Secret Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR

A Etam
9/8/53
Bustin

AMENDMENT NO. 2

Contract Idm-2418, DMEA 2575, dated the 9th day of October 1952, between the United States of America, Acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and CONWAY REVIS, hereinafter called "Operator" is amended as follows:

Article 3 is amended to provide that the Operator is to complete the project within a period of eleven (11) months from the date of the contract, instead of nine(9) months as amendment by Amendment No. 1 dated February 18, 1953.

This amendment is necessary because Mr. Revis had been unable to get a sub-contractor to finish the work. He now has a sub-contractor and the work is underway.

This amendment shall not be contrued to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the costs which the Government may be obligated to paym under the provisions of Article 4 of the contract form.

July 6, 1953.

THE UNITED STATES OF AMERICA

BY Robert A. Laurence
Executive Officer, DMEA
Field Team, Region 7

CONWAY REVIS

Conway Revis

KR

UNITED STATES
DEPARTMENT OF THE INTERIOR

AMENDMENT NO. 1

Contract Idm-1418, DMEA-2575, dated the 9th day of October 1952, between the UNITED STATES OF AMERICA, Acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and CONWAY REVIS, hereinafter called "Operator," is amended as follows:

Article 3 is amended to provide that the Operator is to complete the project within a period of nine (9) months from the date of the contract, instead of five (5) months, as provided in the original contract.

This amendment is necessary because work was delayed due first to fire service restrictions by the Forestry Service and secondly-to severe winter weather conditions existing at high altitude in Western North Carolina mountains where the mine is located.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the costs which the Government may be obligated to pay, under the provisions of Article 4 of the contract form.

Dated: February 18, 1953

THE UNITED STATES OF AMERICA

By: Robert A. Laurence
Robert A. Laurence, Executive Officer
Of A Field Team, Region 7

CONWAY REVIS

Conway Revis

R C Rice
3/6/53
Hoffland

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1953

MF-200 (A)
(February 1952)

DOCKET No. DMEA 2575

COMMODITY Mica

Docket Copy
IDM- E 418

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 9th day of October, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Sunny Davis
c/o James E. Scott, Jr.
Waynesville, N. C.

hereinafter called the "Operator," as follows:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of North Carolina, County of Haywood, described as follows:[3] being part of the Pisgah-Cherokee National Forest as described in a lease dated April 1, 1952 granted by the Bureau of Land Management for the United States of America and identified by Serial No. BLM-A 024553

the Operator represents and undertakes:[4]

(*a*) ~~[illegible]~~

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

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

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

in or upon the described land; and shall bring the project to completion within a period of 5 months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 50 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $2,670.00, which is 50 percent of $5,340.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 9. *Changes and added provisions* _____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Conway Ruth
(Operator)

By Conway Ruth

By O Mitterling
Administrator, Defense Minerals Exploration Administration
acting under Holland Holt Chamber

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

_____ [CORPORATE SEAL]

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

EXPLORATION PROJECT CONTRACT
CONWAY REVIS
DOCKET NO. DMEA-2575

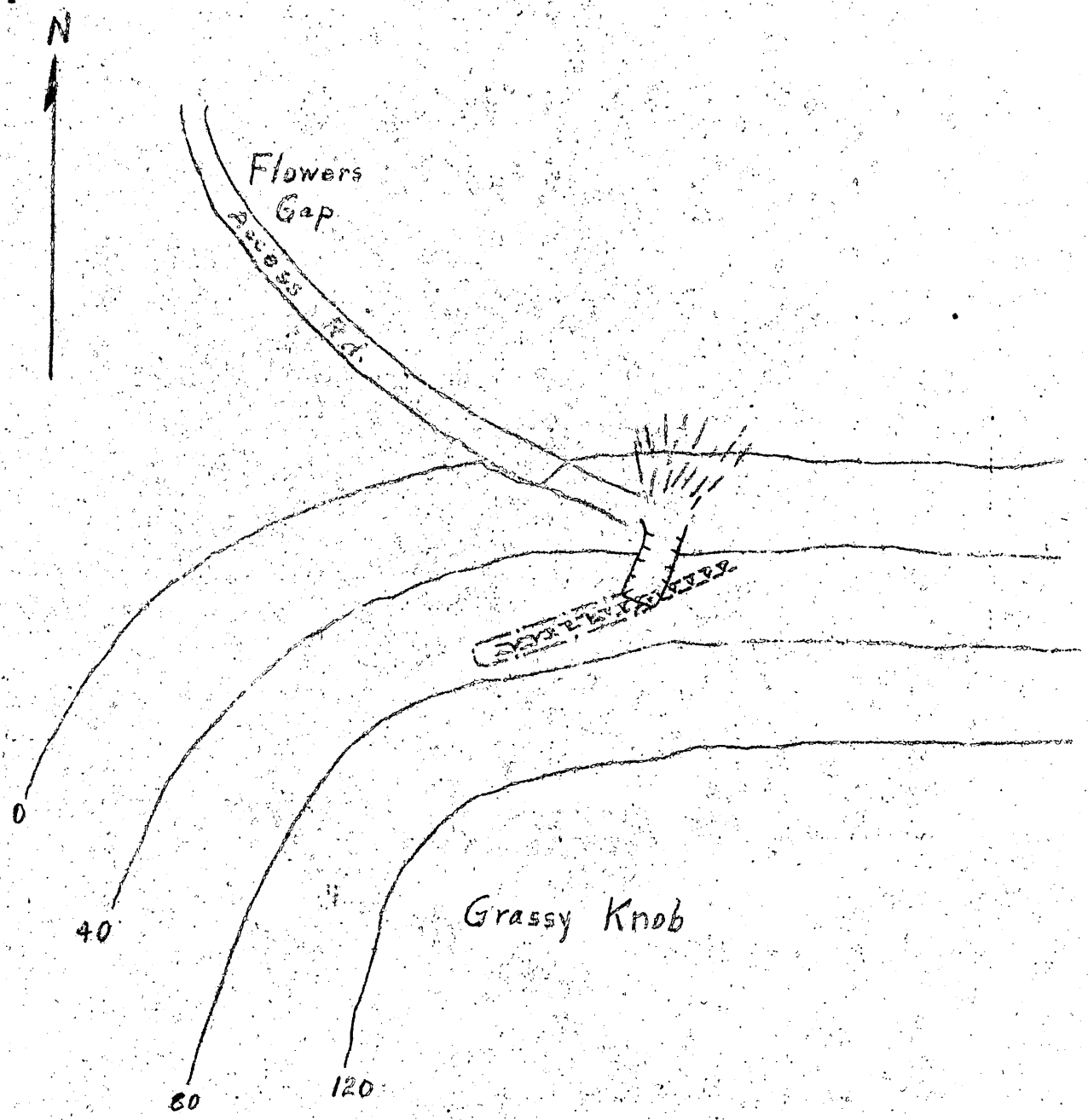
EXHIBIT "A"

