DMEA 4238

DOCKET INDEX

ACTION DOCUMENTS

1. APPLICATION DATE RECEIVED 4-4-56

2. CONTRACT DATE 4-23-56

3. TERMINATION AGREEMENT: DATE

   a. Mutual (with/without repayment provision).
   b. Unilateral.
   c. Amendment with automatic termination clause and with/without repayment provision.

4. CERTIFICATION DATE

5. AUDIT REPORT DATE

6. AMENDMENTS - NUMBERS DATE

Docket Copy

MF-200A
(Rev. April 1956)

RECEIVED
JUL 5 - 1956

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT
(Short Form)

DMEA No.	*Commodity*	*Contract No. Idm–E*	*County*	*State*
4238	Mica	978	Macon	North Carolina

It is agreed JUL 23 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Ted Higdon

whose mailing address is Franklin, North Carolina

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF–200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before ....., and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within six months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $3,996.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $2,997.00, in accordance with the provisions of Articles 4 and 5.

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

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: None

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows: Consent to Lien of landowners

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

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

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

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

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

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

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

ARTICLE 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer or as surety if the Operator is not the producer (for example, if the Operator either transfers or fails to retain his interest in the land), shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

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

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

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

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

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

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

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

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

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

ARTICLE 7. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *Notices to be given by the Government* may be delivered to the Operator or may be sent by registered mail addressed to the Operator at the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 10. *Changes and added provisions.*—

.....

.....

.....

.....

.....

.....

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

TED HIGDON Ted Higdon
(Operator)

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

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

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE: 1956—O-383069

RECEIVED
JUL 5 - 1983

EXPLORATION PROJECT CONTRACT
TED HIGDON
DOCKET NO. DMEA-4238

ANNEX I

The land referred to in Article 2 of the Contract is part of a parcel known as the J. M. Dalton lands described in a certain judgment entered in the case of The United States v. J. M. Dalton Heirs, and recorded in Book L-5, page 140 et seq. in the Office of Register of Deeds, Mason County, North Carolina. The land is more specifically described as follows:

> Beginning at a stake 250' North of a stake in the center of the Dalton Mine, thence 250' due East to a stake, thence 500' due South to a stake, thence 500' due West to a stake, thence 500' due North to a stake, thence 250' due East to the beginning stake.

The nature of the Operator's rights of property and possession in the land is that of lessee under a mining lease agreement dated March 22, 1956, entered into with the landowners Fred Arnold and his wife, Fannie Mae. The Consent to Lien of the landowners is attached to this Contract.

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E 978
Contract Date JUL 23 1956

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of [redacted], State of [redacted], described as follows:1/ [redacted] at a stake 250' North of a stake in the center of the Nelson line, thence 250' due East to a stake, thence 500' due South to a stake, thence 500' due West to a stake, thence 500' due North to a stake, thence 250' due East to the [redacted] stake,

_____,

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

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

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

_____

_____

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

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

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

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

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

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this _____ day of _____, 195__.

Fred M. Arnold [Seal] Franklin, N.C.

Fannie Mae Arnold [Seal] Franklin, N.C.

_____ [Seal]

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

_____

[Corporate Seal]

RECEIVED
JUL 5 - 1956

EXPLORATION PROJECT CONTRACT
TED HIGDON
DOCKET NO. DMEA-4238

EXHIBIT "A"

Description of the Work

The approximate location of the exploration project is shown on two maps entitled, "Map No. 1 Dalton Mine, Macon Co., N. C. DMEA-4238 (Mica) May 23, 1956" and "Location Map No. 2 Dalton Mine" attached hereto and made a part hereof.

The work shall be performed in two stages. The Operator shall perform Stage I, and shall perform as much of the Stage II work as is approved by the Government in writing.

The work consists of the following:

Stage I

Excavate a trench to expose the pegmatite, having approximate dimensions of 100 feet by 20 feet by 20 feet or approximately but not exceeding 1,480 cubic yards of excavation.

Stage II

1. Construct:

   (a) A toolhouse, minimum dimensions 7 feet by 8 feet by 10 feet.
   (b) A powder storage magazine, minimum dimensions 4 feet by 3 feet by 2½ feet.
   (c) An exploder storage magazine, minimum dimensions 2 feet by 1½ feet by 1 foot.

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

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

2. Construct an access road having the approximate dimensions of 400 feet by 8 feet by 1.5 feet, or approximately but not exceeding 175 cubic yards of excavation.

[illegible], crosscut and/or incline [illegible] cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

All work shall be timbered as necessary.

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

Fixed Unit Costs

Stage I

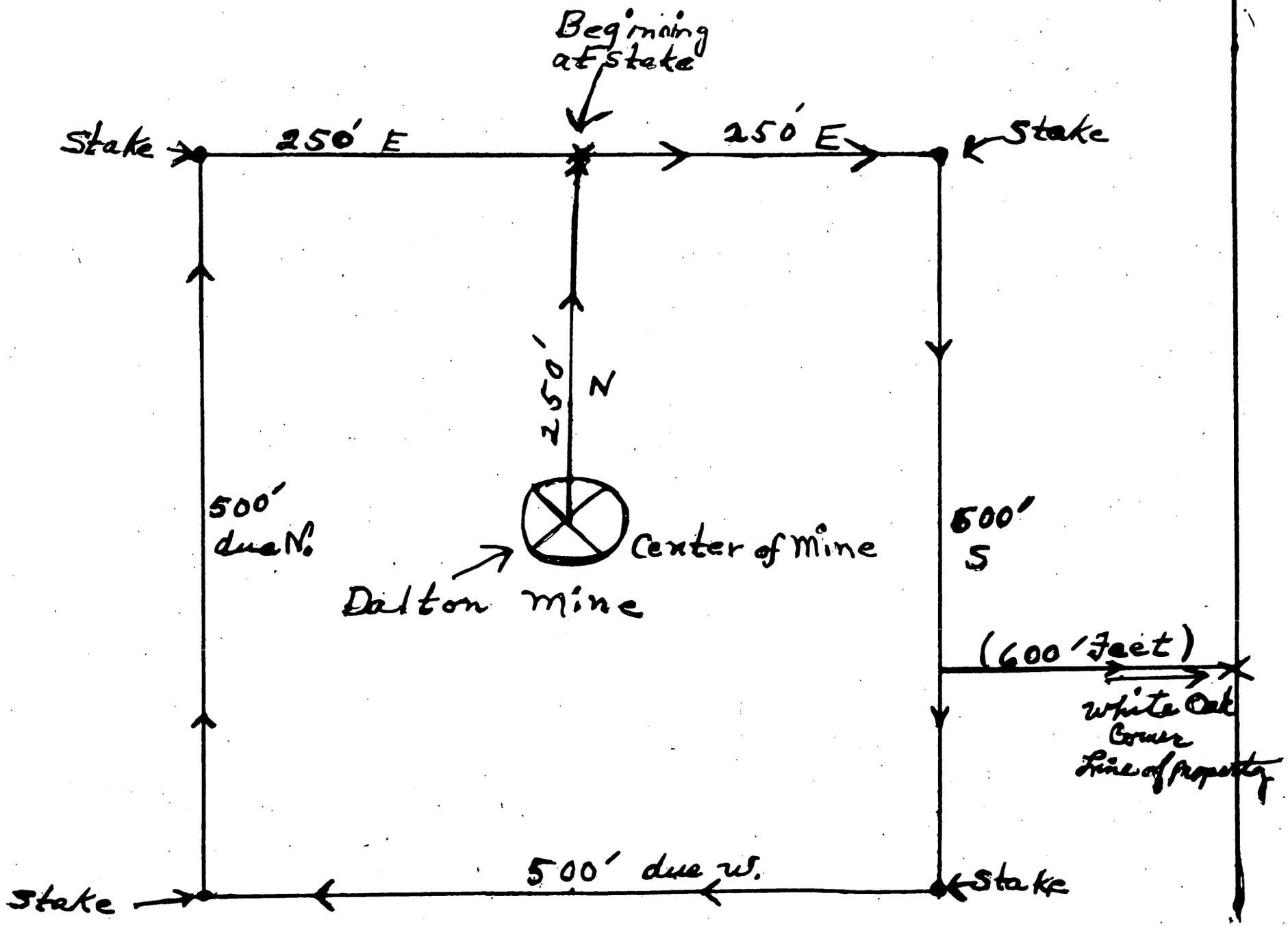
1. Excavate 1,480 cubic yards of trench @ $[illegible].30 cu. yd.		$ 444.00

Stage II

1. Construct:		
Toolhouse 1/	$75.00	
Powder Magazine 1/	26.00	
Exploder Magazine 1/	16.00	117.00
2. Construct: 175 cubic yards of access road @ $0.20/cu. yd.		35.00
3. Drive 100 feet of drift, crosscut and/or incline @ $34.00/ft.		3,400.00
Estimated Total Cost of Project		$3,996.00
Government Participation @ 75%		$2,997.00

1/ The completed work constitutes the unit.

Location Map No. 2
Dalton Mine DMEA 4238



DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 4238

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration

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

Cys. BM, GS
Routing Slip

To:	600	Date	4/4/56
To:	Mr. Hopkins	Date	4-4-56
To:	Oper Com	Date	4-26-56
To:	F.E. Johnson	Date	4-27-56
To:	[illegible]	Date	4-27-56
To:	Oper Com	Date	6-22-56
To:	F.E. Johnson	Date	6-22-56
To:	Oper Com	Date	7-20-56
To:	F.E. Johnson	Date	7-20-56
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

INT.-DUP. SEC., WASH., D.C. 98868

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/7	Anderson	600
3/7	Houk	600
3-8	Chambers	800
3/11	Selfridge	120
"	Johnson	110
"	Mittendorf	100
3/12	C	220
		225

600

MAR 12 1957

Mr. Ted Higdon

Franklin, North Carolina

Re: Docket No. DMEA-4238-mica
Ted Higdon
Dalton Mine
Mason County, North Carolina
Contract No. Idm-5978

Dear Mr. Higdon:

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

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

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:ms 3/6/57
Copy to: Docket
Admr. R. File
Mr. Chambers
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Field Team, Region V
Mr. & Mrs. Fred H. Arnold (landowners)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/7	Anderson	600
3/7	Hoob	600
3-8	Chamber	800
3/11	Selfridge	110
"	Johnson	110
"	Mittendorf	100
		110

600

MAR 12 1957

Mr. and Mrs. Fred M. Arnold

Franklin, North Carolina

Re: Docket No. DMEA-4236-mica
Ted Higdon
Dalton Mine
Macon County, North Carolina
Contract No. Idm-8978

Dear Mr. and Mrs. Arnold:

Reference is made to the undated Owner's Consent to Lien which you executed in connection with the DMEA contract for an exploration project on your property located in Macon County, North Carolina.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

WCAnderson:ms 3/6/57
Copy to: Docket
Admr. R. File
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Field Team, Region V

8623

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

March 6, 1957

Project Summary Report

By: Walter C. Anderson

1. Docket No. DMEA-4238-mica
Contract No. Idm-E978
Dalton Mine
Macon County, North Carolina

Application: MF-103 (April, 1952) received April 4, 1956

Work proposed by applicant:

Bulldoze overburden and drive 300 feet of drifts for which applicant requested $10,313.60

Operator: Ted Higdon
Route #5
Franklin, North Carolina

Operator's Property Rights:
Two year mining lease on the Fred M. Arnold property, covering 5 acres, dated March 22, 1956. Consent to Lien of owner.

