at the surface is well known.

ACTION SUGGESTED: Modify field team's recommendations or return to field team for reconsideration in the light of comments made above.

J. J. Norton
for J. J. Norton

IN REPLY REFER TO:

G-MD-JJN

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

December 18, 1951

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMA-2129X

To: Lawrence Houk, Defense Minerals Exploration Administration
From: J. J. Norton, U. S. Geological Survey
Commodity: Mica
Applicant: R. N. Berry, Atwood Mica Mine (General Electric Company mine)
Location of property: Rumney, New Hampshire
Field team's recommendation: Exploration by 7 diamond drill holes totaling about 1,000 feet.

Comments: Our copy of the field team report was not accompanied by the maps and sections that are mentioned in the report. Cost data that presumably were submitted also were missing. When I have obtained a copy of the maps and sections, I may have some questions to raise on the proposed exploration.

ACTION SUGGESTED:

Probably the field team's recommendations should be followed, but I reserve comment until I have obtained a copy of the maps and sections.

J J Norton

J. J. Norton

To Norton
From Houk

We are preparing to recommend elimination of diamond drilling and suggest underground exploration

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON, D.C.~~
College Park, Maryland

J.B.
Dmea. Operating Com.
reviewed 12/10 JB
ZHB.

December 5, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee

From: Executive Officer, Bureau-Survey Field Team, Region VIII

Subject: DMA Docket No. 2129X - Richard N. Berry (Beryl and Mica)

Attached in quadruplicate is a favorable report on the above docket recommending exploration at the Atwood Mine.

In addition the following are enclosed:

- 4 copies of the revised cost estimate.
- 4 copies of a letter confirming the diamond core drilling estimated contract price of $4.00 a foot.
- 4 copies of "Landlord's Subordination Agreement".
- 6 copies of the Exploration Contract, signed by the applicant. 2-18-52
- 4 prints of plan of Atwood Mine Underground Workings.
- 4 prints of Atwood Mine, Geological Map. see contract for this map
- 4 photostatic copies each of 5 sheets of sections of proposed drill holes.

The location of the drill sites and the sections were planned by the Government engineers with the applicant and approved by the applicant. The estimate of cost was revised upon suggestions by Government engineers.

McHenry Mosier

McHenry Mosier

Attachments

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
DEC 6 9 00 PM '51

23 - REVISED COST REQUIREMENTS

| | | |
|---|---|---|
| (a) | Working Foreman -(Handle core, operate pumps, supervise cleaning old workings) @ $1.50 per hour - 592 hours | $ 888.00 |
| | 2 laborers @ $1.25 per hour - 400 hours each | 1,000.00 |
| | Workmen's compensation and general liability insurance, 6½% of the total payroll | 181.22 |
| | Social security, 4½% of total payroll | 125.46 |
| | Overtime based on a 40 hour week: Allow 4 men one day each for 4 weeks 4x8=32 hours per week for 4 weeks=128 hours 128x1½time=192 hours @ $1.25 | 240.00 |
| (b) | Superintendent - 12 weeks @ $75.00 per week | 900.00 |
| | Technical assistance | 500.00 |
| (c) | None | |
| (d) | Tool shed | 250.00 |
| (e) | one VP4 Gardner Denver pneumatic sump pump | 305.00 |
| (f) | 2 compressors @ $50.00 per week for 10 weeks | 1,000.00 |
| | Jackhammer and hose @ $10.00 per week for 10 weeks | 100.00 |
| (g) | Truck rental, 1000 miles @ 10¢ per mile | 100.00 |
| (h) | 40 core boxes @ $3.75 | 150.00 |
| | Water line - 260 feet of 3" pipe @ 70¢ | 182.00 |
| | Gasoline and oil | 100.00 |
| | Miscellaneous tools and supplies | 300.00 |
| | 200 lbs. explosives @ 26¢ | 52.00 |
| | 300 electric blasting caps @ 17¢ | 51.00 |
| | Detonator rental | 10.00 |
| | Air line - 270 feet 1½" galv pipe @ 49¢ | 132.30 |
| (i) | Core drilling contract - 1,000 feet @ $4.00 | 4,000.00 |
| | TOTAL | $ 10,566.98 |

JOY MANUFACTURING COMPANY
88 Brookline Avenue
Boston 15, Massachusetts
Tel COpley 7-1155

August 29, 1951

Mr. Richard N. Berry
57 Glenwood Street
Malden 48, Massachusetts

Dear Mr. Berry:

We sent your core drilling questionnaire to our Core Drill Division in Michigan City, Indiana and have just today received their reply giving us details for a quotation.

In reviewing the questionnaire form we note that there will be nine holes, the minimum depths of which will be 60 Ft. and the maximum depths 150 ft., the size of the core to be two inches in diameter.

On the condition that you will guarantee us a minimum of 1,000 ft. of drilling we will undertake this work at a price of $3.75 per ft. for all drilling with "AX" fittings. Since water for drilling purposes will only be located 100 ft. from the drill holes, we will undertake to furnish and pump the water and also move the drilling equipment between holes. If you desire to save cores of the drilling, then it will be necessary that proper containers be furnished by you.

The questionnaire form states that the work is to begin within 90 days, which would put us into the winter months. At the present time we have a small drilling contract with the Ruberoid Company at Eden, Vermont. As and when this small amount of drilling is completed, we would like to start your job so as to take advantage of favorable weather.

The above quotation, therefore, is based on the condition that we can start the work at West Rumney, N.H. immediately upon completion of the shallow drilling for the Ruberoid Company, which we expect will be within the next two or three weeks.

We will be glad to have one of our men go into this matter of core drilling in greater detail with you, and look foreard to hearing from you as soon as you have considered this quotation. We thank you for your interesting inquiry.

Yours very truly ,

JOY MANUFACTURING COMPANY

s// E. O. Woodman

an attachment
To Dec. 5, 1956

Atwood (General Electric Co.) Mine, Rumney, New Hampshire.

Data from Geological Survey files, data of 1914, 1943, 1944, General Geology.

An irregular mica-bearing pegmatite sill, striking nearly east and about 300 feet long and 2½ to 20 feet wide is in quartz-biotite-muscovite and quartz-sillimanite schist. The dike pinches and swells, the elongate, thick rolls plunge 30 to 60 degrees to the NE.

Pegmatite.

Largely plagioclase and quartz, with a little microcline-perthite and muscovite. Biotite, tourmaline garnet and beryl are accessory minerals. The inner part of the pegmatite body is perthite-plagioclase-quartz pegmatite, with pods of quartz 1 to 4 feet long.

Occurrence of mica.

Mica is most abundant in a ½ to 3 foot thick zone along the hanging wall of the sill. The richest shoots are in the thick north-eastward plunging "rolls" of pegmatite. The recoverable crude mica content of the pegmatite mined in 1943 and 1944 was a little below 2%. Mica also occurs along the margins of quartz pods.

Properties of mica.

The crude books average about 4 x 5 inches, although a few as broad as 2 feet have been found. The mica is "light to medium rum," which probably would be ruby - flat and ruled. Primary mineral stains appear to be absent and clay stains are restricted to the uppermost parts of the deposit. The recovery of sheet from the mine-run appears to be high, as is the quality of the sheet obtained. Most of the sheets are small.

Occurrence of beryl.

Beryl does not occur in a continuous zone, but crystals are scattered through the pegmatite. The beryl content of the pegmatite is very low. The beryl crystals generally are 1 to 2 inches in diameter but Sterrett, in 1914, saw one 10 inches in diameter on the dump. It is doubtful that much beryl can be recovered even as a by-product.

Occurrence of feldspar.

Potash feldspar is common in the inner part of the pegmatite sill, but apparently in small amounts. It is doubtful that more than a few percent of the rock moved could be recovered as feldspar.

Suggested exploration.

The most promising places to explore were thought to be east of the 1944 workings at the 446 foot level and along the plunging keel of the schist wedge shown in sections C - C' and D - D'.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

DEC 6 1 00 AM '51

DMA FIELD TEAM REPORT

ATWOOD MICA MINE
RUMNEY, NEW HAMPSHIRE
DMA Docket No. 2129X

November 1, 1951

RECOMMENDATIONS

It is recommended that this application be approved provided that the drill sites be located and the drill core logged by a competent engineer. Also, close observation by a Government representative will be required to observe changes in the structure and to verify the location of successive drill sites for the proposed exploratory work.