Description of the Work

Drive a 5' x 7' drift from the open cut along the pegmatite for approximately 100 feet as shown on the map entitled "Sketch of Grassy Knob Mine, Haywood Co., N.C. DMEA-2575" attached hereto and made a part hereof.

Estimated Cost of the Project

Drift 100 feet at $33.00 per foot	$3,300.00	
Total Estimated Cost of Project		$3,300.00
Government participation @ 90%		$2,970.00



Sketch of
GRASSY KNOB MINE
Haywood Co., N.C.
Scale: 1" = 100'

Open Cut
Proposed Drift

DMEA-2575

DMA Form 1

arrow

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA~~DMA~~ Docket No. 2575

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 PROJECT

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

Routing Slip

Copies to USBM, USGS, and Region VII.

To:	Code 600, Rm. 4637	Date	6-10-52
To:	Fe	Date	6/ /52
To:	Op Com	Date	8-6-52
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

Acting Chairman, Oper. Comm. DMEA

RECEIVED
AUG - 8 1955

DN 235 BUR MINES 8-8-55 9-35 AM

ACTING CHAIRMAN, OPERATING COMMITTEE, DMEA

RE GLENN MINING CO., E-422, DOCKET 2575, BLACK BEAR CONOLIDATED MINING CO. HAS REQUESTED THEY BE INFORMED THE AMOUNT OF INDEBRXX INDEBTEDNESS INCURRED BY GLENN MINING CO. UNDER DMEA CONTRACT IDM-E422, AND OTHER ROYALTY INFORMATION.

PLEASE ADVISE BY TT IF WE MAY GIVE THIS INFORMATION TO BLACK BEAR CONSOLIDATED MINING CO. PLEASE REFER TO OUR MEMORANDUM OF JULY 15, 1955, CONCERNING THIS SUBJECT.

W M TRAVER

Denver, Colo.

AUG 8 1 17 PM '55

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

File Copy
Surname:
Anderson
Houk
Chamberlin
Hoffmeyer

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

MAR 8 1954

Mr. Conway Revis
C/o Mr. James H. Howell, Jr.
Waynesville, North Carolina

Re: Docket No. DMEA-2575 - Mica
Conway Revis
Grassy Knob Mine
Haywood County, North Carolina
Contract No. Idm-E418

Dear Mr. Revis:

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

Total claimed for units of work performed	$3,300.00
Total Government contribution at 90 percent	$2,970.00

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

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

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

Sincerely yours,

C. O. Mittendorf
Administrator

WCAnderson:gad 3/3/54
Copy to: Admr. R. File
Docket File
Field Team, Reg. 7
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk
~~Bureau of Land Management (Serial No. BLM A 024553)~~

R.C.G. 3-8-54

File Copy
Surname:
Anderson
Smith
Chambers

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

Project Summary Report

By: Walter C. Anderson March 3, 1954

1. DMEA Docket No. 2575 - Mica
Contract No. Idm-E418
Grassy Knob Mine
Haywood County, North Carolina

Operator: Conway Revis
c/o James H. Howell, Jr.
Waynesville, North Carolina

Operator's Property Rights:
Ten-year Lease - dated April 1, 1952

2. Contract - dated October 9, 1952
Work authorized:

100 feet of 5'x7' drift @ $33/ft.	$3,300.00
Total Estimated Cost of Project	$3,300.00
Government participation @ 90%	$2,970.00

Amendments:
No. 1 - 2/18/53 - Extends completion date from 5 months to 9 months.
No. 2 - 7/6/53 - Extends completion date from 9 months to 11 months.

Work completed - Same as authorized.
Work began on November 13, 1952 and was completed on August 10, 1953.

3. Audit - certificate issued 9/11/53 (No exceptions).

4. Certification of Discovery - None issued.

5. Comments:

How conducted:
1. Lacked good supervision.
2. Required longer time to complete than necessary. Some of the delay was caused by Forest Service fire restrictions and severe winter weather conditions. However, this is not accountable for all the delay.

R.C.S.
3-5-54

Operation:
1. Work was contracted.
2. Operator lacked proper interest in work.

Engineering: Reports by sub-contractor were acceptable.

Geological premise: The premise that pegmatite continued proved wrong. Inasmuch as the pegmatite pinched out after ten feet of drifting.

Geological criteria upon which work was based:
1. Unzoned pegmatite 5' - 6' thick.
2. Mica up to 6 inches obtained in past.
3. Past production.

Criteria Developed during project:
None

Future possibilities:
No additional work warranted.

Recommendations:
1. Concur with field team that no certification be made.
2. Operator should not be considered for another contract.

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

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

Project Summary Report

By: Walter C. Anderson WA March 3, 1954

1. DMEA Docket No. 2575 - Mica
Contract No. Idm-E418
Grassy Knob Mine
Haywood County, North Carolina

Operator: Conway Revis
c/o James H. Howell, Jr.
Waynesville, North Carolina

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4. Certification of Discovery - None issued.

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How conducted:
1. Lacked good supervision.
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Geological criteria upon which work was based:
1. Unzoned pegmatite 5' - 6' thick.
2. Mica up to 6 inches obtained in past.
3. Past production.