2. Contract: Form MF-200A (April, 1956) dated July 23, 1956

Work Authorized:

	Stage I	
Trench excavation	1,480 cu.yds. @ $0.30/cu.yd.	$ 444.00
	Stage II	
Construction - Toolhouse, powder and exploder magazines		117.00
Construction access road		35.00
100 feet of drift, crosscut and/or incline @ $34.00/ft.		3,400.00
	Estimated total cost of project	$3,996.00
	Government participation @ 75%	$2,997.00

Amendments:

None

Work Completed:

Surface excavation	$444.00
Total accepted cost	$444.00
Government participation @ 75%	$333.00

Work began August 6, 1956 and was terminated at the end of Stage I on August 8, 1956.
Field Team Final Report received September 20, 1956
Operator's Final Report, dated September 1, 1956, received September 7, 1956.
No mica production during project.
No equipment purchased under contract.

3. Audit:
Report of Review issued September 12, 1956

Total accepted cost	$444.00
Government participation @ 75%	$333.00

4. Certification of Discovery - none issued

5. Comments:

How conducted:
All of the work in which the Government participated was acceptable.

Operation:
Only three days of bulldozing under Stage I.

Engineering:
Reporting by Operator acceptable.

Geological premise:
The premise that a 6-foot thick pegmatite containing strategic mica and indicating continuity down-dip was proven wrong by trench excavation.

Geological criteria upon which work was based:
1. Pegmatite - Tabular, discordant, zoned, mica-pegmatite, 6 to 12 feet thick. Composed of massive quartz (2 to 2.5 feet thick), medium-grained kaolinized feldspar and ruby muscovite.

2. Country rock - highly weathered gneissoid migmatite
3. Mica - ruby in color, flat, clear, and 4 to 6 inches in width

Criteria developed during project:

1. Pegmatite - Trenching exposed the pegmatite described above, a long, narrow, tabular body only 20 to 25 feet wide.
2. Mica - No mica as described above was found

Future possibilities:

The body is not wide enough to warrant exploration. The middle of the tabular pegmatite has been cut through by an old adit.

Recommendations:

The Nonmetallic Minerals Division and the Commodity Members of the Bureau of Mines and the Geological Survey concur in the Field Team's recommendation not to certify.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/7	Anderson	600
3/8	Stock	600
		~~800~~
		120
		~~110~~
		100
		920

600

March 6, 1957

Project Summary Report

By: Walter C. Anderson

1. Docket No. DMEA-4238-mica
Contract No. Idm-E978
Dalton Mine
Mason County, North Carolina

Application: MF-103 (April, 1952) received April 4, 1956

Work proposed by applicant:

Bulldoze overburden and drive 300 feet of drifts for which applicant requested $10,313.60

Operator: Ted Higdon
Route #5
Franklin, North Carolina

Operator's Property Rights:
Two year mining lease on the Fred M. Arnold property, covering 5 acres, dated March 22, 1956. Consent to lien of owner.

2. Contract: Form MF-200A (April, 1956) dated July 23, 1956

Work Authorized:

Stage I

Trench excavation	1,480 cu.yds. @ $0.30/cu.yd.	$ 444.00

Stage II

Construction - Toolhouse, powder and exploder magazines	117.00
Construction access road	35.00
100 feet of drift, crosscut and/or incline @ $34.00/ft.	3,400.00
Estimated total cost of project	$3,996.00
Government participation @ 75%	$2,997.00

8623

Amendments:

None

Work Completed:

Surface excavation	$444.00
Total accepted cost	$444.00
Government participation @ 75%	$333.00

Work began August 6, 1956 and was terminated at the end of Stage I on August 8, 1956.
Field Team Final Report received September 20, 1956
Operator's Final Report, dated September 1, 1956, received September 7, 1956.
No mica production during project.
No equipment purchased under contract.

3. Audit:
Report of Review issued September 12, 1956

Total accepted cost	$444.00
Government participation @ 75%	$333.00

4. Certification of Discovery - none issued

5. Comments:

How conducted:
All of the work in which the Government participated was acceptable.

Operation:
Only three days of bulldozing under Stage I.

Engineering:
Reporting by Operator acceptable.

Geological premise:
The premise that a 6-foot thick pegmatite containing strategic mica and indicating continuity down-dip was proven wrong by trench excavation.

Geological criteria upon which work was based:
1. Pegmatite - Tabular, discordant, zoned, mica-pegmatite, 6 to 12 feet thick. Composed of massive quartz (2 to 2.5 feet thick), medium-grained kaolinized feldspar and ruby muscovite.

2. Country rock - highly weathered gneissoid migmatite
3. Mica - ruby in color, flat, clear, and 4 to 6 inches in width

Criteria developed during project:

1. Pegmatite - Trenching exposed the pegmatite described above, a long, narrow, tabular body only 20 to 25 feet wide.
2. Mica - No mica as described above was found

Future possibilities:

The body is not wide enough to warrant exploration. The middle of the tabular pegmatite has been cut through by an old adit.

Recommendations:

The Nonmetallic Minerals Division and the Commodity Members of the Bureau of Mines and the Geological Survey concur in the Field Team's recommendation not to certify.

W. C. Anderson
Nonmetallic Minerals Division

WCAnderson:ms 3/6/57
Copy to: Docket
Admr. R. File
Mr. Anderson

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

RECEIVED
OCT - 2 1956

October 1, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4238 (mica)

Applicant: Ted Higdon

Name and Location of Property: Dalton Mine, Macon County, N. C.

Contract Number: Idm-E 978

Date of Field Team Report: 9/18/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 9/24/56

Field Team Recommendation: Recommend no certification of discovery.

Comments:

1. The project was terminated upon completion of Stage I.

2. Possibility for discovery of a worthwhile deposit of strategic mica is considered poor.

3. Expenditures -

Total approved	$3,996.00
Total cost	444.00
Gov't. share of the cost	333.00
Value of production during operation	None

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
SEP 27 1956

September 26, 1956

Re: DMEA 4238, Idm E 978
Ted Higdon
Dalton Mine
Macon Co., N. C.
Approved $3,996.00
Expended $ 444.00
Mica

Memorandum

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

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

Subject: Review of Field Team Final report.

The expenditure of $3,996.00 was approved for a work program consisting of bulldozing, shaft sinking, and drifting.

The pegmatite exposed before work was done contained little mica and the bulldozing failed to reveal more. Therefore the contract was terminated, only the bulldozing having been done. Old work, especially an adit, indicated the same lack of mica in the pegmatite.

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

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

4238

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date _____

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. _____ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Finished — Bust!

2.

3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

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

RECEIVED
SEP 20 1956

September 18,1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Team Final Report on Idm-E978, DMEA-4238 (mica) Ted Higdon, R#5, Franklin, N.C.

Transmitted are four copies of the subject report. The Field Team concurs with the Examiners that no certification should be issued.

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

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

Reviewed by
DMEA OPERATING COMMITTEE
9-24-56
(date)

RECEIVED
SEP 1 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT
by
Field Team, Region V

DMEA-4238, Idm-E978, DALTON MINE (mica)
Macon County, North Carolina

By

A. R. Taylor, Geologist
Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

REVIEWED BY
DMEA OPERATING COMMITTEE
9-24-56
(date)

Sept. 18, 1956

FIELD EXAMINATION REPORT

FINAL

On

DMEA-4238, Idm-E978,(mica) DALTON MINE
Macon County, North Carolina

Operator: Ted Higdon, Route #5, Franklin, North Carolina

Location: 5.2 airline miles N 15° E of Franklin, N. C.

Work began August 7, 1956 and was terminated at the end of Stage I, August 8, 1956. No facilities were constructed. Essentially no production resulted from Stage I.

A trench, trending N 30° W to N 70° W, was excavated. It is 125' x 15' to 18' by 25' deep (av.) (2083 cu yd). The work was performed satisfactorily.

The trench exposed the pegmatite described in the Examination Report of June 5, 1956, and disclosed it to be a long narrow tabular body only 20 to 25 feet wide. Pegmatite exposed is above the original adit and about 35feet above the floor of the cut. The body is not wide enough to warrant exploration because the middle has been cut through by the old adit.

Certification is not recommended.

Expenditures:	(a).	Total approved	$3,996.00
	(b)	Total cost of project	444.00
	(c)	Government's share of cost	333.00
	(d)	Government's share unexpended	2,664.00
	(e)	Production.....	none
	(d)	Royalty.....	none

September 17, 1956

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

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

z

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

RECEIVED
SEP 7 1956

September 5, 1956

Memorandum

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

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

Subject: DMEA-4238, Idm-E978 (Mica)
Ted Higdon, Franklin, North Carolina
Dalton Mine, Mason County, North Carolina

Enclosed are four copies of the Operator's final report on the subject terminated project.

Robert A. Laurence
Executive Officer

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

RAL/mg
Enclosures 4
cc
Oper. Comm. (2)
Lynch
Shirley
File

September 1, 1956

RECEIVED
SEP - 7 1956

United States
Department of The Interior
Defense Minerals Exploration Administration
Re: DMEA-4238, Idm- M978 (mica)
Dalton Mine, Macon County, N.C.

Stage one: Final engineering report . Bulldozed trench 100 ft. by 20 ft. by 20 ft. and more to expose vein.

Pegmatite vein dips south out of cut.

Pegmatite vein is approximately 15 ft. above bottom of cut.

Signed Ted Hughson

RECEIVED
SEP 4 - 1956
U. S. Survey
Geologic Division
Knoxville, Tenn.

September 1, 1956

RECEIVED
SEP - 7 1956

United States
Department of The Interior
Defense Minerals Exploration Administration
Reg: WMA-4235, Idn- 9978 (mica)
Delton Mine, Mason County, W.V.

Stage one: Final engineering report . Bulldozed trench 100 ft. by 20 ft. by 20 ft.

and more to expose vein.

Pegmatite vein dips south out of cut.

Pegmatite vein is approximately 15 ft. above bottom of cut.

Signed Ted Higdon

RECEIVED
SEP 4 - 1956
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

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

RECEIVED
SEP - 7 1956

September 5, 1956

Memorandum

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

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

Subject: DMEA-4238, Idm-E978 (Mica)
Ted Higdon, Franklin, North Carolina
Dalton Mine, Macon County, North Carolina

Enclosed are four copies of the Operator's final report on the subject terminated project.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 4

September 1, 1956

RECEIVED
SEP - 7 1956

United States
Department of The Interior
Defense Minerals Exploration Administration
Re; DMEA-4238, Idm- E978 (mica)
Dalton Mine, Macon County, N.C .

Stage one; Final engineering report . Bulldozed trench 100 ft. by 20 ft. by 20 ft. and more to expose vein.