INTRODUCTION

The Atwood Mine formerly known as the General Electric Co's mine, is in the town of Rumney, 0.5 mile N. 75° W. of the village of West Rumney, Swainboro Station, on the Boston and Maine Railroad. The mine may be reached from West Rumney by following State Highway No. 25 northwest for 0.4 mile to a woods road on left; turn left and follow woods road 0.2 mile southwest to a point below the mine.

The mine was visited on October 22, 1951 by the DMA Field Team, W. T. Millar of the Bureau of Mines and Glenn W. Stewart of the U. S. Geological Survey. Mr. Richard N. Berry, 17 Garden Lane, Cape Cottage, Maine, lessee of the property was present.

Operations on this property were suspended about the end of 1944 when the demand for strategic mica was relieved. The mine workings were permitted to fill with water and were inaccessible at the time of this visit.

The data for this investigation are taken from a report and maps prepared by G. W. Stewart of the U. S. Geological Survey prior to the suspension of operations during World War II, and who is now serving on the Bureau-Survey Field Team for this investigation.

Exploration of this pegmatite by core drilling was scheduled for the summer of 1944, but work was postponed due to the curtailment of the mica program. The present drilling program appears to be justified on the basis of (1) inadequate geologic data for forecasting plunge and continuity of the pegmatite down dip and along strike, (2) determining whether the existing mica-bearing wall zone continues downward and eastward beyond the present workings, and (3) discovering and mining strategic mica as a measure of mineral preparedness.

MINE WORKINGS

The main operation was an open pit 160 feet long and 20 to 30 feet

ON-SITE REPORT

wide. At the northeast end there are two open stopes connected by a cross-cut (see plan of 462-foot level). The northeast stope is about 50 feet long, 5 to 10 feet wide, and 20 to 25 feet high. The floor of this stope is approximately 40 feet below the rim of the pit. The floor of the larger stope, 60 feet long, 20 to 40 feet deep and 10 to 16 feet wide, is inclined and slopes about 15° northwest toward the cross-cut. Approximately 60 feet below the rim of the pit there is a drift about 10 feet long, 5 feet wide, and 7 feet high (see plan of 446-foot level). The old workings are partly backfilled, and in general, are inaccessible.

## GENERAL GEOLOGY OF THE PEGMATITE

The pegmatite has an exposed strike length of 240 feet and ranges from 3 to 20 feet thick. It strikes irregularly eastward, dips from 30° to 90° N., and probably plunges northeasterly. It is essentially parallel to the foliation of the wall rock, but in places is sharply discordant. An off-shoot that strikes approximately N. 40° E. extends from the pegmatite near the center of the open pit. The keel of the schist wedge separating the off-shoot from the pegmatite plunges approximately N. 30° to 35° E. at an angle of 40 degrees. The crest of the off-shoot is exposed in the roof and northeast face of the northeast stope where it plunges 30° to 60° NE. Sharply defined rolls occur along the hanging wall of the off-shoot and in the old workings along the main pegmatite. Rolls occur on the footwall also but are less conspicuous. The plunge of the rolls along the hanging wall varies with the dip of the pegmatite, from approximately 40° in the old workings to 90° in the northeast stope. The plunge of the rolls is usually between 60° and 70°; in the footwall the plunge is much lower. No well defined rolls occur in the east end of the main stope and the rolls appear to be absent westward from the old workings.

The wall rock is quartz-sillimanite schist of the Littleton formation. The strike and dip of the foliation is very irregular.

The pegmatite has a border zone, 4 to 12 inches thick, composed of fine to medium-grained quartz, albite, muscovite, and accessory garnet and tourmaline. The wall zone, 6 inches to 3 feet thick, is discontinuous. It is composed of sheet-bearing muscovite books, medium-grained quartz and albite. This zone is 1½ feet thick in the hanging wall part along the western face of the old workings; 1 to 3 feet thick in the old workings, and 1 to 2 feet thick in the off-shoot. In places it wraps completely around the crest of the off-shoot, but it is discontinuous along the footwall. It is present along the keel of the schist wedge between the off-shoot and the main pegmatite. The intermediate zone, 1 to 12 feet thick, is composed of quartz, albite, small amounts of perthite and accessory tourmaline and beryl. The core is discontinuous and has a maximum thickness of 2 to 3 feet. It consists of isolated quartz pods, 1 to 4 feet long in the central part of the pegmatite. Muscovite books are unevenly distributed along the margins of the quartz pods.

## GENERAL DESCRIPTION AND OCCURRENCE OF MUSCOVITE MICA

Muscovite mica is unevenly distributed in both the hanging wall and footwall parts of the wall zone, but is most abundant in the hanging wall

part, in which the muscovite content is highest in shoots parallel to the rolls in the hanging wall. Most of the sheet muscovite is light to medium rum, hard, flat, ruled and slightly stained. The books average 4 to 5 inches, but occasionally books 18 x 18 inches have been recovered. Muscovite is not uniformly distributed and no definite mica shoots have been observed in the wall zone on the footwall side of the pegmatite. The muscovite books associated with the margins of the small isolated quartz pods were larger, and in general, yielded a better quality of sheet muscovite than those taken from the wall zone. The mica exposed in the accessible parts of the old workings is very hard, flat and slightly ruled. The books are slightly smaller on the average, but appear to have a better quality than those books mined in 1943-44.

After the field investigation and reviewing the report and maps of this deposit, it appears that core drilling is the most logical means for determining the continuity and structural characteristics of this deposit. Provided the core drilling indicates the existence of the mica-bearing zone at depth, then dewatering the old workings for further examination is justified.

## DESCRIPTION AND LOCATION OF DIAMOND DRILL HOLES

The proposed sites of the diamond drill holes have been made on the accompanying map. Sections have been drawn to show the probable depth at which the pegmatite may be intersected.

Hole-1: Two shallow exploratory trenches were made along the outcrop of the wall rock to ascertain whether the pegmatite continues westward beyond the open pit. The pegmatite was not found in either trench.

It is recommended that hole 1 be drilled S. 21° W. at an angle of minus 70° for at least 80 feet to find out if the pegmatite continues westward beyond its westernmost exposure in the main pit.

Hole-2: In the accessible parts of the old workings the hanging wall part of the wall zone contained hard, flat muscovite books which were apparently too small for profitable recovery during the early period of operation.

It is recommended that hole 2 be drilled S. 11° W. at an angle of minus 70° for at least 140 feet to establish the existence of the pegmatite and determine the continuity of the unmined portions of the mica-bearing wall zone down dip.

Hole-3: The site for hole 3 was chosen arbitrarily along the line of Section C-C' to establish the down-dip continuity of the pegmatite and the mica-bearing wall zone.

It is recommended that hole 3 be drilled S. 28° E. at a minus 70° angle for at least 200 feet.

Hole-4: If possible, the general plunge of the off-shoot from the main pegmatite should be determined. No reliable data are available to forecast its behavior. It is essential to establish the continuity of the main

pegmatite and probable existence of the mica-bearing wall zone.

It is recommended that hole 4 be drilled S. 28° E. at a minus 50° angle for at least 140 feet.

Hole-5: The keel of the schist wedge has been projected and located on section G-G'. If the schist wedge continues to plunge in the same direction and at the same angle, hole 5 should intersect the off-shoot and continue through the main pegmatite. To establish the continuity of the schist wedge by intersecting the off-shoot would materially add to the mica reserves because the mica-bearing zone along the keel has been productive.

It is recommended that hole 5 be drilled S. 28° E. at an angle of minus 70° for at least 180 feet. This hole will be drilled from the same site as hole 4.

Holes 6 and 7: Holes 6 and 7 are suggested for determining the continuity of the pegmatite down dip and along the strike east of the main workings. If the mica-bearing zone is present, it should be possible to recognize it by its mineralogy and texture.

It is recommended that hole 6 be drilled S. 28° E. at an angle of minus 70° for at least 160 feet. Hole 7 should be drilled S. 28° E. at an angle of minus 70° for at least 130 feet.

## SUMMARY

Assuming that the pegmatite will have an average thickness of 10 feet and using the drill holes as the cut-off depth approximately 45,000 tons of pegmatite could be inferred east of section C-C'-C''.

## CALCULATIONS

| | | |
|---|---|---|
| Hole 3 ..... 60' by 10' ..... | 600 | square feet |
| Hole 4 and 5-100' by 10' ..... | 1000 | " " |
| Hole 6 ..... 50' by 10' ..... | 500 | " " |
| Hole 7 ..... 50' by 10' ..... | 500 | " " |
| | 2600 | square feet |
| | 200' | strike length |
| | 520,000 | cubic feet of pegmatite |

Using a factor of 11.5 cubic feet per ton, there are approximately 45,000 tons of pegmatite.