Criteria Developed during project:
None

Future possibilities:
No additional work warranted.

Recommendations:
1. Concur with field team that no certification be made.
2. Operator should not be considered for another contract.

Mr. Parker

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

February 4, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2575

Contract Number: Idm-E418

Applicant: Conway Revis

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

Date of Field Team Final Report: January 12, 1954

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

Field Team Recommendation:

1. No certification of discovery or development.

Comments:

1. No mica of strategic quality or grade was encountered.
2. Expenditures:

Total approved	$3,300
Total cost of project	3,300
Government's share	2,970
Value	None

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

Mr. Cochrane

IN REPLY REFER TO:
G-MD-CNM

Defense Minerals Administration
RECEIVED
JAN 21 1954

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

January 20, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2575 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Conway Revis.
Name of property: Grassy Knob (Revis) Prospect.
Location of property: Approximately 26 miles by road southeast of Waynesville, Haywood County, North Carolina -- at elevation in excess of 5000 ft. in Pisgah National Forest along north side of Grassy Knob and one mile due south of Shining Rock.
Date of field team report: January 3, 1954.
Authorship of field team report: K. H. Teague and L. E. Shirley.
Field team's recommendation: No certification of discovery should be issued.
Comments: Because no commercial mica was discovered, no further work is recommended.
ACTION RECOMMENDED:
Follow field team's recommendation.

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

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

Minerals Administration
RECEIVED
JAN 14 1954

January 12, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, Region 7

Subject: Final Report, DMEA-2575, Idm-E 418, Grassy Knob Prospect (mica) Conway Revis, Operator

Enclosed herewith are 4 copies of the Field Team final report on the subject exploration contract.

The entire amount of work provided in the contract was completed without making a discovery. We agree with the Examiners' recommendation that certification should not be issued.

Robert A. Laurence
Robert A. Laurence, Executive Officer
DMEA Field Team, Reg. 7

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

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

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
JAN 14 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
Douglas McKay, Secretary

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

FINAL REPORT
on
DMEA-2575, GRASSY KNOB PROSPECT (mica), (Idm-E 418)
Haywood County, North Carolina

By

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

and

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

January 3, 1954

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
JAN 14 1954

FINAL REPORT
On

DMEA-2575, GRASSY KNOB (Revis)Prospect
Contract Idm-E 418 (mica)

Operators: Conway Revis, c/o J. H. Howell, Jr. Waynesville, N. C.

The Grassy Knob (Revis) Prospect is approximately 26 miles by road southeast of Waynesville, Haywood County, North Carolina. It is at an elevation in excess of 5000 feet in Pisgah National Forest along the north side of Grassy Knob and one mile due south of Shining Rock.

Work completed under contract consisted of driving a 100-foot adit in a zone injected with numerous small pods and stringers of pegmatite. No. deposit of commercial minerals was discovered, thus additional work is not warranted, nor should a certification of discovery be issued.

The project began on November 13, 1952, and was completed on August 10, 1953. The adit was driven in a S 60° W. direction for 30 feet, then turned to S 75° W. and continued for another 40 feet. Then the direction of the adit was turned northward for 14 feet, but as this failed to pick up any pegmatite, the Operator was advised to return to the original direction at 70 feet and continue from there. This was done and the adit was driven an additional 16 feet in a S 75° W. direction. No mica bearing pegmatite was found in any of the openings.

The adit was begun on a pegmatite which was about 5 feet thick with a N. 75° E. Strike and vertical dip. After following this pegmatite for about 10 feet, it pinched out. The heading was continued in the same zone and accasionally 6-inch stringers and pods up to 12 inches thick were encountered in the adit; however, none had lateral or vertical extent. Throughout most of its length the adit was driven along the foliation trend of the biotite gneiss.

Those small pegmatites which were encountered are composed of quartz and lesser amount of plagioclase feldspar, garnet, muscovite scales, whisps of biotite, and pyrite. The largest muscovite found was about two-inches in diameter.

Expenditures:

(a)	Total approved	$3,300.00
(b)	Total Cost of Project	3,300.00
(c)	Government's share of Cost	2,970.00
(d)	Government's share unexpended - None	
(e)	Value of production during operation - none	

Reviewed by
DMEA OPERATING COMMITTEE

1-20-54
(date)

This operation required more time to complete than appeared necessary. Part of the delay was caused by severe winter weather. The Operator sub-contracted the work and left the area, thus very little supervision was available. The Field Examiners would suggest that this Operator not be considered for another contract.

The contract was on a unit basis, thus no equipment was purchased for the project.

January 3, 1954.

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

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

zm

FILE COPY
SURNAME:

Anderson
Houk
Larrabee
Selfridge
Mitchell

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

JAN - 7 1954

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

Subject: Docket No. DMEA-2575 - Mica
Conway Nevis
Grassy Knob Mine
Haywood County, North Carolina
Contract No. Lim-8418

Dear Mr. Laurence:

Reference is made to the subject docket and contract.

We have received the Operator's Final Report, dated August 13, 1953, and the Audit Review, dated September 11, 1953, but have not heard from the Field Team since their last Interim Report of August 4, 1953.

We will be pleased to have the Field Team's Final Report so that we may write a resume and close out the docket.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Approved:

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

D. M. Larrabee (JHB)
Member, Geological Survey

WCAnderson:gad 1/5/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3526
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.H. 1-7-54

COPYmds

FILE COPY
SURNAME:
Talbert

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

Sept 15 1953

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

Dear Mr. Laurence:

Enclosed herewith for distribution in accordance with the provisions of Sec. 3 to Supl. No. 4 of DMEA Circular 19, are four Reports of Review in lieu of final audits which I prepared during my recent visit to Knoxville:

Idm-E311	DMEA-2377	Piedmont Minerals, Inc.
" 418	" 2575	Conway Revis
" 503	" 2832	H. R. H., Inc.
" 511	" 2824	Hawkins Mining Company

I am at present working on the audit report for the Callahan Zinc-Lead Company, Contract Idm-E321, Docket DMA-1709, but of course I can not complete this report until I receive confirmation from you as to the property settlement.