Pegmatite vein dips south out of cut.

Pegmatite vein is approximately 15 ft. above bottom of cut.

Signed Ted Heyldon

RECEIVED

ACTION ON ~~INTERIM~~ 4218
OF FINAL FIELD TEAM REPORT
Date 8.31

Referred to:

1. ~~Mr. Fitzmorris~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~Atty Gen Letter~~ ~~Division~~
6. Docket Control Mails and Files

Note comments in report regarding:

1. Bust
2. Step II not approved
3.
4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Terminated by Field Team
Jo

Robert E. Adams

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

August 29, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: Docket No. DMEA-4238, Contract Idm-E928 (Mica)
Ted Higdon, Route 5, Franklin, N. C.
Dalton Mine, Macon County, North Carolina

Enclosed are four copies of the latest interim report.

A letter has been sent to the Operator, stating that Stage II will not be approved.

Certification will not be recommended.

Robert A. Laurence

Robert A. Laurence

Enclosures 4

INTERIM REPORT

DMEA-4238, Idm-E928 (mica) DALTON MINE

OPERATOR: Ted Higdon, Rt. #5, Franklin, N. C.

LOCATION: 5.2 airline miles N15°E of Franklin, Macon Co., N. C.

Stage I of this contract consisting of trench excavation has been completed without exposing workable pegmatite in the floor of the open cut. Stage II does not appear justified, and it is recommended that the contract be terminated by mutual consent of both parties.

The excavated trench trends N 30° W turning to N 70° W, and is 125 feet long by 15-18 feet wide, by 25 feet deep (Ave.). The work was conducted satisfactorily and in accordance with the Field Examiners' suggestions. Pegmatite can now be observed above the portal of an original adit for a horizontal distance of 20-25 feet and is approximately 35 feet higher than the floor of the trench. No pegmatite was exposed that appeared worthy of additional exploration in the form of Stage II. It is suggested that this contract be terminated with the completion of Stage I, and that the necessary forms be sent to the Operator for his signature.

L. E. Shirley

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

A. R. Taylor

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

August 23, 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 513 WASHINGTON 25, D. C. BLDG.
KNOXVILLE 2, TENN.

August 27, 1956

Mr. Ted Higdon
Route 5
Franklin, North Carolina

Re: DMEA-4238, Idm-E928 (Mica)
Dalton Mine
Macon County, North Carolina

Dear Mr. Higdon:

As work done under Stage I shows that further work at the Dalton mine is not justified, Stage II will not be approved. The contract may, therefore, be considered as terminated upon completion of Stage I.

Please submit your final report (see article 5-c of contract) when you send your voucher for the Stage I work.

Sincerely yours,

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

RAL/mg
cc
Oper. Comm. (3)
Finance Office
Lynch
Shirley
File

RECEIVED
AUG 30 1956

Interim Report

DMEA-4238, Idm-E928 (mica) DALTON MINE

RECEIVED
AUG 15 1956

Operator: Ted Higdon, Route No. 5, Franklin, North Carolina

Location: 5.2 airline miles N15°E of Franklin, Macon County, North Carolina

The starting date on this contract is August 7, 1956. Approximately 7 hours of trenching by bulldozer had been completed up to the time of this visit. Pegmatite 3 to 4 feet thick was exposed near the portal of an existing adit composed of kaolinized feldspar, scattered quartz and small blocks of muscovite mica. Random mica recovered from trenching was examined and appeared to be of very good quality and contained very little mineral staining.

The operator was advised to continue trenching until proper depth on the body is reached. Another visit will be made when the Examiners are again in the area to determine if Stage II of the contract is justified.

L. E. Shirley

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

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

August 6, 1956

RECEIVED
JUL 27 1956

July 25, 1956

Mr. Ted Higdon

Franklin, North Carolina

Re: DMEA-h238, Idm-E978 (mica)
Dalton Mine, Macon County, N.C.

Dear Mr. Higdon:

Attached is your signed copy of the subject contract.

A starting date of September 1, 1956 has been inserted but you may begin work before that date if you wish. Please notify this office when you start work.

Very truly yours,

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

ZM.
cc:
Lynch
Finance Office
Opr. Com.-2
Files
Shirley

Docket Copy
Surname:
Houk
Selfridge
Johnson

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

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

JUL 23 1956

Re: Docket No. DMEA-4238 - Mica
Ted Higdon
Dalton Mine
Macon County, North Carolina

Dear Mr. Laurence:

Enclosed are the Operator's, Field Team's and Finance Officer's copies of the subject contract which have been dated, numbered, and executed by the Administrator for the Government.

Please fill in and advise this office of the starting date, and make the usual distribution.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

P. F. Yopes (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

Enclosures 3

LGHouk:gad 7/20/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.G.S.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 803 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUL 5 - 1956

July 2, 1956

Memorandum

To: Operating Committee, DMEA- Washington

From: Executive Officer, DMEA - Region V - Knoxville, Tennessee

Subject: Proposed Contract, DMEA-4258, Ted Higdon (mica)
Macon County, N. C.

Transmitted are six copies of the subject contract signed by Mr. Higdon and six copies of the Consent to Lien signed by the land owners. All copies are being returned for the signature of the Administrator.

Robert A. Laurence

Robert A. Laurence

DOCKET COPY
Surname:
Hopkins
Houk
Chambers
Martin
Reviewed by
DMEA OPERATING COMMITTEE
6-22-56
(date)

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

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

JUN 25 1956

Re: Docket No. DMEA-4238-mica
Ted Higdon
Dalton Mine
Macon County, North Carolina

Dear Mr. Laurence:

Enclosed are the original and five copies of an unexecuted contract. Please note the Administrator has not signed the contract. Attachments to the contract are Annex I, Exhibit "A" (2 pages) and two maps of the Dalton Mine. Two extra copies of Annex I, Exhibit "A" and the maps are enclosed for the use of the Field Team. Also enclosed are seven copies of a Consent to Lien to be attached to the contract when properly executed by the land owners. Copies of an executed Subordination Agreement and an unsuitable Consent to Lien are also enclosed. Please return these to the land owners.

If the proposed contract meets with your approval, present it to the applicant for execution. Please explain to the applicant that the contract is a firm commitment to complete the work outlined at the agreed cost. After execution by the operator, all copies are to be returned to this office for execution by the Administrator.

If any part of this proposed contract does not have either your approval or that of the applicant and cannot be amended within your delegated authority, then the original and all copies of the contract and the two extra copies of Annex I, Exhibit "A" and the maps are to be returned to this office, together with the proposed changes for consideration.

Copies of memoranda dated June 12 and 21, 1956, by Mr. N. R. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Approved:

P. F. Yopes
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

Enclosures: 23

P.S. Contracts to be signed by Operator before execution by the Government. This action is necessary as administrative safeguard until Defense Production Act is extended by the Congress. Please do not date.

R.C.

Mr. Houk
Admr. R. File

JHopkins:ms 6/21/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061

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

RECEIVED
JUN 22 1956

June 21, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4238 (mica)

Applicant: Ted Higdon, Franklin, N. C.

Name and Location of Property: Dalton Mine, Macon County, N. C.

Date of Field Team Report: 6/5/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: ?

Field Team Recommendation: Approval of a 2-stage, unit-cost project estimated to cost $3,971.70

Comments:

1. Stage I of the proposed exploration project will prepare a site for either an inclined shaft or an adit to explore the pegmatite down-dip.

2. Stage II calls for construction of a tool house, powder and exploder magazines, 400 feet of access road, and 100 feet of incline and/or drift or crosscut.

3. The possibility of developing reserves of strategic grade ruby muscovite mica down dip is good.

4. Proposed exploration outlined by the field team is consistent with good engineering practices and estimated cost are in line with other DMEA projects.

Recommendation: I concur with the field team recommendation.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
JUN 12 1956

June 12, 1956

Re: DMEA 4238
Ted Higdon
Dalton Mine property
Macon Co., N. C.
Appl. Est. $10,373.60
Recom'd Est. 3,971.70
Mica

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring a flat pegmatite already explored by a 125-foot partly caved adit. The pegmatite is 6 to 12 feet thick and has a quartz core 2 to 2½ feet thick.

The pegmatite now bears little mica, but ruby mica is found in the dump. The examiners believe more may be found and recommend a 2-stage work program consisting of:

Bulldozing	$444.30
Construction, Magazine, etc.	115.00
Drifting 100 feet	3,412.60
Total	$3,971.90

I concur with the recommendation of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

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

RECEIVED
JUN 7 1956

June 5, 1956

Memorandum

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

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

Subject: Field Examination Report - DMEA-4238 (Mica)
Ted Higdon, Franklin, North Carolina
Dalton Mine, Macon County, North Carolina

Enclosed are four copies of the subject report, and nine extra copies of the map. Also, enclosed are six signed copies of a new Consent to Lien for a square with the Dalton Mine at its center. Presumably the "center of the mine" means the portal of the adit as shown on the field examiners' map. The "white oak corner" is a corner of the property which Mr. Higdon has under lease. The new Consent to Lien and land description were received after the report had been prepared.

We believe this pegmatite is worth exploring, and recommenda two-stage, unit cost contract as proposed in the report.

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

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

Enclosures 4

Reviewed by
DMEA OPERATING COMMITTEE
6-11-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REGION V

FIELD EXAMINATION REPORT, REGION V

ON

DMEA-4238, DALTON MINE (mica)
Macon County, N. C.

BY

A. R. Taylor, Geologist
Geological Survey

and

L. E. Shirley, Mining Engineer
Bureau of Mines

June 5, 1956

Reviewed by
DMEA OPERATING COMMITTEE
6-11-56
(date)

EXAMINATION REPORT
On

DMEA-4238, DALTON MINE (mica)

Applicant: Ted Higdon, Route 5, Franklin, North Carolina

Summary

Strategic ruby muscovite occurs in a zoned, 6 ft thick pegmatite. Strong indications of continuity down-dip suggest that exploration may indicate reserves. It is recommended that a 2-stage unit-cost program be approved.

Introduction

Location

The Dalton Mine is on the northern slope of Lyle Knob, Macon County, North Carolina. It is 5.2 airline miles, N. 15° E. of the town square in Franklin, N. C. (SW corner, Greens Creek, N. C., TVA, Quadrangle 166-SE, 1941, 1/24,000).

Another Dalton Mine exists west of the leased area about 800 - 900 feet (Mine described in USGS unpublished Blue Ridge Manuscript).

Examination

The field examiners inspected the Dalton Mine on April 24, 1956, in the company of Mr. Ted Higdon and Mr. J. L. Stamey. Two hours were spent in the examination.

Applicant, Facilities and Equipment

A jeep road ends about 400 feet down-slope from the mine.

The applicant appears competent to carry out the proposed program. He does not own the equipment to be used, but will rent it.

No facilities are on the property.

Leased Area

The applicant was requested verbally and by letter to survey the area proposed for exploration and tie the mine in with a property corner (letter to the applicant enclosed). To date no further legal description has been received by the Knoxville, Tennessee, office of DMEA.