During the operation of 1943-44 the recovery of mine-run mica was 2 percent. Therefore, approximately 900 tons of mine-run mica might be recovered. It is believed that more efficient mining methods should increase the percent of mine-run mica. amount of good stained or better

No attempt has been made to have the diamond drill hole intersect any mica shoots. The purpose of the drilling is to determine the continuity

of the pegmatite and existence of the mica-bearing zone.

LENGTH OF HOLES

| | |
|---|---|
| Hole 1 .... | 80 feet |
| Hole 2 .... | 140 feet |
| Hole 3 .... | 200 feet |
| Hole 4 .... | 140 feet |
| Hole 5 .... | 180 feet |
| Hole 6 .... | 160 feet |
| Hole 7 .... | 130 feet |
| | 1030 feet |

October 25, 1951

Submitted by:

Glenn W Stewart

Glenn W. Stewart
U. S. Geological Survey

W. T. Millar

W. T. Millar
U. S. Bureau of Mines

FILE COPY
SURNAME:

Barr
Jason
Kim

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION 370
WASHINGTON 25, D. C.

OCT 1951

Mr. Richard N. Berry
57 Glenwood Street
Malden 48, Massachusetts

Subject: DMA-2129X - Beryl & Mica

Q. E. C.

Dear Mr. Berry:

Your application is being referred to Mr. McHenry Koster, Executive Officer, DMA Field Team, Region VIII, Eastern Experiment Station, College Park, Maryland, for further information.

Sincerely yours,

SIGNED

Tom Lyon, Director
Supply Division

RWA SKEY:mp
10-11-51
cc: Field Team, Reginn VIII (2)
DMA ~~Field Team~~, Docket File
Mr. Barr

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

370

OCT 17 1951

Mr. McHenry Mosier, Executive Officer
DMA Field Team, Region VIII
Eastern Experiment Station
College Park, Maryland

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Applicant Richard H. Barry

Docket No. DMA-2129X

Commodity Beryl-Mica

Amount $ 90% of $10,250.00

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

IN REPLY REFER TO:

G-MD-WRG

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

October 11, 1951

Memorandum

To: Robert Waskey, Defense Minerals Administration

From: W. R. Griffitts, U. S. Geological Survey

Subject: Application DMA-2129 from Richard N. Berry for exploration of the Atwood Mica Mine, Grafton County, New Hampshire.

This application, DMA-2129 is from Richard N. Berry, who wants $9,225 from the Government but doesn't tell where he wants to drill his holes or carry on his underground exploration. It is difficult to evaluate this application because of the lack of information about the applicant's plans.

The recoverable mica content and size and quality of the sheet obtainable cannot generally be determined by diamond drilling. Drilling is very effective in exploring mica deposits wherever one can infer that any pegmatite present at a particular point would be mica-bearing. This would be true if the mica were in a shoot, whose position and attitude were known, or in disseminated deposits that contain mica throughout. In the shoot deposits, it is necessary to prove that the pegmatite body continues along the extension of the shoot. In the disseminated deposits it is, of course, merely necessary to find an extension of the pegmatite body. In either type deposit a single hole will give a lot of information. The Atwood deposit is neither a disseminated deposit nor one with a large, well-defined mica shoot with a predictable trend. Several shoots have been found, as well as much mica-poor pegmatite. It is highly doubtful that pegmatite from the shoots with 2% recoverable mica could be distinguished from the leaner rock that is outside of the shoots from core samples alone. Interpretation of diamond drill data would be difficult unless enough holes were drilled to reveal the thick and thin parts of the pegmatite. I am not at all certain that diamond drilling would be very practical at the Atwood mine for anything but locating the down-plunge part of the schist wedge shown in sections B-B' and C-C'. This might be of value as good mica concentrations have been found around the lower part of the wedge.

Underground exploration perhaps would be most likely to succeed if the workings were extended about normal to the plunge of the mica shoots. This would best be accomplished by a shaft inclined to the west.

This seems to be one of the mines in which exploration and development work are difficult to separate. It would be extravagant to unwater and clean out the old workings and then drive enough new workings to prove large reserves.

I am somewhat curious about the covered pegmatite east and west of the mine openings. The pegmatite might be mica-bearing as the wall zone--which contains most of the mica--is supposed to be persistent. The largest amount of information for each taxpayer's dollar spent could probably be gotten by trenching in the covered areas.

It might be well to refer the application to the field team. to determine if there is some place where a diamond drill hole could profitably be drilled, where underground exploration could be recommended, or where trenching would be worth while.

W R Griffitts

W. R. Griffitts

6/5/51

Defense Minerals Administration 10-11-51

Review of Application for Exploration Assistance

Docket No. 2129

Commodity Beryl-Mica

Total Amount $10,250

Govt. Participation 90%

1. Name and Address of Applicant Richard N. Berry
57 Glenwood Street, Malden 48, Mass.

2. Location of Property Atwood Mine — Rumney, New Hampshire

3. Mineral or metal Beryl-Mica Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good SEE Memo Attached

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes, lessee
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? yes

a) MF-201? -

b) MF-202 Inform Applicant These Must be Furnished

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower yes

b) Equipment and supplies yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* yes

d) Water (question 13)* yes

e) Power (question 13)* yes

Is a field check needed on any of these points? yes (b)

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* yes

Is a field check needed on this point? yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? NO

If not, are there sufficient data given so that you can describe the project? NO If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? Maps submitted do not show proposed work

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Insufficient detail given to decide what part of the proposed work would qualify - A more detailed proposal should be worked out with Applicant - See Griffiths memo

If not, what part of it is?

Is this part a worthwhile exploration project? Field Team Decide

d) Are the cost estimates detailed? Fairly well

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? NO If so, attach a draft.

e) Are the cost estimates reasonable? Insufficient data

f) Should more information be requested from applicant? By Field Team

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

b) If so, are sufficient data furnished? NO If so, attach a draft.

c) Is a field check needed? Yes - Actual Need

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? NO If so, attach a draft.

c) Are rents and charges reasonable? Appear so

d) Is a field check needed? Yes - Check needs & value of equipment owned by Applicant to establish rental basis -

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes if needs can be shown -

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? Probably

d) Are the proposed wages and salaries reasonable? Too much supervision

e) Is a field check needed? Yes - Establish actual Needs

14. Exhibit E (question 23-c)*

a) Is it applicable? N/O

b) Sufficient data? —

c) Reasonable? —

d) Field check needed? —

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Proposed work program is too indefinite — Work out a suitable program with Applicant and supply necessary contract data — Work should be outlined on Applicants map or a new map submitted showing location and extent of work to be done —

Reviewed by: R W Wasley

Date 10/11/51



97692

Mr. Richard N. Berry
57 Glenwood Street
Malden 48, Massachusetts

Subject: DMA-2129
Re: Exploration Loan
Atwood Mica Deposit

My dear Mr. Berry:

This will acknowledge receipt of your application dated September 29, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2129 and referred to the Industrial Minerals Branch.

Kindly refer to DMA-2129 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

RICHARD N. BERRY
57 GLENWOOD STREET
MALDEN, MASSACHUSETTS

dma 21219

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 3 2 04 PM '51

September 29, 1951

Defense Minerals Administration
Department of the Interior
Washington 25, D.C.

Gentlemen:

Enclosed are forms MF 100 and 103 submitted in accordance with appropriate portion of the Defense Minerals Act covering exploratory assistance requested to develop leased property in West Rumney, New Hampshire for procurement of strategic mica and beryl ores.