I wish to take this opportunity to thank you and the personnel of the Bureau of Mines for their usual courtesies. I wish to thank Mr. Beck particularly for his invaluable assistance while at Aiken.

Sincerely yours,

Signed by Talbert
E. D. Talbert, Asssistant Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
September 15, 1953

Copy to: Docket
Admr. Reading File
Mrs. Piper Mr. Chambers

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

September 2, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 2 - Docket No. DMEA-2575 - Mica
Conway Revis
Grassy Knob Mine
Haywood County, North Carolina
Contract No. Idm-E418

The purpose of this amendment is to extend the completion date to September 9, 1953, because of the inability of the Operator to get a subcontractor to finish the work.

The Nonmetallic Minerals Division concurs in the amendment as written and executed by the Executive Officer, DMEA Field Team, Region VII.

Walter C. Anderson
Walter C. Anderson
Nonmetallic Minerals Division

RECEIVED
SEP 8 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

FILE COPY
SURNAME:

Anderson
Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION
600
WASHINGTON 25, D. C.

September 2, 1953

N.S. in R.R.

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Amendment No. 2 - Docket No. DMEA-2575 - Mica
Conway Revis
Grassy Knob Mine
Haywood County, North Carolina
Contract No. Idm-E419

The purpose of this amendment is to extend the completion date to September 9, 1953, because of the inability of the Operator to get a subcontractor to finish the work.

The Nonmetallic Minerals Division concurs in the amendment as written and executed by the Executive Officer, DMEA Field Team, Region VII.

Walter C. Anderson
Nonmetallic Minerals Division

WCAnderson:gad 9/2/53

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

INTERIM REPORT

DMEA-2575 Idm-E418 (mica) GRASSY KNOB MINE

OPERATOR: Conway Revis, c/o Mr. James H. Howell, P. O. Box 24, Waynesville, North Carolina.

LOCATION: In Pisgah National Forest and along the north side of Grassy Knob, midway between Grassy Knob and Flowers Gap and 1 mile due south of Shining Rock. It is approximately 26 miles by road southeast of Waynesville, Haywood County, North Carolina.

This adit continues to be driven under contract and is now at 84 feet. A previous visit to the mine on July 23, 1953 placed the heading at 65.5 ft. At a point 70 feet from the portal an abrupt turn to the north was made and 14 feet was driven in this direction. The contractor was advised to pick up original direction at 70 feet and continue driving until footage is completed.

Material encountered has consisted of pegmatite stringer and pod material containing extremely small muscovite mica and laminated biotite. Quartz with little feldspar has been the essential mineral throughout and acessory minerals consist of finely disseminated garnet and pyrite. The country rock is biotite schist. Several granitic zones have been encountered throughout the work, some of which exceeded 10 ft. in thickness.

The contractor anticipates completion of this project within the coming week.

L. E. Shirley

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

August 4, 1953

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

July 20, 1953

Memorandum

To: Chairman, Operating Committee, DMEA - Washington

From: Executive Officer, DMEA Field Team, Region 7

Subject: Signed Amendments.

Transmitted herewith are three signed copies each on the following:

DMEA-2575, Idm-E418 (mica) Conway Revis. Amendment No. 2

DMEA-2790, Idm-E512 (mica) S, W, Presnell Mica Miners. Amendment No. 1

DMEA-2725, Idm-E480 (mica) Forest City Mining Co. Amendment No. 1

Robert A. Laurence
Robert A. Laurence

cc
7-22

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

DEPARTMENT OF THE INTERIOR
Bureau of Mines Library
RECEIVED

June 30, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VII

Subject: Interim Report, DMEA-2575, Idm-E418 (mica) Grassy Knob Mine
Conway Revis, Box 24, Waynesville, North Carolina

Transmitted herewithare original and three copies of the interim report on the subject contract.

Robert A. Laurence
Robert A. Laurence
Executive Officer Per G
DMEA Field Team, Region VII

Enclosures 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 1953

INTERIM REPORT

DMEA-2575 Idm-E418 (mica) GRASSY KNOB MINE

OPERATOR: Conway Revis, c/o Mr. James H. Howell, P. B. Box 24, Waynesville, North Carolina.

LOCATION: In Pisgah National Forest and along the north side of Grassy Knob, midway between Grassy Knob and Flowers Gap and 1 mile due south of Shining Rock. It is approximately 26 miles by road southeast of Waynesville, Haywood County, North Carolina.

This project, which has been suspended temporarily since January 1953, has resumed work. Up to early January, 27 feet of adit had been driven and since operations have resumed, the face has advanced 16 feet. Work is being performed by Hardy Cable of Hazelwood, North Carolina as contractor. Additional timbering of the portal, additional top lagging and resetting of stulls on 5 ft. centers, on footage already completed, is being accomplished.

Material encountered has principally been biotite schist with an occasional pegmatite stringer. It was suggested to the contractor that he bear right a few degrees with future headings in order to pick up the dike.

Recent progress on this project has been satisfactory.

L. E. Shirley

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

June 25, 1953

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

February 27, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Review of Amendmemt No. 1 - Docket No. DMEA-2575 - Mica
Conway Revis [Idm-E418]
Grassy Knob Mine
Haywood County, North Carolina

Purpose: To increase the time allowed for completing the contract.

Method: Amend Article 3 to allow nine months instead of five months for completion.

Recommendation: Concurrence.

Justification: This amendment is necessary because work was delayed first by Forest Service fire restrictions, and then by severe winter weather conditions at the mine.

Execution: Amendment No. 1 was executed January 18, 1953, in the field by the Executive Officer of Region VII.

Stanley A. Feitler
Stanley A. Feitler
Nonmetallic Minerals Division

Posted 3/2.

2575

FILE COPY
SURNAME:

Feitler
Houk
office

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

600

February 27, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Review of Amendment No. 1 - Docket No. DMEA-2575 - Mica
Conway Revis
Grassy Knob Mine
Haywood County, North Carolina
[Idm-E418]

Purpose: To increase the time allowed for completing the contract.