Geology

Present Workings

The mine consists of a partly caved adit in weathered material 4.5 ft to 12 ft wide, 6 ft to 12 ft high, and 105 ft long which trends S. 25° W. into a hillside between caved works.

Pegmatite and Country Rock

A tabular, discordant, zoned, mica-pegmatite, 6 ft to 12 ft thick has been emplaced in a shear zone (prepegmatite ?). Some faulting about midway the adit is post-pegmatite.

It is composed of a massive quartz core (2 ft to 2.5 ft thick), medium-grained kaolinized fledspar (with iron and manganese stains) and ruby muscovite.

At the footwall contact (20-ft point in adit) of the pegmatite and country rock, the strike is N. 60° W. and the dip is 25° SW, while the hanging wall strikes (about 95 ft point) N. 25° W. and dips 25° SW.

The country rock is a highly weathered gneissoid migmatite. The foliation ranges from due N. and 45° E. dip at the footwall contact near the portal, to N. 25° W., 25° SW at the hanging wall contact. At the 50-ft point the foliation on the southeastern side is N. 25° E., 45° NW, but on the opposite side of the adit at the same point it is N. 25° E., and 55° SE. This is the post-pegmatite fault zone noted as atypical of the whole body.

Muscovite

Ruby muscovite found in the dump is flat, clear, and 4 in. to 6 in. in width. Due to the prevalent practice of miners robbing mines of the mica books that are easily recovered, little strategic muscovite has been left in place, therefore making a crystal count impracticable; however, muscovite exists along the wall zones and adjacent to the quartz core in the feldspar zone.

Proposed Exploration

A two-stage, unit-cost exploration program is recommended. Stage I should consist of a crosscutting trench about 100 ft x 20 ft x 20 ft deep in soft material to prepare a site for an incline or an adit to explore the pegmatite down-dip.

Stage II should consist of the construction of the necessary facilities, an access road about 400 ft in length, and 100 ft of adit, incline and/or crosscut. It is possible to rehabilitate the existing partly caved adit, but it would have to be timbered throughout its length and slabbed considerably. The rehabilitation costs seem prohibitive; thus it is proposed that the trench explore the width of the pegmatite body and prepare a portal site. The portal may be started on the footwall contact.

Estimated Expenditures

Stage I

Trench 100' x 20' x 20' = 40,000 cu. ft
or about 1481 cu. yd. @ $ .30/cu.yd. = $444.30

Stage II

a. Construct:

Toolhouse	$75.00	
Powder magazine	25.00	
Exploder magazine	15.00	
Total		115.00

b. Construct:
400' access road.
400' x 8' x 1.5' + 4,800 cu. ft
or about 177 cu. yd. @ $ .20/cu. yd. = 35.40

c. Drive (at a point located by the Government)
100 ft of drift, crosscut, and/or incline
2' of advance/day = 50 shifts

1. Labor:

1 Miner @ $1.50/hr.	$600.00	
2 Laborers @ $1.00/hr.	800.00	
Total		1,400.00

2. Equipment (rental):
Compressor, drill, and jackleg
2.5 mos. @ $250.00/month 625.00

3. Supplies:

Drill steel	$150.00	
Gasoline and oil	200.00	
Explosives	380.00	
Timber, 3 M @ $65/M	195.00	
Small tools - pipe	100.00	
Miscellaneous	100.00	
Total		1,125.00

4. Tax, Insurance, etc.

Liability Insurance	$140.00	
Social Security and Unemployment Insurance	56.00	
Sales Tax	31.00	
Total		227.00

TOTAL $3,971.70

Average cost of adit per ft = $33.77 or $34.00.

A. R. Taylor, Geologist
Geological Survey

L. E. Shirley, Mining Engineer
Bureau of Mines

June 5, 1956

C O P Y

May 4, 1956

Mr. Ted Higdon
Route 5
Franklin, North Carolina

Re: DMEA-4238 - Mica
Dalton Mine
Macon County, North Carolina

Dear Mr. Higdon:

We cannot use the description of the land given in the application because of its being too indefinite in its tie-in with a Dalton tract oak corner. The acreage is sufficient. Please give us the following information.

1. The bearing and distance from one (designate which one) of your 6 acre (actually 5.74 acres) property corners to a designated corner such as the oak you mentioned on the Dalton tract.

2. The bearing and distance from the center of the mine we examined to one of the corners (designate which one) of the 6 acre property.

Mr. Shirley and I will be in Franklin, North Carolina at the Franklin Motel Monday night, May 7, and possibly Tuesday night. Could we meet you on Monday or Tuesday night to discuss this? If not, as long as you understand what is needed, it will be all right.

It is suggested, however, in order to protect yourself as well as the government, that you have those bearings and distances surveyed. I hope you will understand that the tie-in on the "northeast" bearing in the present description is too indefinite.

Very truly yours,

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

ART/mg
cc
Lynch
Shirley
files
Taylor

DOCKET COPY
Surname:

Hopkins
Houk
Selfridge
GE Johnson

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

APR 27 1956

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 13, Post Office Building
Knoxville, 1, Tennessee

Re: Docket No. DMEA-4238-mica
Ted Higdon
Dalton Mine
Macon County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda dated April 6 and 9, 1956, by Mr. N. M. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Approved:
/s/ Robert W. Geehan (JHB)
Member, Bureau of Mines
Thor H. Kiilsgaard (JHB)
Member, Geological Survey

Enclosures: 4

JHopkins:ms 4/26/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File

R.C.L.

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

DOCKET COPY
Surname:
Hopkins
Houk
Hutchon
Kilsgaard
Selfridge
Gilmore

APR 27 1956

Mr. Ted Higdon
Route #5
Franklin, North Carolina

Re: Docket No. DMEA-4238-mica
Ted Higdon
Dalton Mine
Macon County, North Carolina

Dear Mr. Higdon:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Lawrence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville, 2, Tennessee, for further consideration and possibly a field examination.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JHopkins:ms 4/26/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File

R.C.S.

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

RECEIVED
APR 25 1956

APR 19 1956

Mr. Ted Higdon
Route #5
Franklin, North Carolina

Re: Docket No. DMEA-4238-Mica
Ted Higdon
Dalton Mine Property
Macon County, North Carolina

Dear Mr. Higdon:

Reference is made to your application for exploration assistance dated March 23, 1956.

We are returning our copy of the unexecuted mining lease for signatures and address of the property owners - Fred M. Arnold and Fannie Mae Arnold.

Upon receipt of the lease properly executed, we will continue to process your application.

Sincerely yours,

Lawrence G. Houk

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosure

Address:

Fred M. Arnold and Fannie Mae Arnold
Franklin, N.C.

(SIGNED LEASE RETURNED WITH THIS)

RECEIVED
APR 2 5 1956
RECEIVED
APR 4 - 1956

STATE OF NORTH CAROLINA
COUNTY OF MACON

THIS MINING LEASE, made and entered into this the 22nd day of March, 1956, by and between FRED ARNOLD and wife FANNIE MAE ARNOLD, parties of the first part; and TED HIGDON, party of the second part, all of the above county and state;

W I T N E S S E T H :

That for and in consideration of the agreements hereinafter contained, the parties of the first part have hereby bargained, leased and granted, and by these presents do bargain, lease and grant for a period of TWO YEARS, with the right to renew this lease for additional like terms, upon the showing of an operation for profit, from the date hereof, upon the terms and conditions hereinafter specified, the right to dig, mine, process and remove mica and other minerals upon the following described tract of land in Macon County, North Carolina

> All that certain tract or parcel of land lying and being in Cowee Township, Macon County, North Carolina, on the waters of Dalton Branch, a tributary of Cowee Creek, known as the J. M. Dalton lands, consisting of 552 acres, more or less, and being the same lands described by metes and bounds in that certain judgment entered in the case of "The United States of America Vs. J. M. Dalton Heirs, et al", which judgment is recorded in the office of the Register of Deeds of Macon County, North Carolina, in Deed Book L-5, page 140 et seq. Reference is hereby made and had to said judgment and the record thereof for a complete description of the lands hereby conveyed. Subject to outstanding mineral title and mining rights in land covered by State Grant #1869.

The party of the second part has the right, for the aforesaid term, with the renewal privilege as set out above, to enter upon the said lands, and dig and mine mica and in connection therewith to exercise, in so far as is necessary, the mining rights and privileges upon said property.

The party of the second part shall pay to the parties of the first part a royalty of twelve and one-half (12½) per cent on all sheet mica, $2.00 per ton on all scrap mica, and $.50 per ton on all feldspar mined thereon. All royalties shall be due and payable on or before the fifteenth (15th) day of each month upon all mica sold during the preceeding month.

It is further understood and agreed by the parties hereto that the said parties of the first part shall be furnished with a paper statement of the amount of minerals mine and removed from said properties, and the party of the second part will at all times, upon reasonable request, permit the said parties of the first part, or their duly authorized agent, to inspect such books and records, relating to the sale of minerals mined and taken from said properties, as may be proper to determine the gross amount of royalties due on any payment date.

It is understood and agreed that if the party of the second part shall fail to pay the royalties, as herein provided, or shall otherwise fail or neglect to perform and carry out any of the terms of this lease, then and in such event all rights herein shall be forfeited and this lease shall forthwith be terminated, without any further action on the part of the parties of the first part.

Party of the second part expressly agres to commence mining operations on said property within sixty (60) days from the date of this contract; thereafter failure of the party of the second part to do any work under the provisions of this lease for a period of sixty (60) working days affords proper cause for the termination of this agreement by the parties of the first part.

Failure of the party of the second part to comply with the above, or any other, provision of this lease shall operate as a forfeiture of the rights herein granted and said parties of the first part shall have the right to cancel this lease and take immediate possession of the leased premises.

So long as this lease remains in force the party of the second part shall, in connection therewith, have and enjoy the rights and privileges of mining mica on the premises together with the right to construct and place upon the premises buildings and machinery, and to remove the same.

Parties of the first part, in connection therewith, hereby give and grant unto party of the second part, or his assigns,

the right of first refusal for the purchase of the mineral rights and privileges herein leased, should parties of the first part decide to sell the same, such terms of sale to be agreed upon in such an event.

IN TESTIMONY WHEREOF, the said parties of the first and second parts do hereto subscribe their respective names and affix their several seals, the day and year first above written.

Fred M. Arnold (SEAL)

(Mrs) F. M. Arnold (SEAL)

_____ (SEAL)

NORTH CAROLINA
MACON COUNTY

I, _____, a _____ in and for the above County and State, hereby certify that _____

_____

_____ personally appeared before me this date and acknowledged the due execution of the foregoing instrument for the purposes therein expressed.

Witness my hand and official seal, this the ____ day of March, 1956.

_____

OWNERS' ADDRESS:
Fred M. Arnold
Fannie Mae Arnold
Franklin, North Carolina

4/26/56

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

DOCKET COPY
SURNAME: Hopkins Houk Mottendorf

APR 19 1956

Mr. Ted Higdon
Route #5
Franklin, North Carolina

Re: Docket No. DMEA-4238-Mica
Ted Higdon
Dalton Mine Property
Mason County, North Carolina

Dear Mr. Higdon:

Reference is made to your application for exploration assistance dated March 23, 1956.