Very truly yours

Richard N. Berry

RICHARD N. BERRY

OFFICIAL FILE COPY

| To | Init. | Date |
|---|---|---|
| 370 | BL | 10-5-51 |
| | | |
| 210 | | |

Dates
Contract Feb. 18, 1952
Completion Dec. 18, 1952
Amendments: 1 (Sept. 13, 1952)

Contract # Idm-E256
D.M.E.A. # 2129
Name: Richard N. Berry
Form: Old

| CONTRACT ALLOWANCE | ITEM | MAY AMOUNT | MAY PER FT. | JUNE AMOUNT | JUNE PER FT. | JULY AMOUNT | JULY PER FT. | AUGUST AMOUNT | AUGUST PER FT. | SEPTEMBER AMOUNT | SEPTEMBER PER FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $2,500.00 | Diamond Drilling | 200475 | 435 | 200475 | | 200475 | 495 | | | | |
| 521.00 | Dewatering | 30154 | | 80690 | | 95937 | | | | | |
| 800.00 | Equipt. Rented | | | | | 19420 | | 22000 | | 58000 | |
| 2,303.00 | Equipt. Purchased | | | 17900 | | 180524 | | 19892 | | 19892 | |
| 1,095.00 | Fixtures & Improvements | | | | | 39051 | | 57782 | | 58224 | |
| 3,659.00 | Shaft Sinking | | | | | 92574 | | 136045 | 7558 | 181176 | |
| 2,122.00 | Driving | | | | | | | | | | |
| 13,000.00 | | 230629 | | 299065 | | 628181 | | 237719 | | 318095 | 9520 |

405 Feet

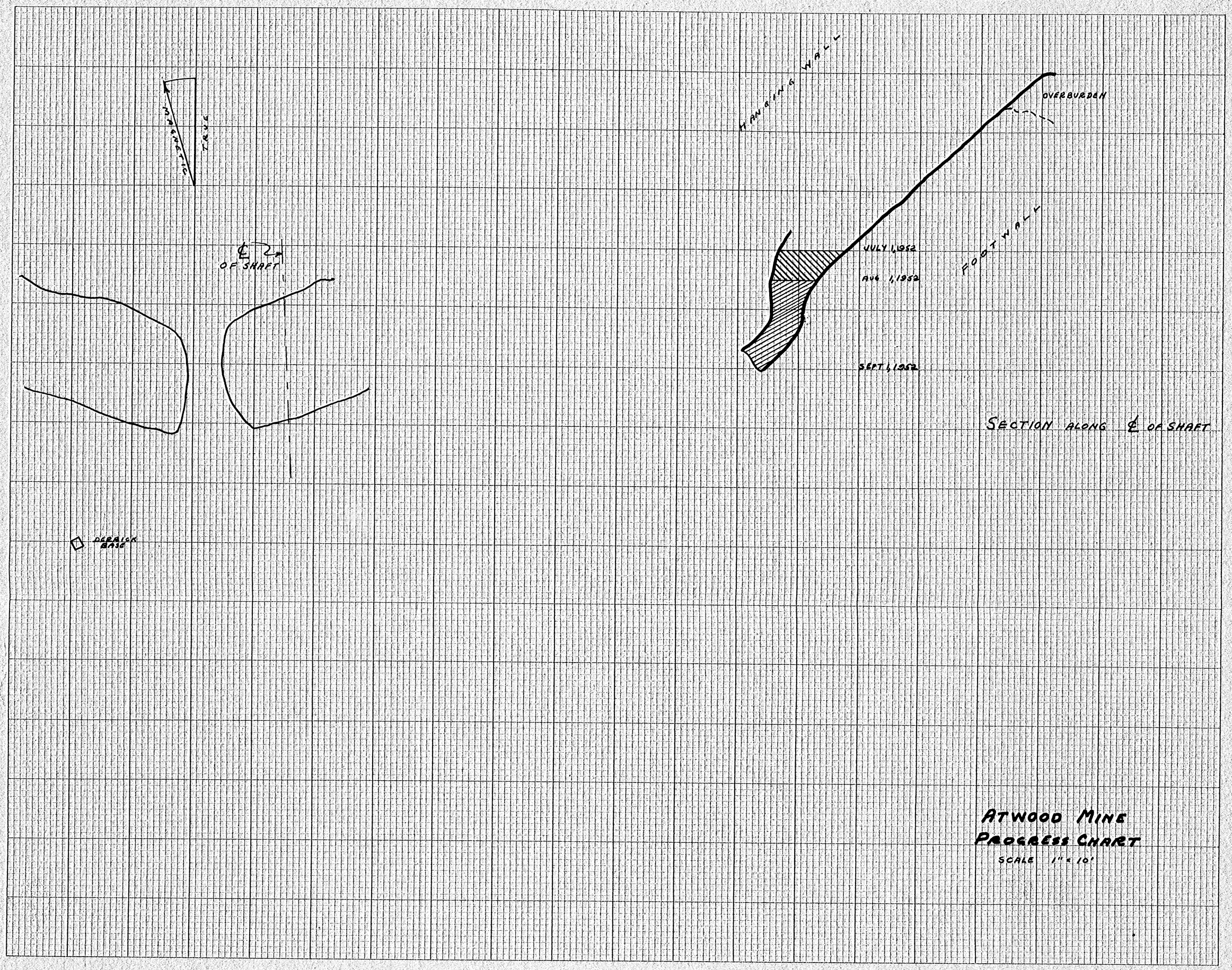
18' of inclined shaft 5x8 @ 30° to 40°

44' of inclined shaft 5x8 @ 30° to 40°

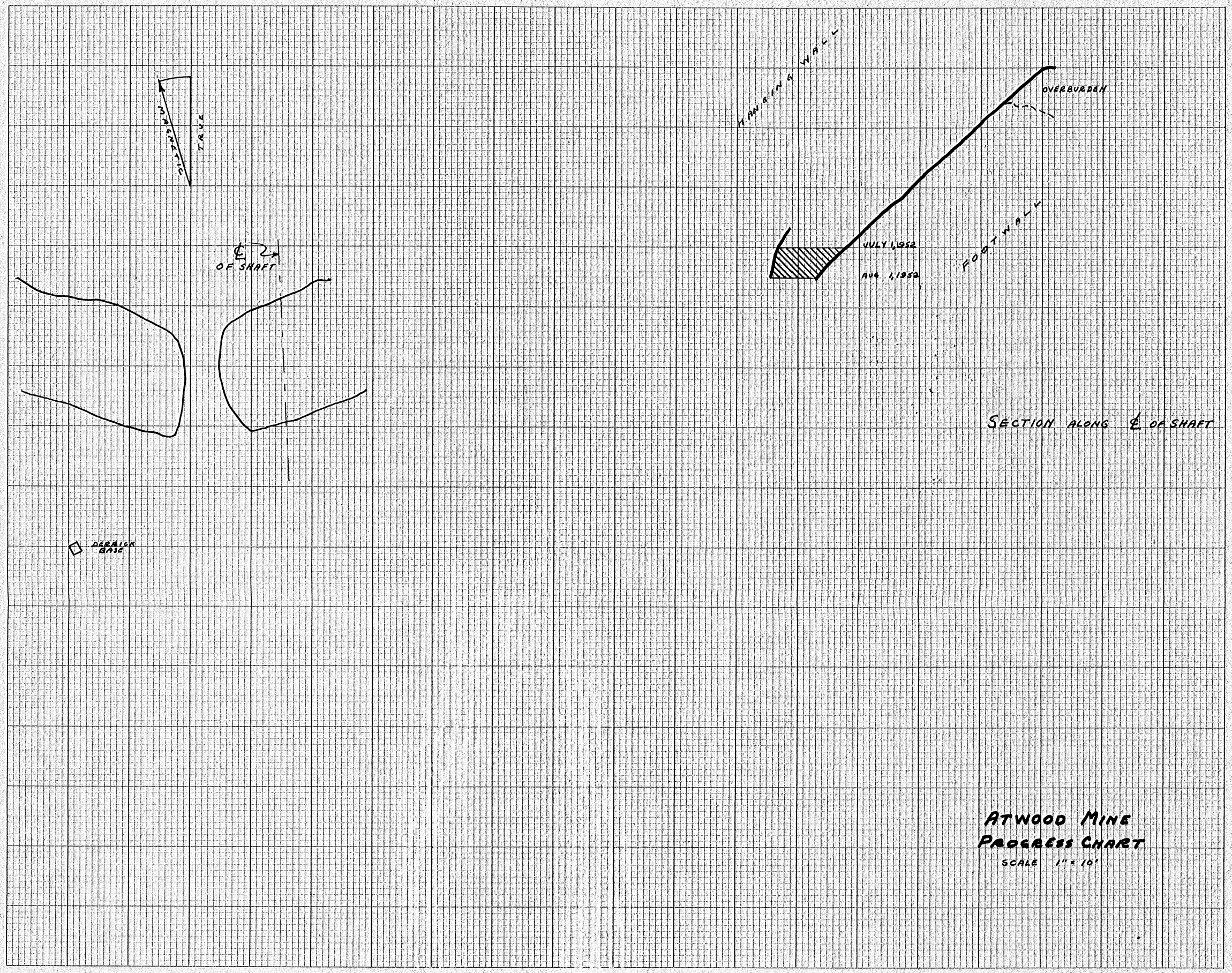
| | OCTOBER | | NOVEMBER | |
|---|---|---|---|---|
| Diamond Drilling | | | | |
| Dewatering | | | | |
| Equipt. Rented | 26000 | | 260 - | |
| Equipt. Purchased | | | | |
| Fixtures & Improvements | | | | |
| Shaft Sinking | 61731 | 3858 | | |
| Driving | 92597 | 4209 | 15376 | |
| | 180328 | | 179276 | |

16' of sinking
22' of driving

35' of drifting




STANDARD CROSS SECTION
ENGRAVING 280-10X10 TO THE INCH
MADE IN U.S.A. PRINTED IN U.S.A.
KEUFFEL & ESSER CO. NEW YORK.