Method: Amend Article 3 to allow nine months instead of five months for completion.

Recommendation: Concurrence.

Justification: This amendment is necessary because work was delayed first by Forest Service fire restrictions, and then by severe winter weather conditions at the mine.

Execution: Amendment No. 1 was executed January 18, 1953, in the field by the Executive Officer of Region VII.

/s/

Stanley A. Feitler
Nonmetallic Minerals Division

SAFeitler:gad 2/27/53

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

RECEIVED
MAR - 5 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Docket Copy

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

February 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1953

Memorandum

To: Operating Committee, D M E A - Washington

From: Executive Officer, DMEA- Region 7

Subject: Amendment No. 1. DMEA-2575, Idm-E418, Conway Revis (mica)

Transmitted herewith are three signed copies of the above subject amendment extending the completion date four months.

A copy was retained by the Operator, one by this office and one sent to the Finance Officer, Region 7.

Robert A. Laurence

Robert A. Laurence

2-26-53

Dnea 2575

February 2, 1953

Mr. Conway Nevis, Owner-Operator
c/o James H. Howell
P. O. Box 24
Waynesville, North Carolina

B. Weinstein

Dear Mr. Nevis:

Attached is a Safety Inspection Report of your Grassy Knob Mine made by Mr. Roy C. Stott, mining health and safety engineer, on January 9, 1953.

Very truly yours,

M. C. McCall, Chief,
Accident Prevention and Health
Division, Region VII

cc: R. A. Laurence, Room 13, Post Office Bldg., Knoxville 2, Tenn.
W. A. Beck (3) Room 13, Post Office Bldg., Knoxville 2, Tenn.
F. H. Shuford, State Department of Labor, Raleigh, N.C.
J. L. Fitzgerald, Box 7346, Asheville, N. C.
Director, Defense Minerals Exploration Administration, Washington, D.C.
S. H. Ash
J. Westfield
A. Gabriel
J. R. Thoenen, Bureau of Mines, Tuscaloosa, Alabama
R. C. Stott
District Office

mcm

SAFETY INSPECTION REPORT
GRASSY KNOB MINE (MICA)
(NEAR) CRUSO, HAYWOOD COUNTY, NORTH CAROLINA

January 9, 1953

By

Roy G. Stott
Mining Health and Safety Engineer

Originating Office - Bureau of Mines
210-12 Social Security Building
Birmingham 3, Alabama
M. C. McCall, Chief
Accident Prevention and Health Division
Region VII

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

SAFETY INSPECTION REPORT
GRASSY KNOB MINE (MICA)
(NEAR) CRUSO, HAYWOOD COUNTY, NORTH CAROLINA

January 9, 1953

by

Roy G. Stott
Mining Health and Safety Engineer

INTRODUCTION

This report is based on an inspection made at the request of the Defense Minerals Exploration Administration to determine conditions and practices relating to health and safety and to propose recommendations for correcting hazards. The inspection party consisted of Roy G. Stott, mining health and safety engineer, Bureau of Mines, William A. Beck and Laurence E. Shirley, mining engineers, Defense Minerals Exploration Administration, and Conway Revis, mine owner-operator.

GENERAL INFORMATION

The Grassy Knob mine is on land leased by the U. S. Bureau of Land Management and operated by Conway Revis of Waynesville, North Carolina. A prospect loan has been granted by the D. M. E. A. under Docket No. 2575, contract Idm E418. The lease is part of the Pisgah-Croatin National Forest lands as described in a lease dated April 1, 1952 granted by the Bureau of Land Management for the United States of America and identified by the Serial No. BIM-A 024553.

The mine is located along the north side of Grassy Knob, midway between Grassy Knob and Flowers Gap. It is approximately one mile due south of Shining Rock and approximately 26 miles by road southeast of Waynesville, Haywood County, North Carolina. It is accessible by 7.3 miles of fire service road from the west fork of the Pidgeon River road (graveled).

The mine consists of an exploratory adit drift 29 feet long on a 4-to-5-foot thick pegmatite vein striking N75°E and dipping vertically. The prospect contract is for 100 feet of drifting.

A large house trailer near a mountain spring is provided to house two white workmen and a small steel building is provided for two colored workmen. The camp is situated about 3/8-mile from the mine and a small supply of first-aid equipment is kept in the large trailer.

An Ingersoll-Rand Model U-69 gasoline-engine powered 105 cfm portable air conpressor supplies compressed air for drilling and for ventilation. Drilling is done dry using a 65-lb. hand-held jackhammer. An old used hot water tank has been equipped with pipe fittings intended for use in wet drilling. Respirators are reportedly worn while drilling dry.

No dynamite storage magazine or cap magazine is provided.

The mine was not active at the time of inspection. Normally three men work at the mine and all are reported to wear hard hats.

A one ton capacity hand-made truck is provided for improvised track haulage.

SAFETY RECOMMENDATIONS

1. An additional timber set should be erected, lagged and blocked in place outby the mine entrance. The top lagging should be covered by at least 2 feet of dirt.

2. The present cap timbers are hitched into loose ribs with no post supports. The caps should be supported on posts and the loose rock barred down from the sides or the timber sets side lagged.

3. Timber sets should be spaced not farther apart than 6 feet. Note: The rock roof and sides are hard and strong but of blocky material due to numerous cracks and joints.

4. At least two 6-foot scaling bars should be provided and the unsupported roof and sides at the face should be more adequately barred or scaled of loose rock before men work underneath. A short length of air hose on each bar will protect the miners hands from rock sliding down the bar.

5. All drilling should be done wet, however, before the water pressure tank is placed in service it should be pressure-tested.

6. Caps and dynamite should be stored separately in bullet-proof dry magazines detached a safe distance from the camp or from the mine entrance. These magazines should be kept locked.