We are returning our copy of the unexecuted mining lease for signatures and address of the property owners - Fred M. Arnold and Fannie Mae Arnold.

Upon receipt of the lease properly executed, we will continue to process your application.

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosure

JHopkins:ms 4/19/56
Copy to: ✓Docket
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File

IN REPLY REFER TO:

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

RECEIVED
APR 18 1956

April 6, 1956

Re: DMEA 4238
Ted Higdon
Dalton Mine property
Macon Co., N. C.
$10,373.60 - Mica

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring a pegmatite on an old mine property. The relationship of the proposed work to the old workings is not set out. Perhaps a different pegmatite is to be explored since "Outcroppings indicate large ore reserve of high grade strategic ruby mica." Just why a mine operator would leave such a showing is not told us.

The work proposed consists of a crosscut to and drifts on the vein. A portal site is to be prepared by bulldozing. The estimated cost is:--

Bulldozing, 30 hours	$ 360.00
Crosscutting and drifting 300 feet at $29.22/ft.	8,766.00
Sheds	250.00
Contingencies	937.60
Total	$10,313.60

Referral to the Field Team for appropriate action and report is recommended.

N. E. Nelson

N. E. Nelson

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

RECEIVED
APR 9 - 1956

April 9, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4238 H (mica)

Applicant: Ted Higdon

Name and Location of Property: Dalton Mine, Macon Co., N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 4/4/56

Comments:

1. No data available in this office on subject mine.
2. Applicant states that mica was produced from this site during World War I.
3. The proposed exploration calls for half the drifting to be done in barren country rock.
4. This deposit appears to have possibilities for the development of strategic mica.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

April 4, 1956
Subject: DMEA-4238
Re: Exploration Assistance
Dalton Mine Property

Mr. Ted Higdon
Route 5
Franklin, North Carolina

My dear Mr. Higdon:

The receipt of your application dated March 23, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4238 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

April 4, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA - 4238 Ted Higdon

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

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

RECEIVED
APR 4 - 1956

April 2, 1956

Memorandum

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

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

Subject: Application from Ted Higdon, Franklin, North Carolina
Dalton Mine property, Macon County, North Carolina

Enclosed are three copies of the subject application, received here last Friday, with one copy of the lease and six copies of the consent to lien.

We are keeping the fourth copy of the application for our use.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 10

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
APR 4 - 1956

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

Not to be filled in by applicant

Docket No. DMEA - 4238
Metal or Mineral Mica
Date Received 4-4-56
Estimated Cost $10,313.60
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: TED HIGDON, Route #5, Franklin, N.C.

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

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

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

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

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

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee

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

(*e*) If you own the land, describe any liens or encumbrances on it Does not apply.

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

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

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

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

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

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

RECEIVED
MAR 30 1956
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Strategic ruby mica

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

(*c*) The work will start within 30 days and be completed within 4 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

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

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

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

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

☐ Money ☒ Use of equipment owned by you ☒ Other LABOR

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated MARCH 23, 1956

Ted Higdon
(Applicant)

By

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

SUPPLEMENT
TED HIGDON
ROUTE #5, FRANKLIN, N. C.

RECEIVED
APR 4 - 1956

3a: Description:

BEGINNING at a rock corner, said corner being situated 2,000 feet Northewst from the oak corner of the Dalton tract, runs due East 500 feet to a corner at a stone; thence due North 500 feet to a stone corner; thence due West 500 feet to a rock corner; thence 500 feet due South to the BEGINNING corner, containing 250,000 sq. ft., or 6 acres, be the same more or less.

4a: There are no operations on the site at present. This property was formally known as the Dalton Mine and was a good producer around World War I. There are no records available as to the production at that time; however, the reputation is that it was a valuable producer. The present applicant had no interest in those operations. The old workings are easily accessible for examination purposes.

4b: See 4a. Outcroppings indicate large ore reserve of high grade strategic ruby mica.

4c: This property slopes steeply to the northwest in such a manner as to indicate explorations by drift without shaft possible. See the attached map. There are no engineering reports available. This property is located 1 mile from Shepard Knob, a constant producer of high-grade mica which is sold to the General Service Administration. There are outcroppings all along the proposed site, consisting of small block mica. The vein is of an embedded in feldspar type and gives indication it would be a rich producer.

4d: This property is located 9 miles from Franklin, North Carolina, approximately 1 mile from a county maintained road, and can be reached from there by private orad. The private road needs some maintenance but can be traversed by jeep at this time.

4e: Man power, materials, supplies and equipment are available either at the community of the proposed site or in Franklin, North Carolina.

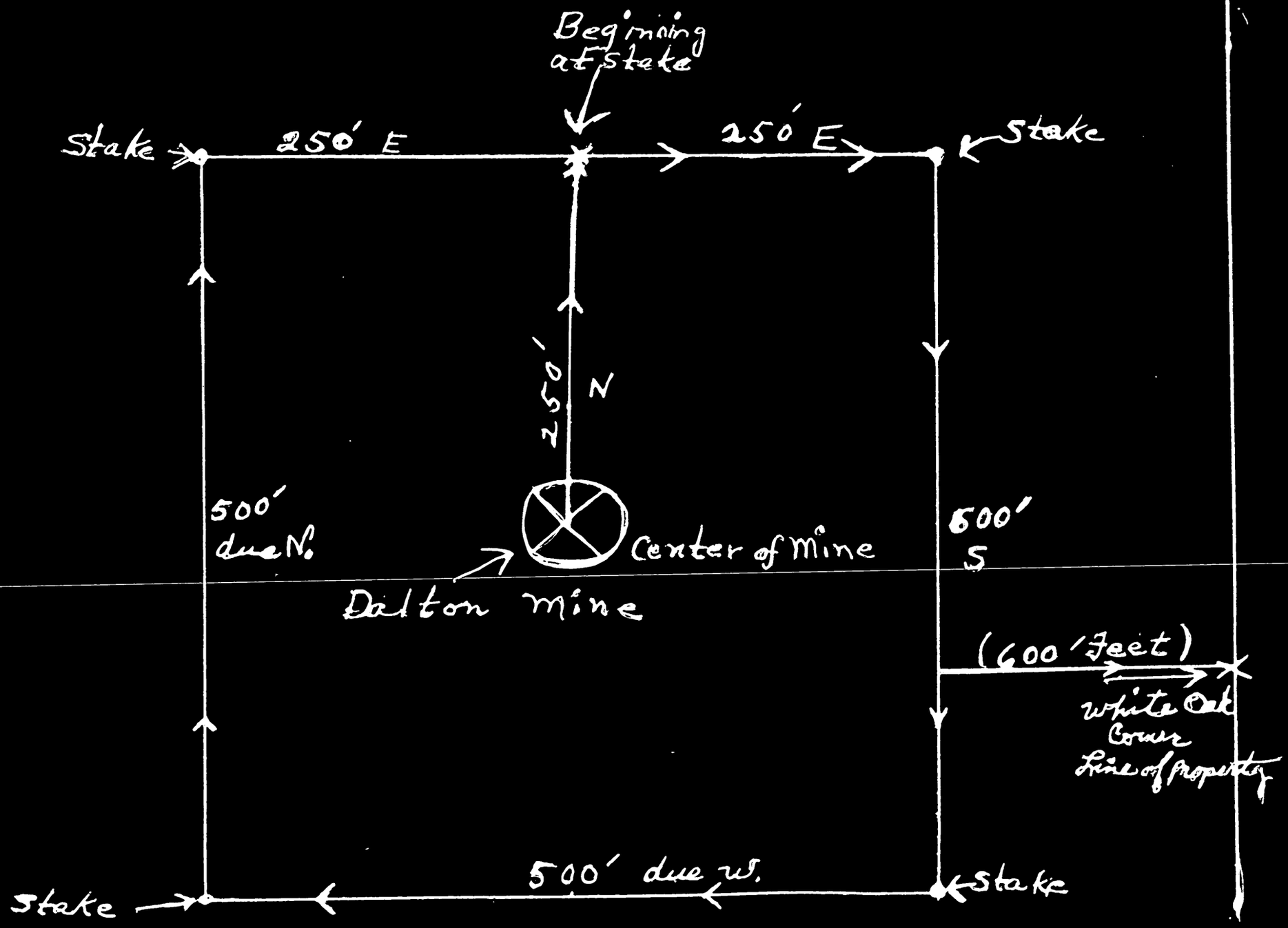
5b: It is proposed that the overburden be removed by bulldozer and that a drift of approximately 150 feet be made back into the hill, at which point contact with the main vein should be made from there the drift should be fanned out in each direction of the vein approx. 75 feet to the left and 75 ft. to the right, making a total of 300 feet of drift. This should uncover the mica vein for a total of 150 feet.

5d: The applicant has a lifetime of experience and background in carrying out such projects as the one proposed; the applicant will supervise the project.

6 :