STANDARD CROSS SECTION
ENGRAVING 230-10X10 TO THE INCH
KEUFFEL & ESSER CO. MADE IN U.S.A.

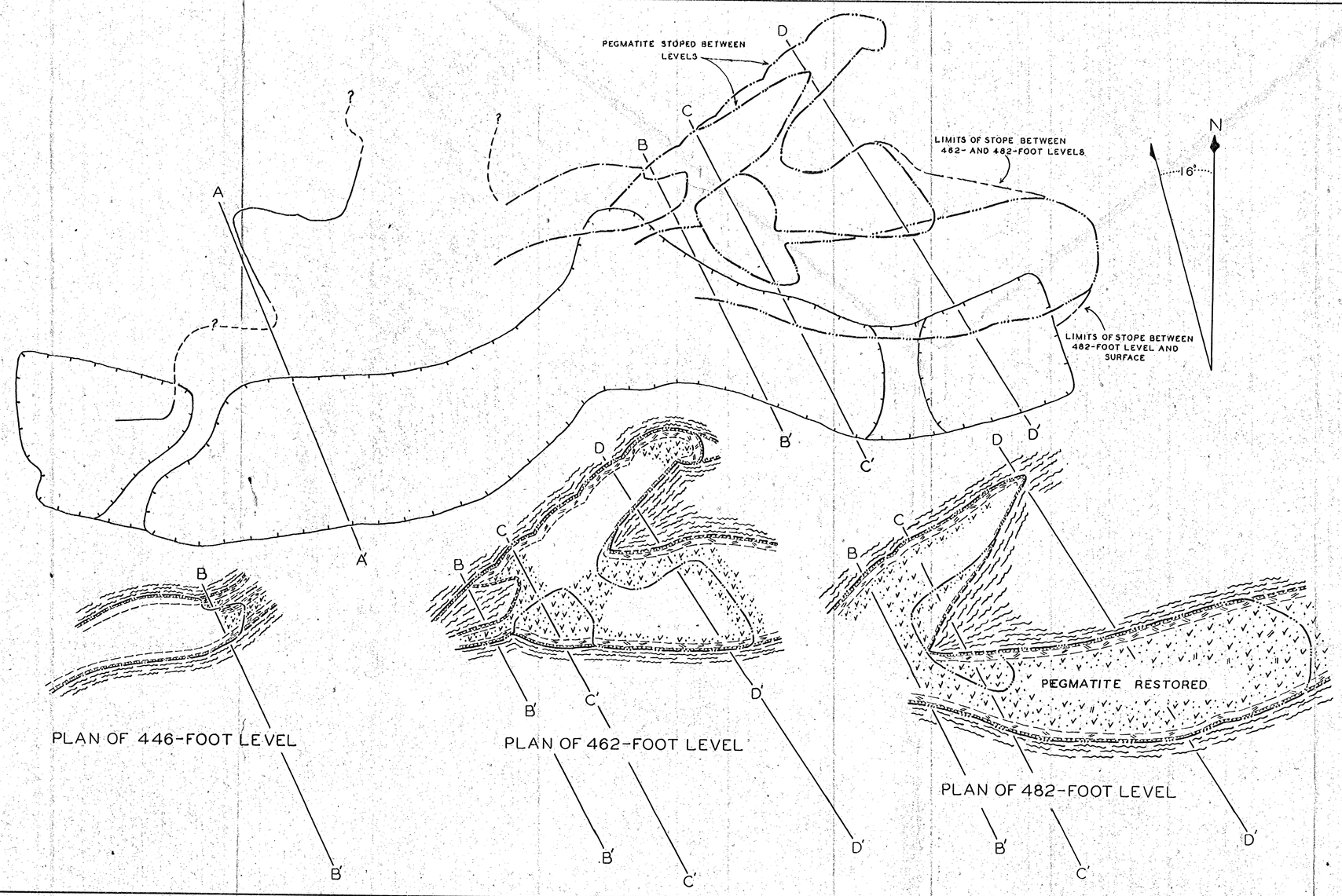
KEUFFEL & ESSER CO. NEW YORK.

Code Nos. 12-18 - 7/7/44

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

# PLANS OF UNDERGROUND WORKINGS OF ATWOOD MICA DEPOSIT (GENERAL ELECTRIC CO'S MINE) RUMNEY, N.H.




SCALE

0 10 20 30 40 50 60

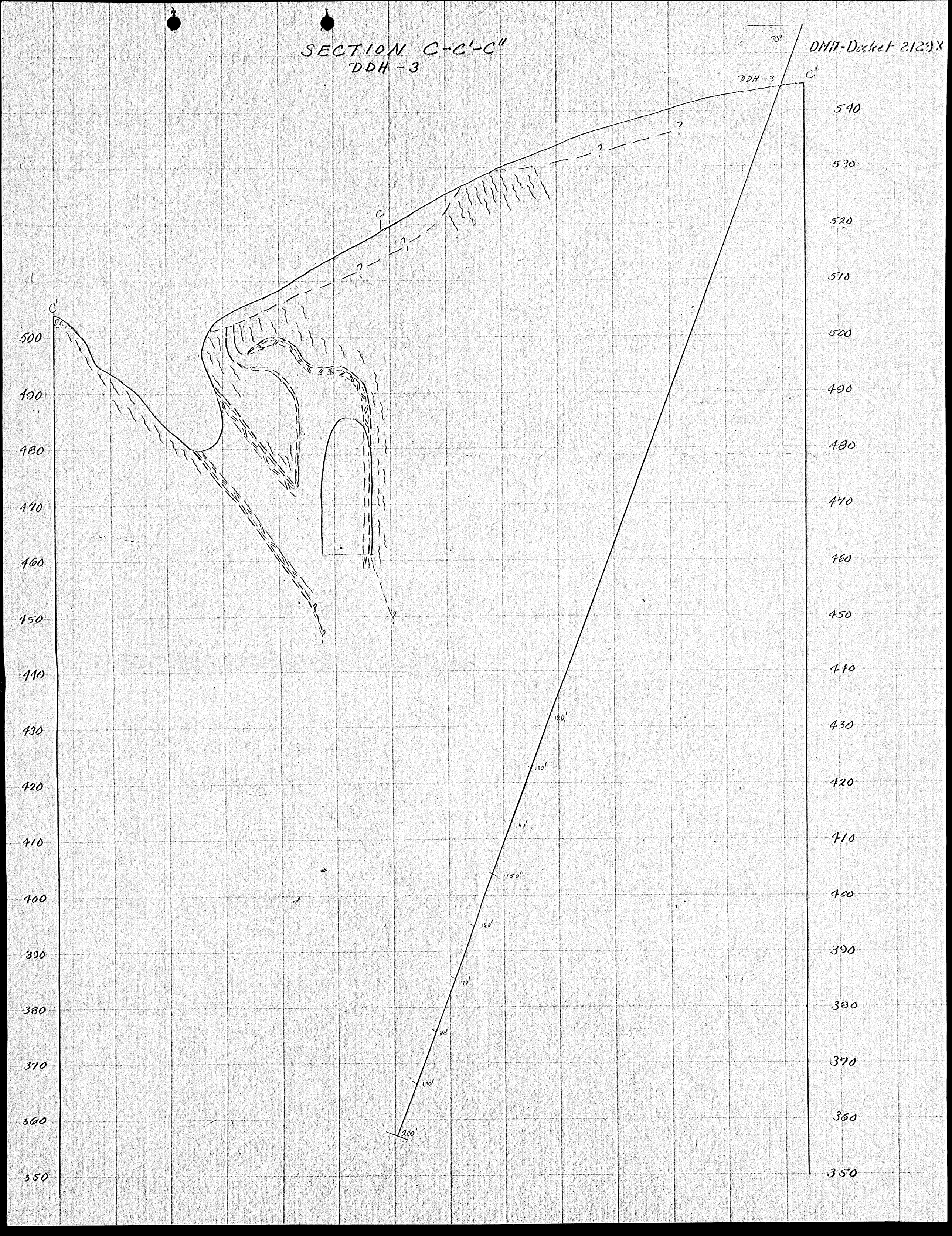
FEET

## LEGEND

- QUARTZ-MICA AND QUARTZ-SILLIMANITE SCHIST
- PEGMATITE
- BORDER PHASE
- QUARTZ-PLAGIOCLASE-SHEET MUSCOVITE ZONE
- PERTHITE-BEARING QUARTZ-PLAGIOCLASE ZONE WITH SHEET MUSCOVITE
- LIMITS OF OLD WORKINGS, DASHED WHERE INFERRED
- PLAN OF 446-FOOT LEVEL
- PLAN OF 462-FOOT LEVEL
- PLAN OF 482-FOOT LEVEL
- CONTACT, DASHED WHERE INFERRED
- RIM OF PIT