7. The electric blasting line is used as a power cable to a small flood light while drilling and mucking. The power should be removed from the flood light and the outside ends of the cable twisted together or shunted before dynamite and caps are brought to the face for loading the holes.

MISCELLANEOUS

A general safety discussion was held with Conway Revis concerning safe use and storage of explosives and first-aid training. In connection with first-aid training he was reminded of his remote location and his small supply of equipment which did not include a stretcher. Mr. Revis requested Bureau of Mines literature on explosives (Miners' Circular 54) and a first-aid manual. These two items are to be included in his copy of this report (2 copies of each).

Mr. Revis was concerned about his dynamite freezing in cold weather. He was informed his dynamite (40% Hercules Gelatin Extra Dynamite) would not freeze under his weather conditions if stored and kept dry. Fuse, however, should not be stored where it may become brittle from the coal or dry out from heat.

ACKNOWLEDGMENT

The very excellent cooperation of Conway Revis in providing jeep transportation not only to his mine but also to the Little East Fork Mine and in participating in the safety inspection is gratefully acknowledged.

Respectfully submitted,

/s/ Roy G. Stott
Roy G. Stott
Mining Health and Safety Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1952

INTERIM REPORT

DMEA-2575 Idm-2418 (misa) GRASSY KNOB MINE

OPERATOR: Conway Revis, c/o James E. Howell, Waynesville, North Carolina.

LOCATION: In Pisgah National Forest and along the north side of Grassy Knob, midway between Grassy Knob and Flowers Gap and 1 mile due south of Shining Rock. It is approximately 26 miles by road southeast of Waynesville, Haywood County, North Carolina.

This project had not started as of date of contact, although the operator has spent considerable time making preparations for beginning the operation. The operator was contacted at his residence and informed the writer that just at the time that he was ready to begin drifting, the Pisgah National Forest was closed due to extreme dryness and apparent fire hazards. The operator is ready to go and will inform us as to starting date just as soon as he is notified that operations can commence by Forest Service officials.

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

November 3, 1952

DOCKET NO. DMEA - 2575

Sample of mica tested at Spruce Pine, GSA, 7/18/52 found to be ruby mica.

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

Room 13, Post Office Building
Knoxville, Tennessee

October 20, 1952

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team-DMEA - Region 7

Subject: Contract-Idm-E418, Docket DMEA-2575. Con

Attached hereto are three copies of the above subject contract signed by the applicant, Conway Revis. One copy was retained by Mr. Revis, one by this office, and one sent to the Finance Officer.

Wm. A. Beck, Acting for
R. A. Laurence, Executive Officer
Field Team, Region 7

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
OCT 2 . 1952

cal 10-22

FILE COPY
SURNAME:

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

SAFeitler
Houk

OCT 9 1952

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

Subject: Docket No. DMEA-2575 - Mica
Conway Nevis
Serial No. BLM-A 026553
Haywood County, North Carolina

Dear Mr. Laurence:

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

If the contract meets with your approval, present it to the operator for his approval and signature. If any provisions are unsatisfactory to the operator, return all copies to this office along with suggested changes for consideration.

After signing of the contract, one copy is to be given to the operator, one copy retained for your files, one copy for the Regional Finance Officer, and the remaining copies, including the original, are to be returned to this office as soon as possible.

Sincerely yours,

F.H.
10-9-52

(signed) FRANK E. JOHNSON
(2/6)

Chairman, Operating Committee

Approved:

J. H. Hedges (2/6)

Member, Bureau of Mines

T. P. Thayer (2/6)

Member, Geological Survey

Enclosures 6

SAFeitler:gad 10/7/52

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

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

October 1, 1952

Memorandum

To: Administrator

From: S. A. Feitler, Nonmetallic Minerals Division SAF

Subject: Resume - Docket No. DMEA-2575 - Mica
Conway Revis
Revis Prospect
Haywood County, North Carolina

Conclusions: Applicant has apparently uncovered an unworked pegmatite containing ruby mica. Results of a field examination were favorable.

Recommendation: Contract for a total of $3,300.00 to drift 100 feet on the pegmatite as proposed by the field team.

Application received 6/9/52
Proposes indefinite drifting and construction of facilities at a total cost of $10,020.00.
Mica sample satisfactory to G.S.A. 7/18/52
U.S.B.M. & U.S.G.S. recommend field referral.
Referred to field 8/7/52.
Field report received 8/27/52
recommends 100 feet of drift at $40 per foot - $4,000.00.
U.S.B.M. and U.S.G.S. concur with field team.
Contract prepared 10/1/52.

600

October 1, 1952

Memorandum

To: Administrator

From: S. A. Feitler, Nonmetallic Minerals Division

Subject: Resume - Docket No. DMEA-2575 - Mica
Conway Revis
Revis Prospect
Haywood County, North Carolina

Conclusions: Applicant has apparently uncovered an unworked pegmatite containing ruby mica. Results of a field examination were favorable.

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Referred to field 8/7/52.
Field report received 8/27/52
recommends 100 feet of drift at $40 per foot - $4,000.00.
U.S.B.M. and U.S.G.S. concur with field team.
Contract prepared 10/1/52.

SAFeitler:gad
Copy to: Mr. Houk

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

SAF

September 3, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2575, Mica, Grassy Knob,
Haywood County, N. C.

I concur in the field team's recommendation for an exploration program in the amount of $4,000.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

Memorandum August 27, 1952

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA 2575 (Mica).

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

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

Applicant: Conway Revis

Name of property: Grassy Knob (Revis Prospect) Mine

Location of property: Haywood County, North Carolina

Date of field team report: August 19, 1952

Authorship of field team report: A. L. Peyton and K. H. Teague

Field team's recommendation: A loan of $4,000 be granted for a 100 foot drift along the pegmatite.

Comments: None

Action suggested: Follow field team's recommendation.

Paul L. Weis

Paul L. Weis

SD

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

Room 1, Post Office Building
Knoxville, Tennessee

August 20, 1952

Memorandum

To: Operating Committee, DMEA, Washington

From: Field Team, DMEA, Region 7. Knoxville, Tenn.