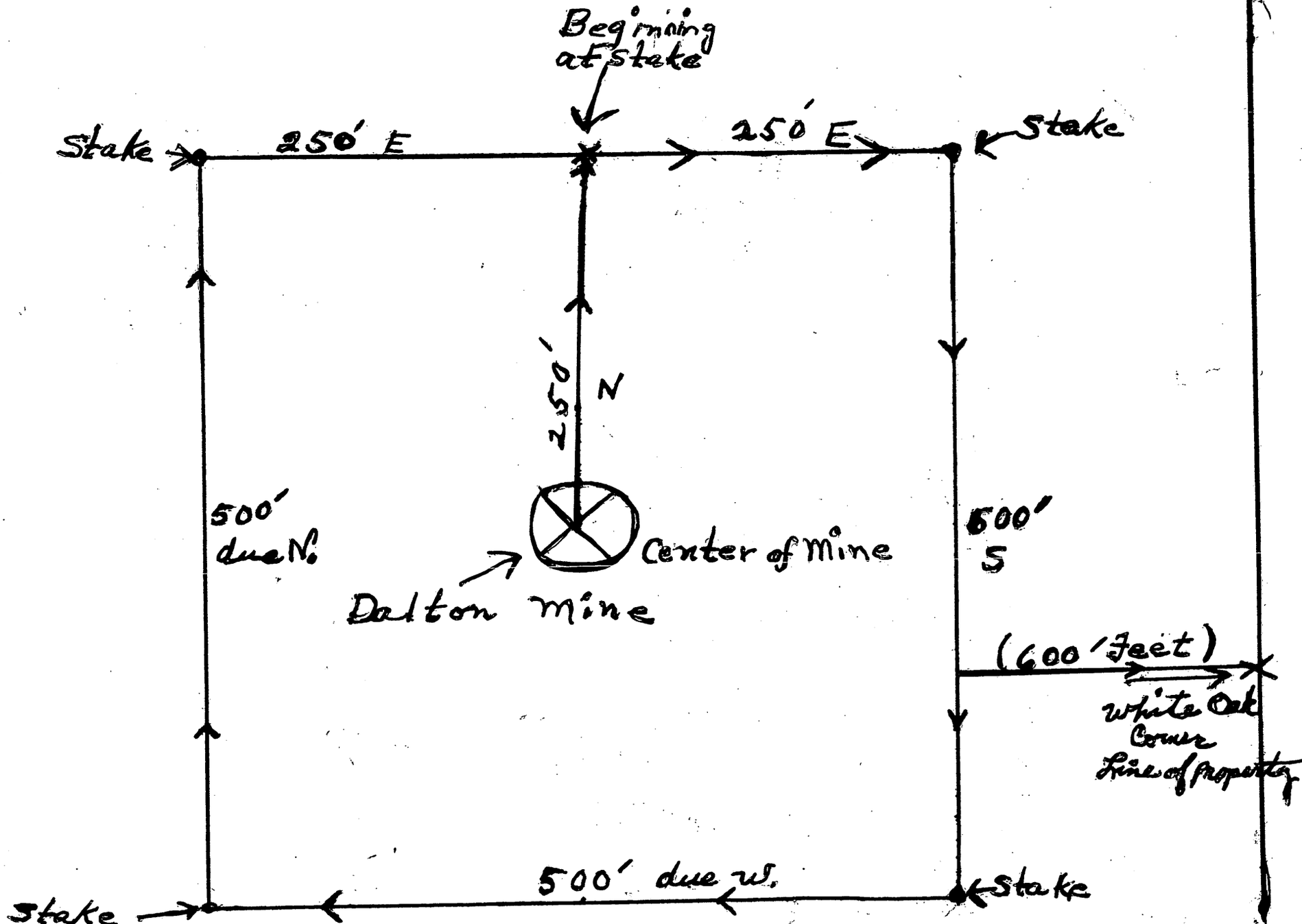
Labor (110 W.D.):	
1 @ 1.50 per hr.	$ 1320.00
2 @ 1.10 per hr.	1936.00
Bulldozing:	
30 hrs. @12.00	360.00
Equipment:	
Air compressor, 4½ mo.	900.00
Jackhammer, 4½ mo.	250.00
Air Fan 4½ mo.	300.00
Muck car & railing	500.00
Timbering	425.00
Explosives	1320.00
Caps, wire, det, etc.	570.00
Small Tools	540.00
Supplies, also nails, buckets, files, etc.	425.00
Jackhammer steel	280.00
Explosives Shed	75.00
Mica shed	75.00
Air compressor & tool shed	100.00
Contengencies	937.60
TOTAL	$10,313.60

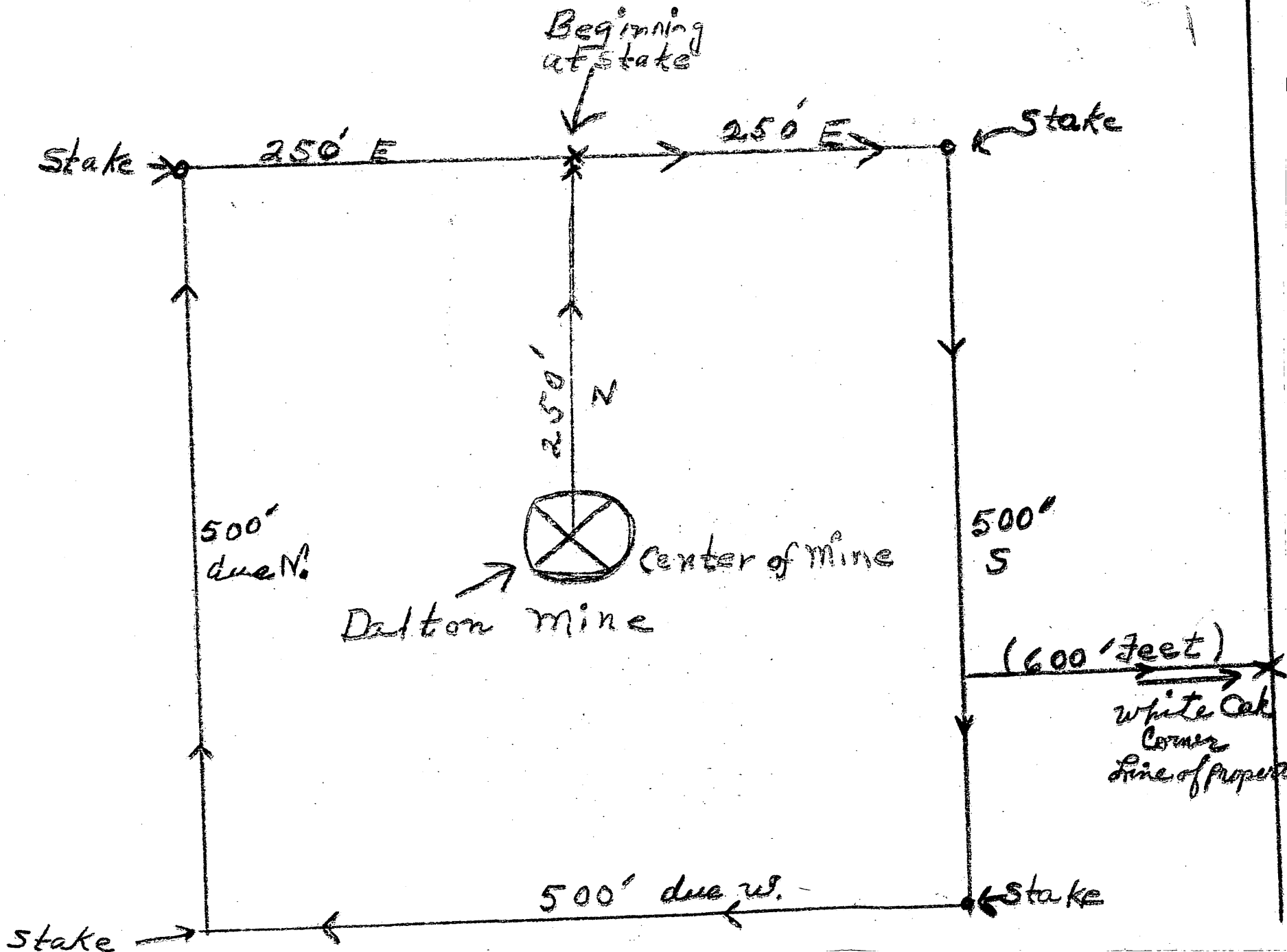
Location Map No. 2
Dalton Mine DMEA 4238