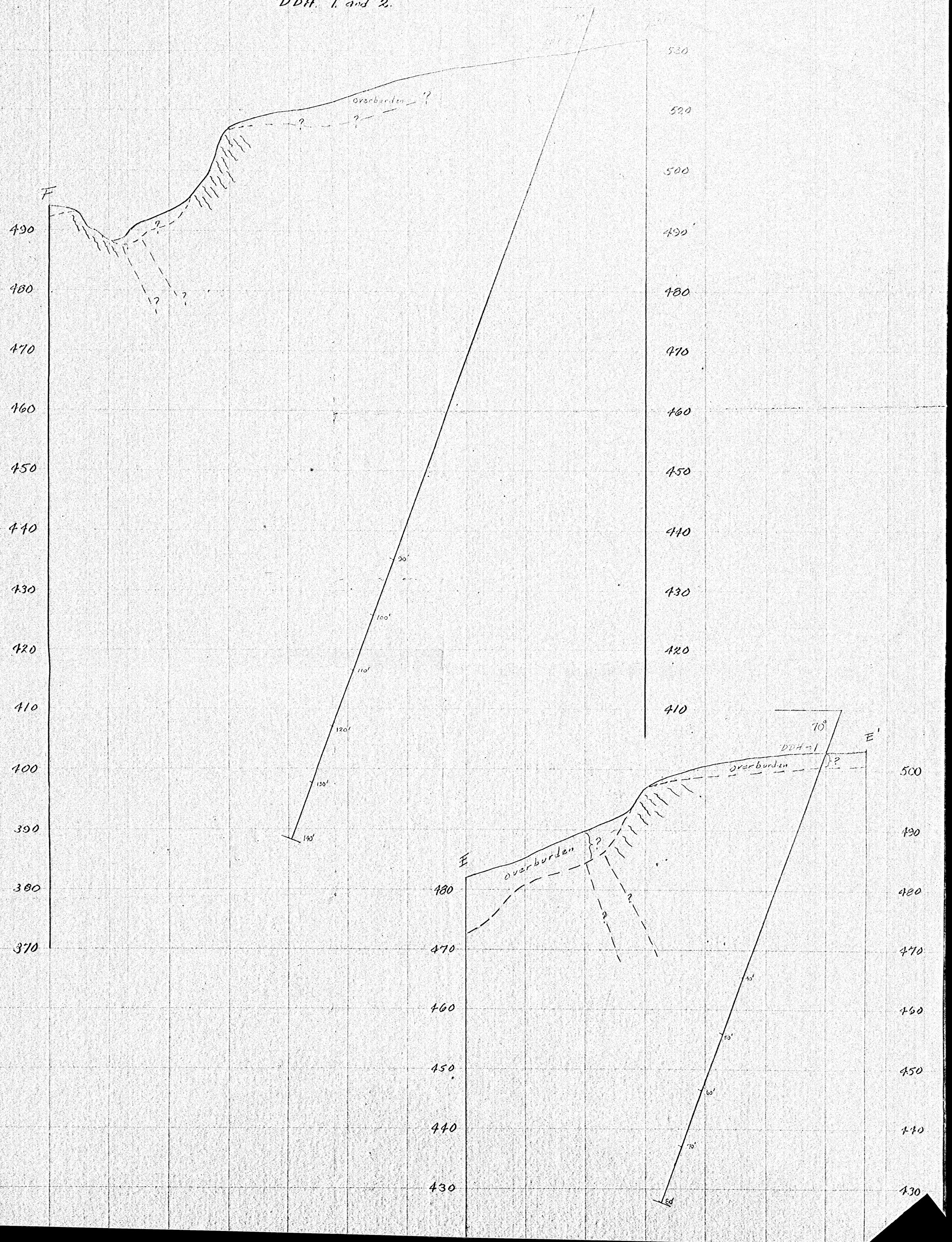
DMA- Docket 2129-X

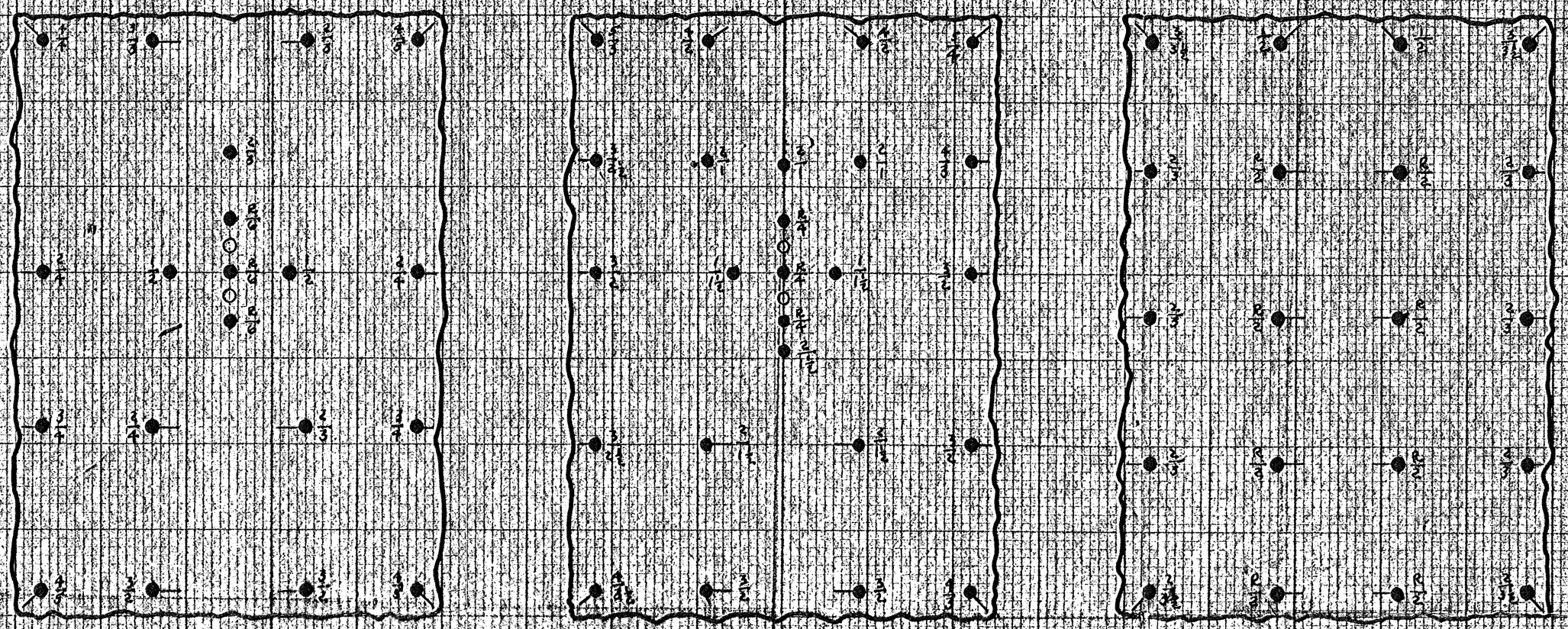
GEOLOGY AND TRANSIT SURVEY BY
G. W. STEWART AND N. K. FLINT, JUNE 11-17, 1944


SECTION C-C'-C''
DDH-3
DMM-Docket 2129X
70°
DDH-3
C''
C
C'
540
530
520
510
500
490
480
470
460
450
440
430
420
410
400
390
380
370
360
350
500
490
480
470
460
450
440
430
420
410
400
390
380
370
360
350
120'
130'
140'
150'
160'
170'
180'
190'
200'

# SECTIONS E-E' and F-F'
DDH. 1. and 2.

DMH - Docket No. 2129 X





| TYPE OF PATTERN | BURNED CUT | BURNED CUT | WEDGE CUT |
|---|---|---|---|
| DEPTH OF HOLES | 4' | 4 | 4' |
| DYNAMITE, LBS | 38 | 29 | 26 |
| CAPS | 20 | 25 | 20 |
| DEPTH PULLED | 4' | NONE | 3'-3' |
| FOOTAGE DRILLED | 88 | 108 | 80 |
| FRAGMENTATION | EXCESSIVE SMALL MATERIAL | NONE | IRREGULAR |

HOLE NOTATION — $\frac{4}{5}$ — 2 #ARREGULAR DELAY CAP. WITH 5 ½# STICKS 40% GRATIN

DRILLING PATTERNS, LOADING DIAGRAMS, ETC.