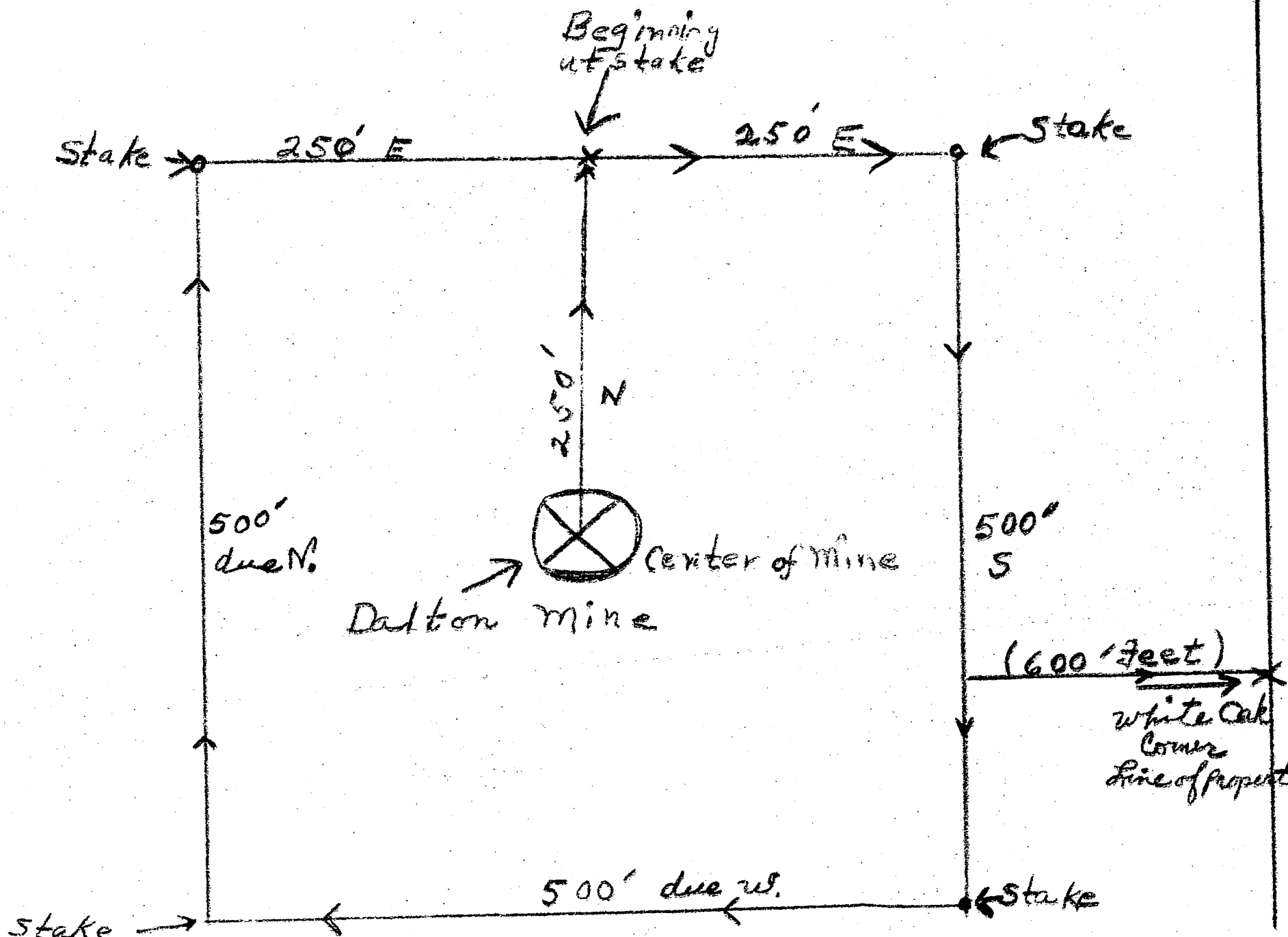


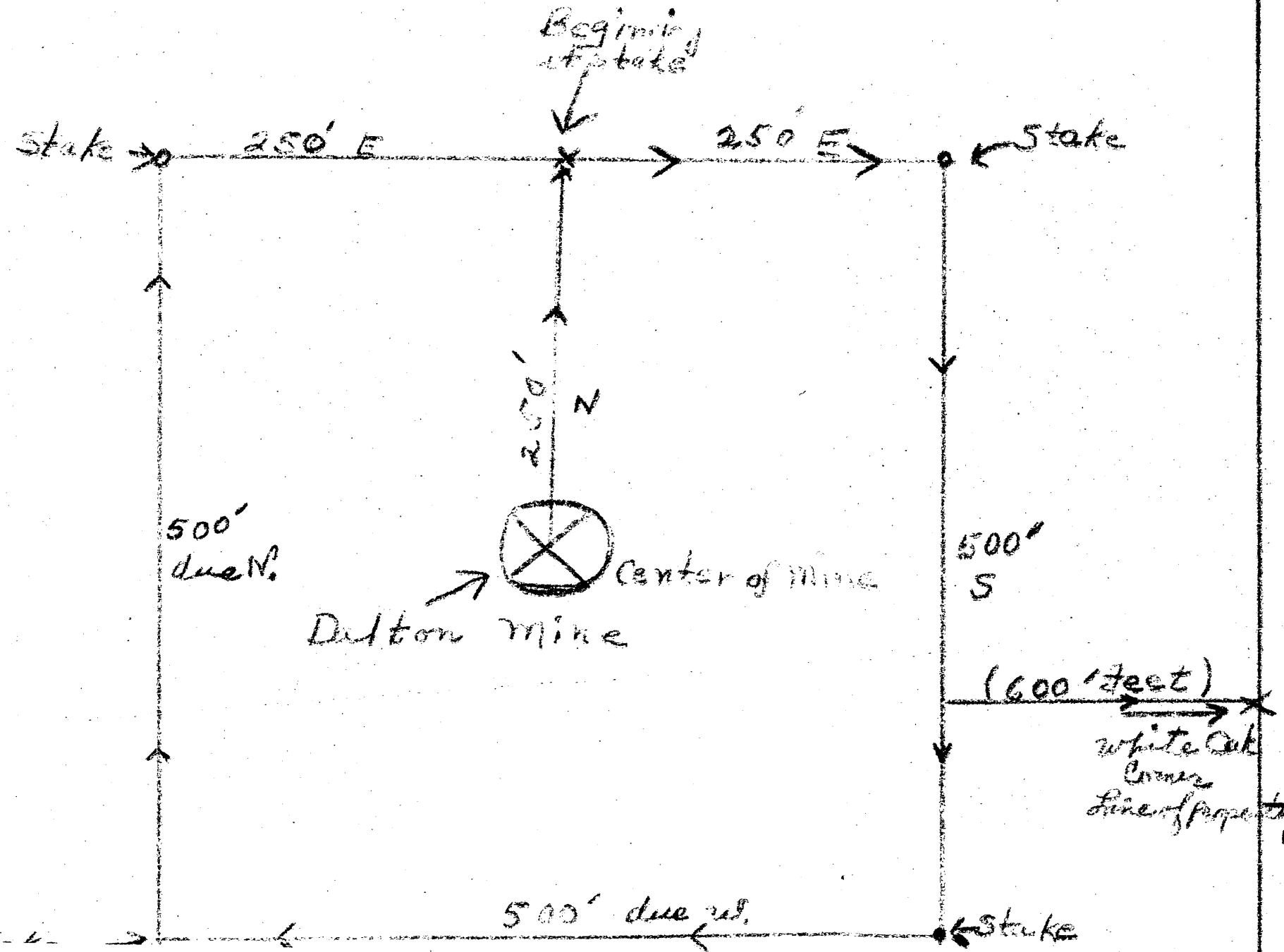
RECEIVED
JUN - 7 1956

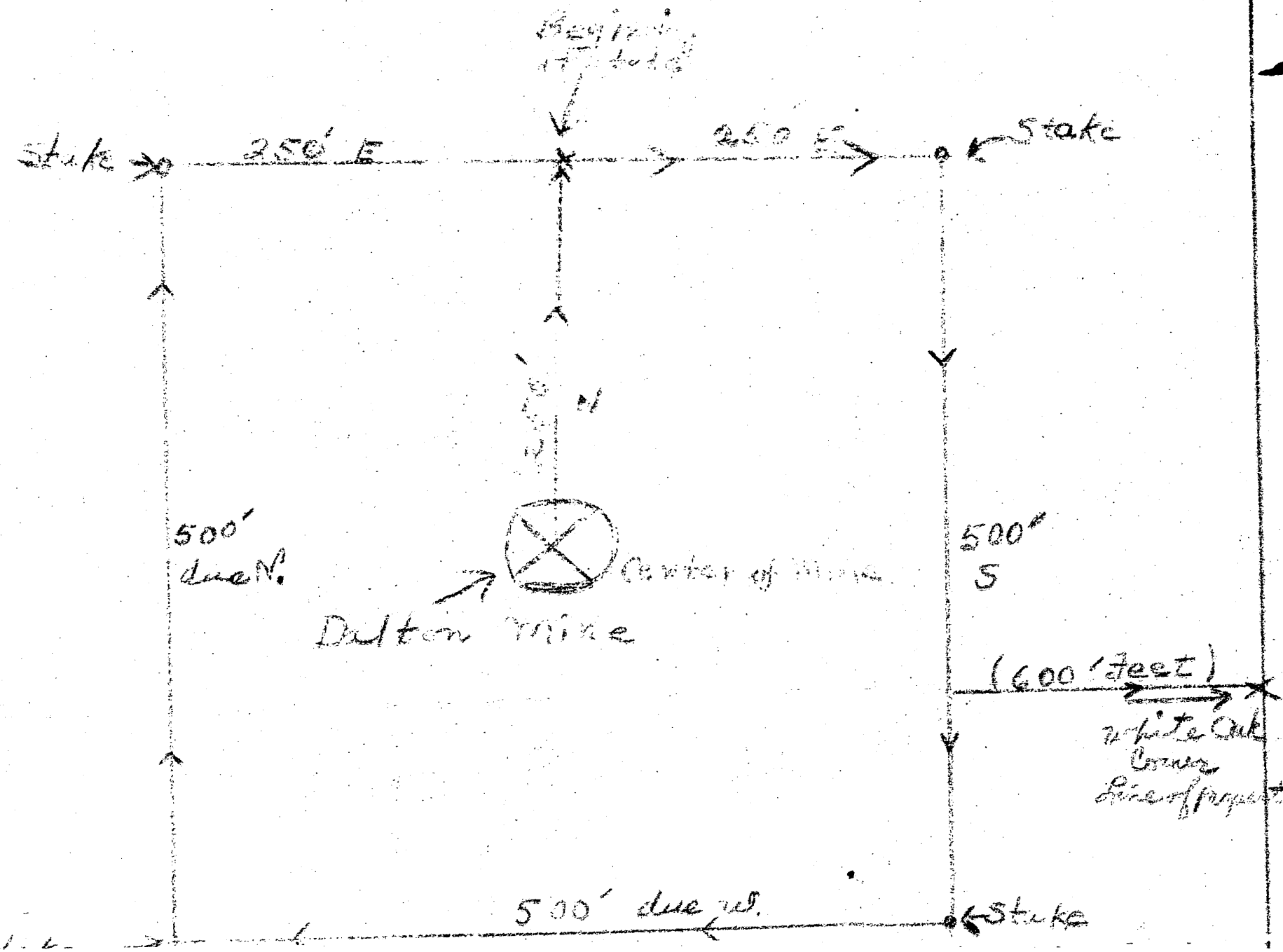
Location Map No. 2
Dalton Mine DMEA 4238



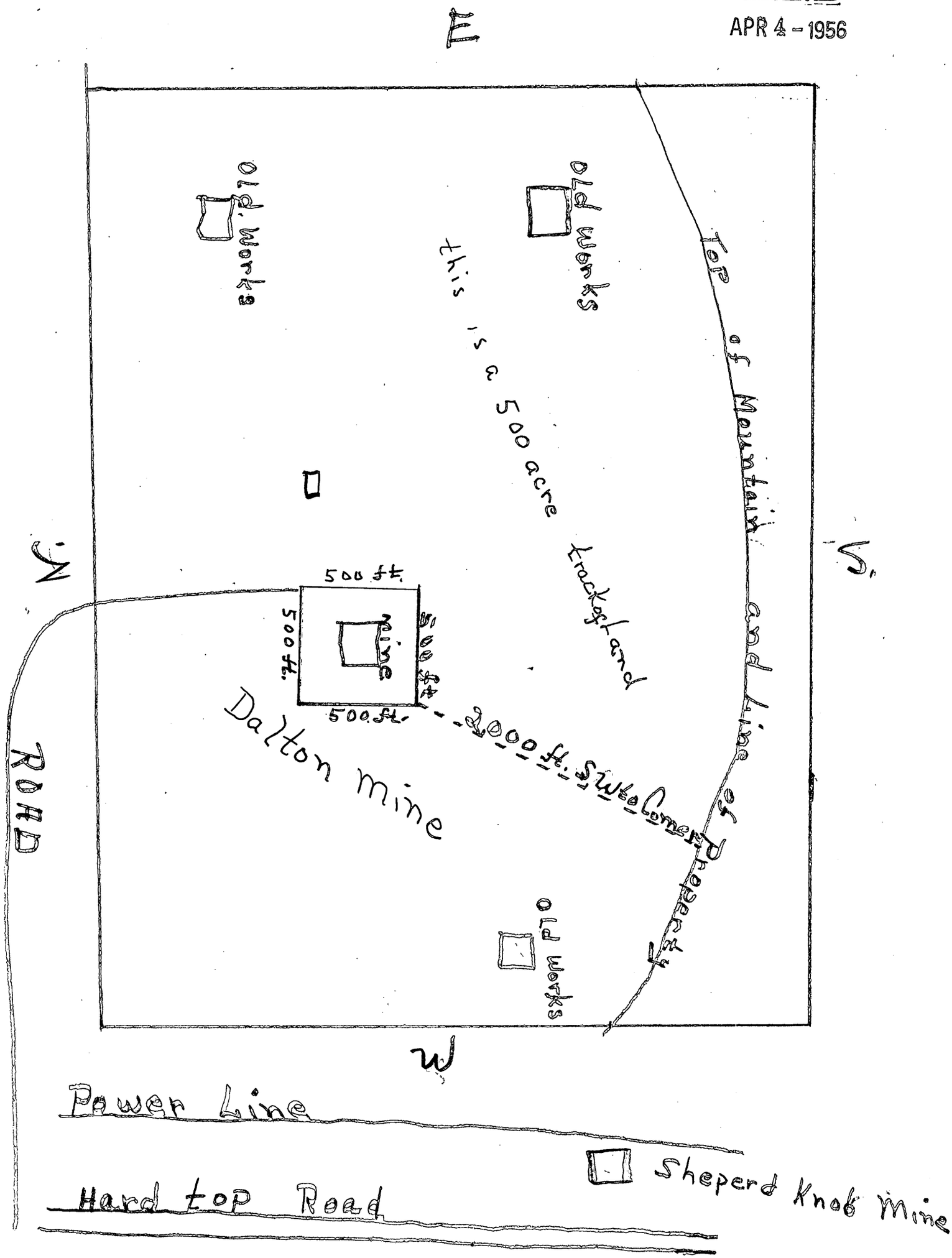

Beginning at Stake
Stake
250' E
250' E
Stake
250' N
500' due N.
Center of mine
Dalton Mine
500' S
(600' feet)
white Oak Corner Line of Propert
500' due W.
Stake
Stake


Beginning at Stake
Stake
250' E
250' E
Stake
250' N
500' due N.
Center of Mine
Dalton Mine
500' S
(600' feet)
White Oak Corner Line of Property
500' due W.
Stake
Stake


Beginning stake
Stake
250' E
250' E
Stake
250' N
500' due N.
Center of Mine
Dalton Mine
500' S
(600' feet)
white Oak Corner
Line of Property
500' due W.
Stake


Stake
250' E
250' E
Stake
500' due N.
Center of Mine
Dalton Mine
500' S
(600' feet)
white Oak Corner
Line of property
500' due W.
Stake

RECEIVED
APR 4 - 1956



U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Mr. Griswold Room 4111, Interior DWEH	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP
	RUN STOP		RUN STOP

Send surplus envelopes to supply room for reissue.

Use other side

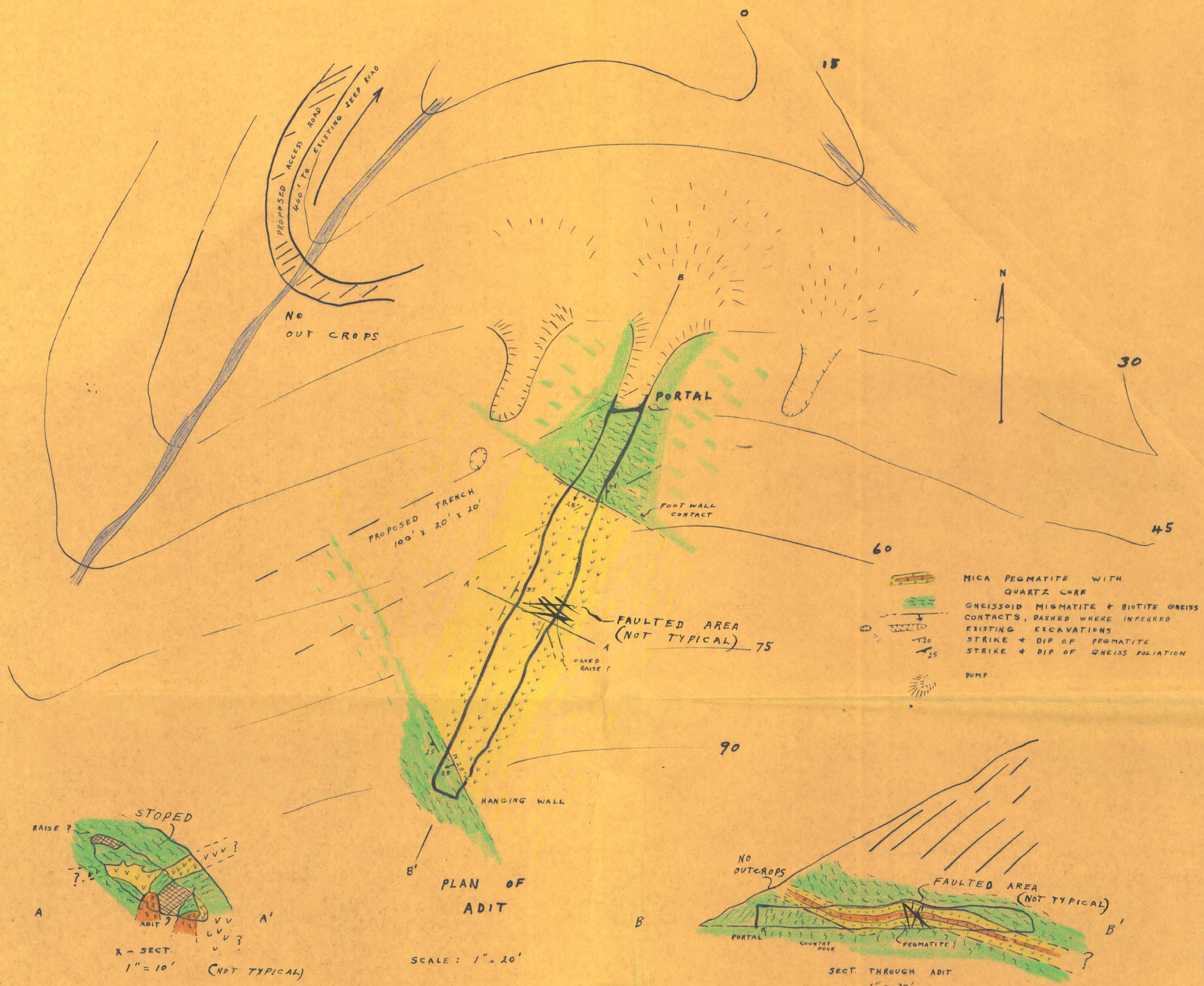
Use RUN and STOP only when messenger service between Government buildings in Washington is required.
Your mail room has RUN and STOP information.

DALTON MINE

MACON CO., N.C.

DMEA - 4238 (MICA)

MAY 23, 1956

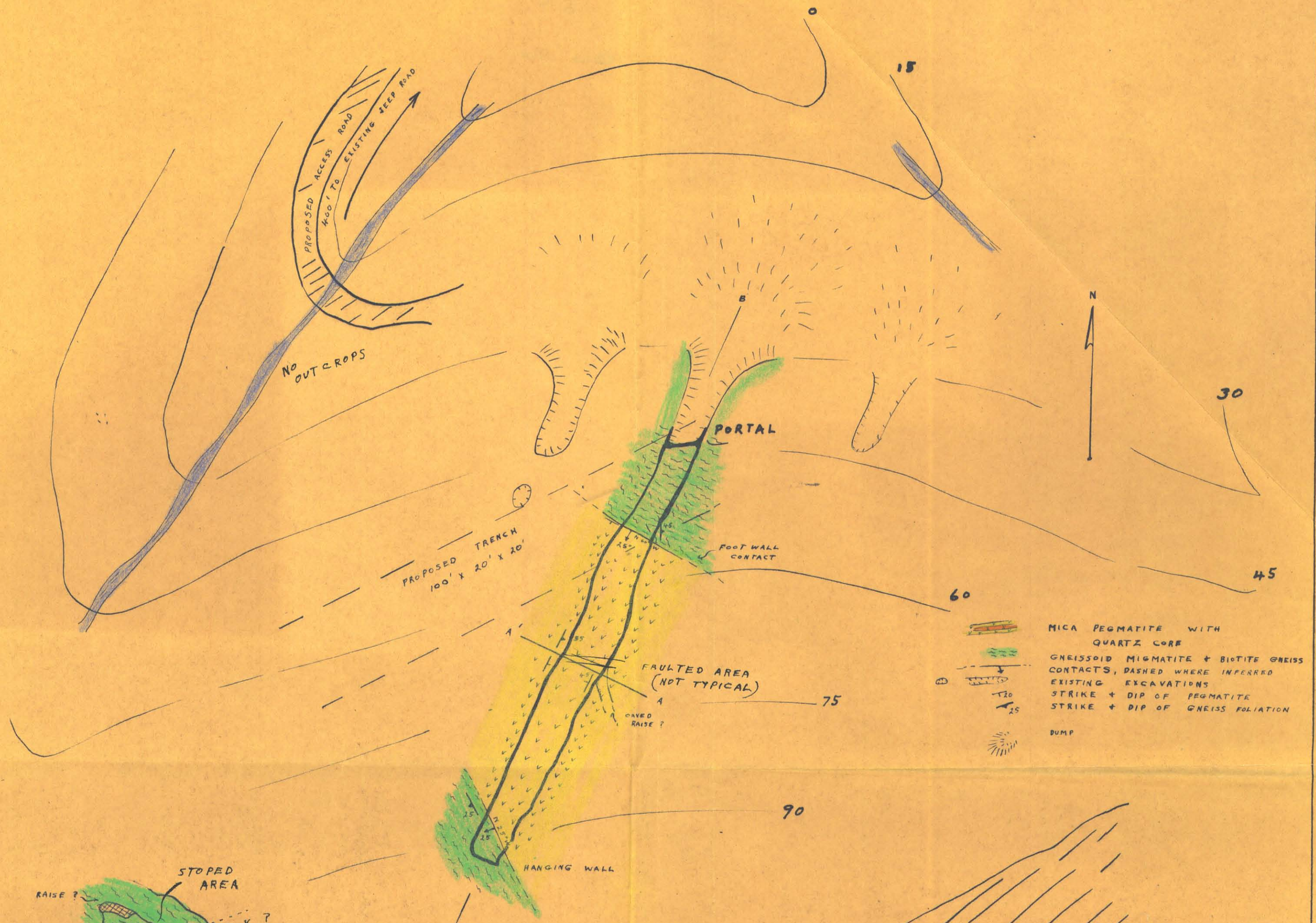


DALTON MINE

MACON CO., N.C.

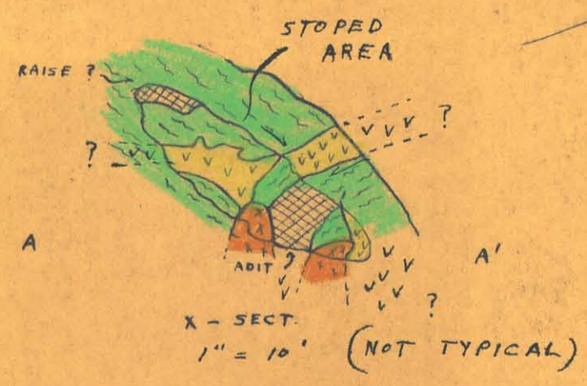
DMEA - 4238 (MICA)

MAY 23, 1956



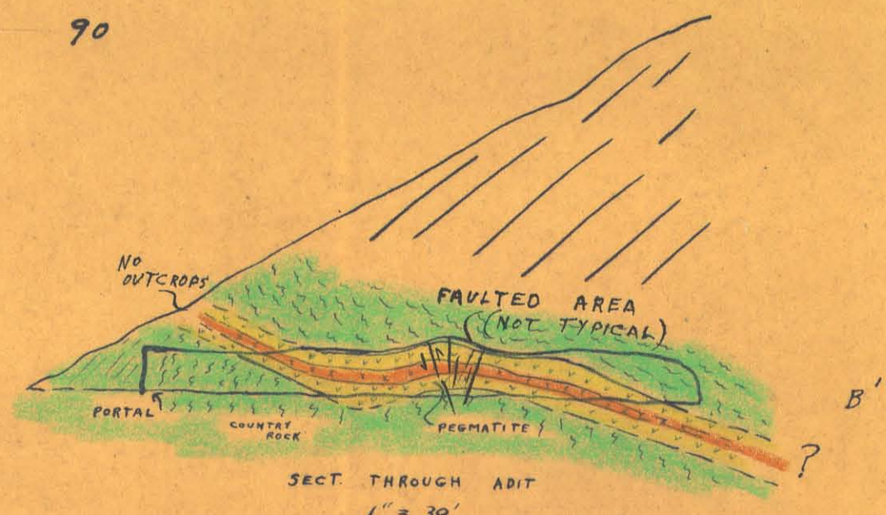
PLAN OF ADIT

SCALE: 1" = 20'



X - SECT.

1" = 10' (NOT TYPICAL)



SECT. THROUGH ADIT

1" = 30'

(CONTOURS — ASSUMED)

TAYLOR
5-23-56