FUSING ORDER

CROSSCUTTING WORK

ONE INCH EQUALS 10 FT.

STANDARD CROSS SECTION ENGRAVING 260-40X10 TO THE INCH

KEUFFEL & ESSER CO. NEW YORK

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

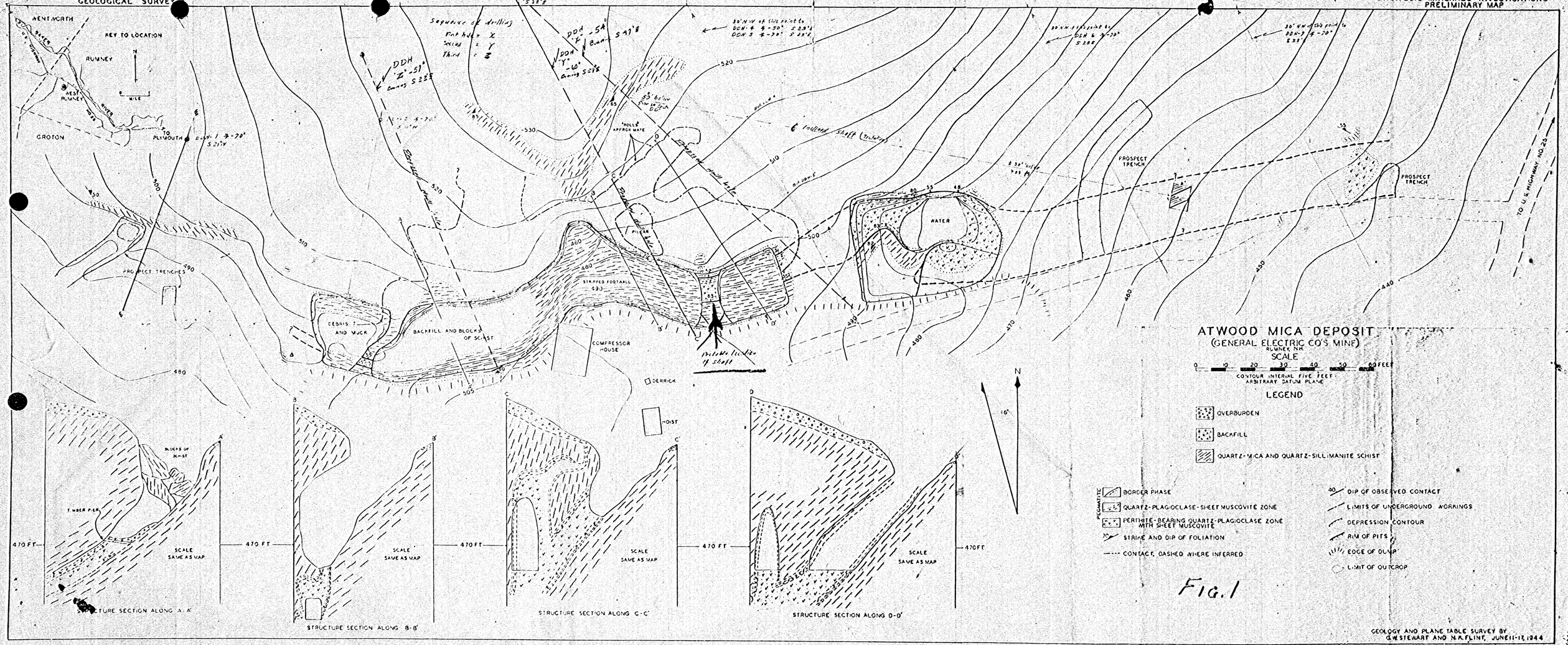
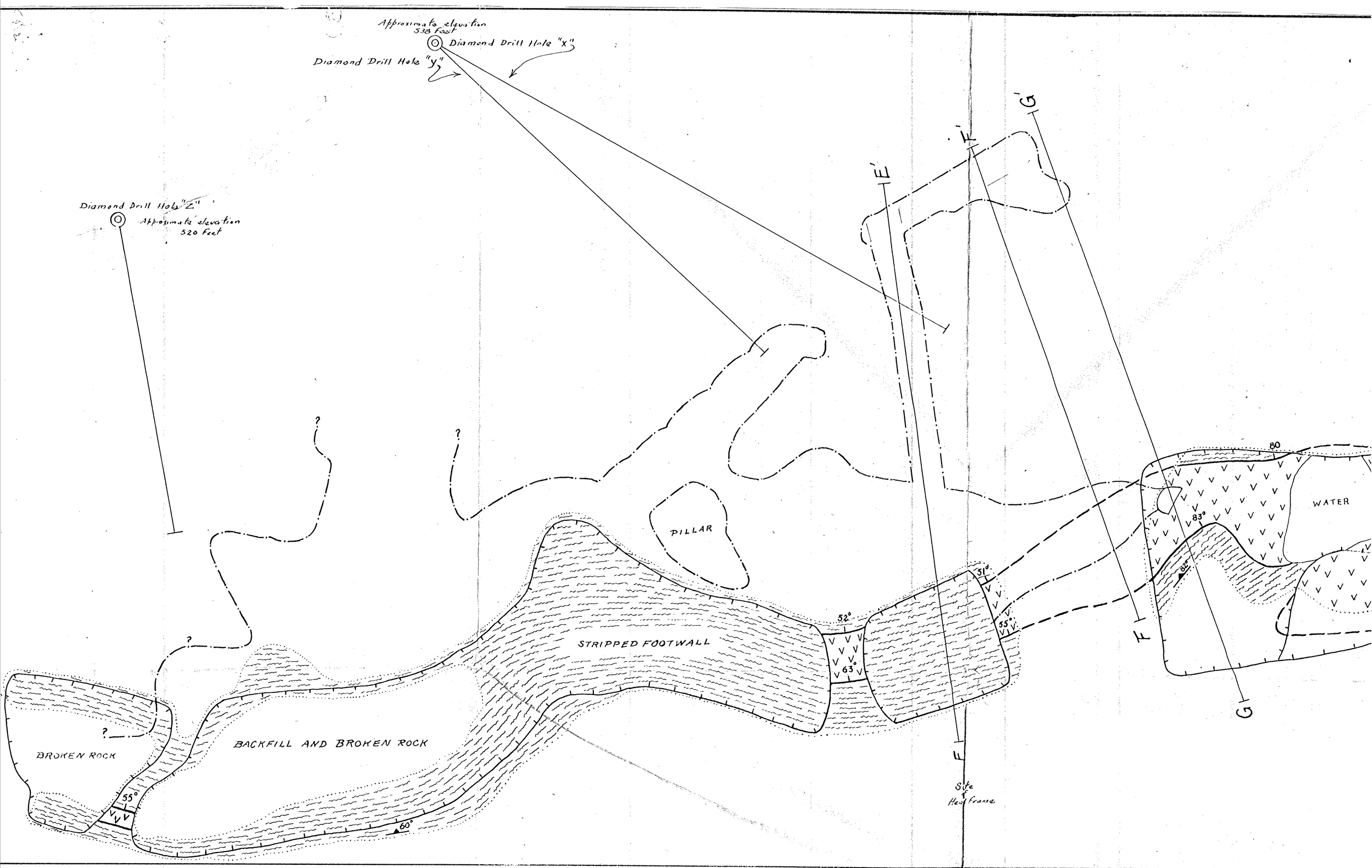



FIG. 1

GEOLOGY AND PLANE TABLE SURVEY BY
G.W. STEWART AND N.R. FLINT, JUNE 11-17, 1944

OMGB-2129
REDUCED TO 8½ X 11




# LEGEND

# ATWOOD MICA MINE

RUMNEY, N.H.

NOTE: This map is incomplete and should be attached to a copy of the original Atwood map — June 11-17, 1944 by G.W. Stewart and N.K. Flint, U.S. Geological Survey

- Overburden
- Quartz mica and quartz-sillimanite schist
- Pegmatite, undivided
- 80° Strike and dip of foliation
- Contact, dashed where inferred
- 30° Dip of observed contact
- Limits of underground workings
- Rim of excavations

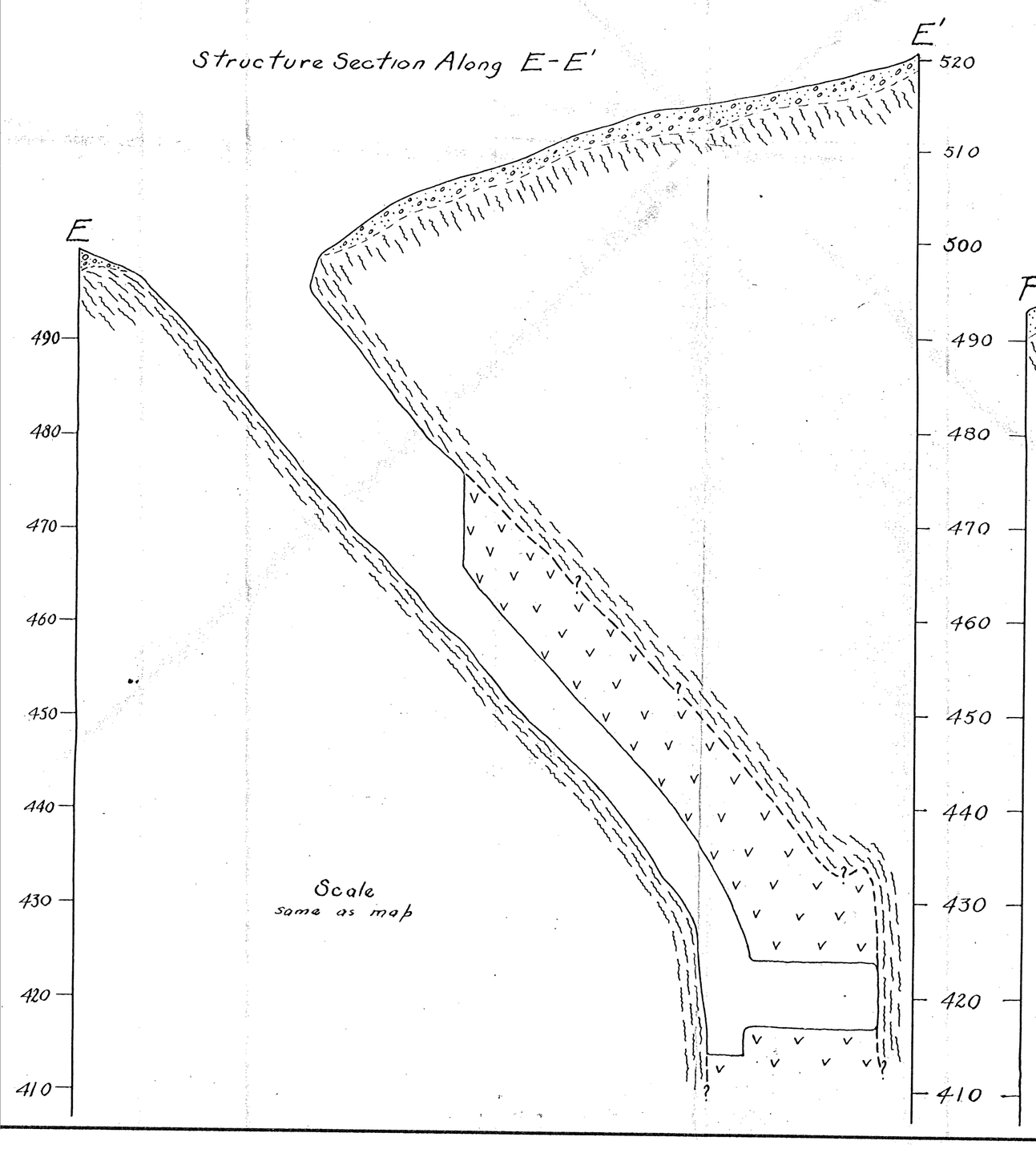
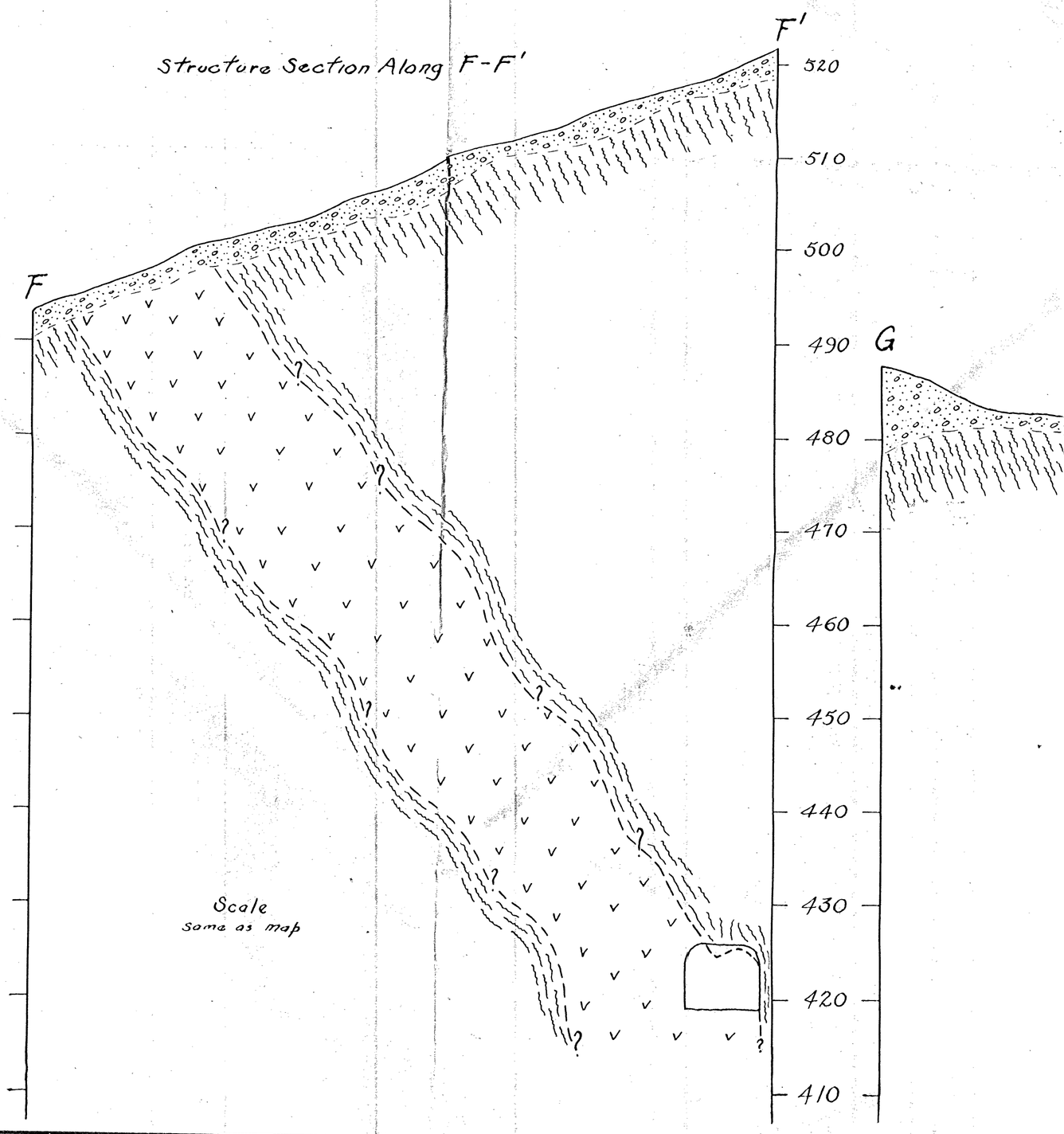



FIG. 2