Subject: Field Examination Report on DMEA-2575, GRASSY KNOB Mine (mica) Conway Revis, Applicant. Haywood County, N.C.

Attached are original and three copies of the above subject report with six extra copies of the maps. Also we are returning Review of Application.

The Field Team concurs in the recommendation of this application.

Wm. A. Beck

Wm. A. Beck, Acting Executive Officer
DMEA Field Team, Region 7

Kefton H. Teague

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

AUG 22 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2575, GRASSY KNOB (REVIS PROSPECT)(Mica)

Conway Revis - Applicant
c/o Mr. James H. Howell
P. O. Box 24
Waynesville, Haywood County, N.C.

By

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

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

August 19, 1952

Reviewed by
DMEA OPERATING COMMITTEE
8-27-52
(date)

Report of Field Examination on
DMEA-2575, GRASSY KNOB (REVIS PROSPECT)(Mica)

Conway Revis - Applicant
c/o Mr. James H. Howell
P. O. Box 24
Waynesville, Haywood County, N.C.

Recent work by the applicant at this place had exposed a pegmatite 4 to 5 feet thick, striking 75° northeast and dipping vertically. Mica exposed in the pegmatite is ruby colored, hard, clear, and generally splits well. Some of the books are bent and show "A" structure. A few of the specimens examined has a "lock-spot." The pegmatite appears to contain sufficient mica of strategic grade to justify exploration. It is recommended that a 100-foot drift on the pegmatite be driven from a new open cut to the southwest.

This property was examined August 14, 1952, and the Field Team was accompanied in the examination by the applicant, Mr. Revis. Six hours were spent on the examination.

The prospect is located along the north side of Grassy Knob, mid-way between Grassy Knob and Flowers Gap. It is approximately 1 mile due south of Shining Rock, and it is approximately 26 miles by road southeast of Waynesville. It is accessible by 7.3 miles of Fire Service road from the gravel surface road up the west fork of Pigeon River Road, both of which can be used at all seasons of the year. The applicant has had considerable experience mining mica and appears to be competent.

The prospect is on Government land, and the applicant has a lease with the Bureau of Land Management, the boundaries of which are such that sufficient area is covered to permit systematic mining.

Since the application was filed, the applicant has constructed an access road to the prospect and built a suitable camp, and suitable storage facilities, so that this phase of the work has already been completed. At the prospect itself, an open cut approximately 25 feet long has been driven to the south to intersect the pegmatite. At the point where the open cut exposes the pegmatite, it strikes N. 75° E. has vertical dip and is 4 to 5 feet thick. The pegmatite is unzoned. It is composed of soda feldspar, white granular quartz, muscovite and biotite mica. It appears that most of the mica occurs along the southeastern wall of the pegmatite. The pegmatite is enclosed in a salt- and pepper-colored biotite gneiss, which is generally conformable in strike and dips with the pegmatite.

Both muscovite and biotite mica occurs, however, rarely is there intergrowths between the two. Books of mica up to 6" across which are hard, clear, and light ruby colored have been obtained from the recent work. The chief defect of the mica is a tendency for some of the books to be slightly bent.

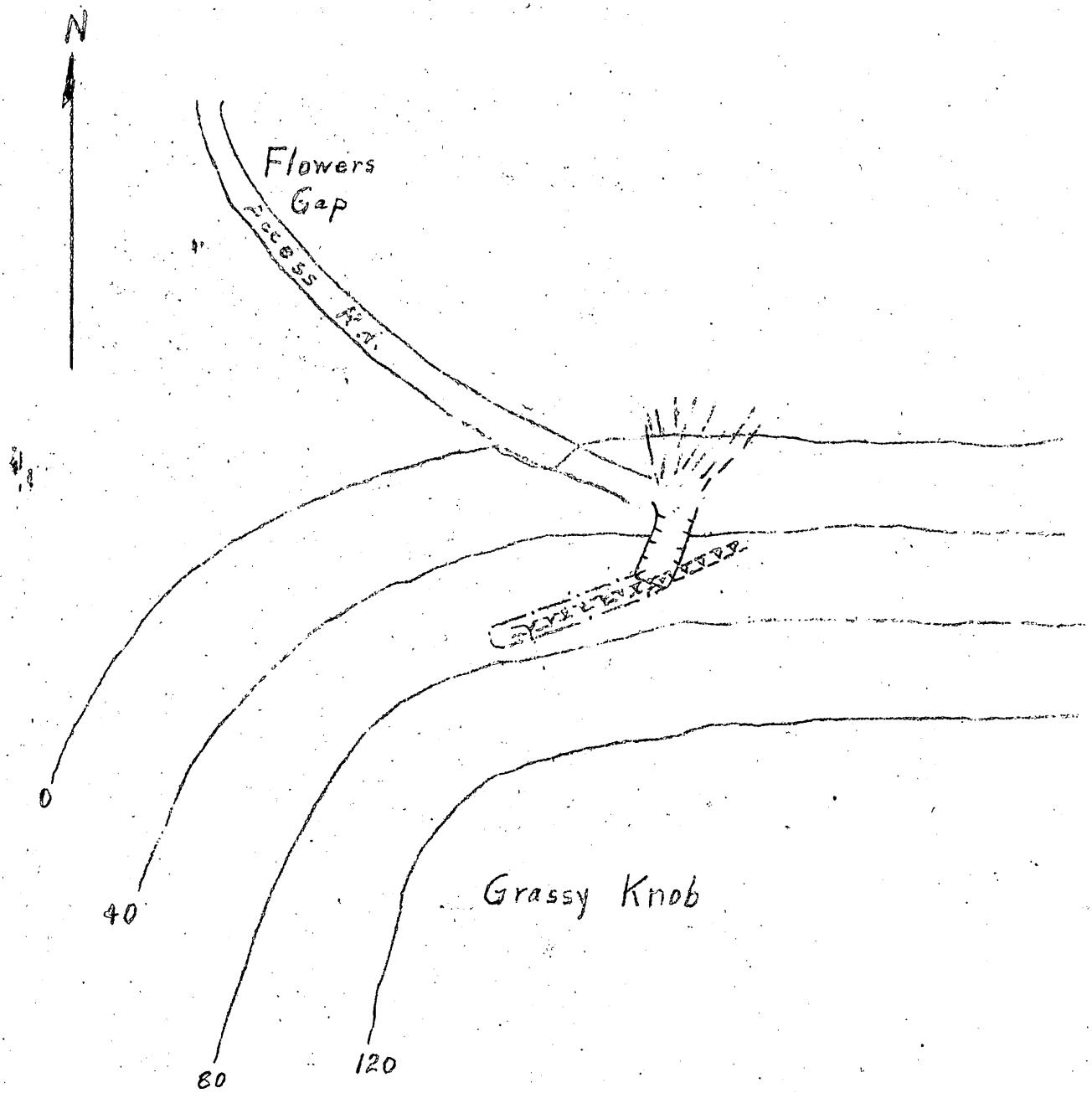
It is recommended that a drift be driven from the new open cut southwest along the pegmatite for a distance of approximately 100 feet. This drift should be approximately 5 x 7 in cross section. Estimated cost of project:

Driving 100 feet of 5 x 7 foot drift in pegmatite @ $40/foot - - - - - - - - -	$4,000
Estimated time to complete project, 50 shifts	

August 14, 1952

A. L. Beyton, USBM

K. H. Teague, USGS



Sketch of
GRASSY KNOB MINE
Haywood Co., N.C.
Scale: 1" = 100'

Open Cut
Proposed Drift

DMEA-2575

FILE COPY
SURNAME:

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

600

AUG 7 1952

Feitler

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

Subject: Docket No. DMEA-2575 - Mica
Davis Prospect
Haywood County, North Carolina

Dear Mr. Lawrence:

Reference is made to the subject application for exploration assistance on a mica prospect in the Pisgah Cherokee National Forest in your Region.

A field examination of this property is needed to determine whether exploration is warranted. Specimens of mica submitted by the applicant have been qualified as ruby. It appears that some of the items of cost included in the application may not be applicable for an exploration program. If the property has merit, a suitable exploration program should be submitted with the field report.

We enclose copies of memoranda from the Geological Survey and the Bureau of Mines as well as a plat of the lease area drawn from the description in the lease. The latter may be useful to you in establishing the relationship between the exploration area and the lease boundaries.

Sincerely yours,

8/7

(signed) FRANK E. JOHNSON

(GHB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

J. H. Hodges

Member, Bureau of Mines (GHB)

A. M. Lemmon

Member, Geological Survey (GHB)

SAFeitler:gad 8/4/52

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

Enclosures 3

FILE COPY
SURNAME:

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

S Feitler
Houk
H Johnson

AUG 7 1952

Mr. James H. Howell
Attorney-at-Law
P. O. Box 24
Waynesville, North Carolina

Subject: Docket No. DMEA-2575 - Mica
Revis Prospect
Haywood County, North Carolina

Dear Mr. Howell:

Reference is made to the subject application which is being referred to Mr. Robert A. Lawrence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for further information.

Sincerely yours,

C. O. Mittendorf (for) 8/7/52

Acting Administrator
Defense Minerals Exploration
Administration

SAFeitler:gad 8/4/52

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

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

SAF

June 20, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2575, Conway Revis
Waynesvillw, North Carolina

On the basis of the geographic location of the property in proximity of productive ruby mica mines and the applicant's description of existing geologic features and exposures, a field team investigation is recommended.

W. F. Dietrich

W. F. Dietrich

JUN 20 1952

IN REPLY REFER TO:

G-MD-PLW

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

June 11, 1952

Memorandum

REVIEW OF APPLICATION DMEA-2575 (Mica).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Conway Revis.
Name of property: None.
Location of property: Between Little East Fork and Big East Fork of Pigeon River, Haywood County, North Carolina.
Estimated cost of project: $10,020.00.
Summary of applicant's proposal:

(1) Bulldozing 3,000 feet of access road.
(2) Construction of compressor house, storage shed, bunk house, and powder bunker.
(3) Drive tunnel of sufficient length to prospect pegmatite.

Sources of information on applicant's property: DMPA application 1715.

Comments: The applicant appears to have outlined a rather ambitious project, considering that no mica resources are yet known in this property. It might be possible to explore it satisfactorily without the construction of a semipermanent camp. Applicant applied for a DMPA loan on 7/19/51, but application was denied. DMEA application was recommended at that time.

RECOMMENDATION:

(1) The applicant should be requested to supply a sample of the strategic grade mica he expects to produce.
(2) If the mica is of proper grade and quality, the property should be examined by the field team.

Paul L. Weis

Paul L. Weis

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 12 1952

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Y

GENERAL SERVICES ADMINISTRATION

Spruce Pine, N. C.
July 18, 1952

Mr. Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Subject: Docket No. DMEA-2410 - Mica
" " DMEA-2533 - "
" " DMEA-2557 - "
" " DMEA-2561 - "
" " DMEA-2575 - "

Dear Mr. Houk:

Replying to your inquiry of July 17, 1952, beg to advise that sample number 2, of Everett L. and R. W. Poston, DMEA-2561, is ruby mica, and the sample shows a few black dots that are not acceptable on this program, however, this mine may produce mica large enough to eliminate these spots in trimming, thereby making it acceptable on this Program.

The samples under DMEA-2533 Fred Wilson and J. Van Werry, are ruby mica, and if trimmed properly is saleable on this Program.

The sample from Anglin and Elkins mine, DMEA-2557, we find to be ruby mica, and if trimmed properly, would be acceptable on our Program.

The samples given by Beck and Lawrence, under DMEA-2410, we find to be ruby mica, and if large enough and properly trimmed, would be acceptable on this program.

The sample given by Ortha Roper, under DMEA-2410, number 2 sample, we find to be ruby mica, and if properly trimmed, would be acceptable under this Program. The other sample enclosed under DMEA-2410, we find to be ruby mica, but has too many reeves to be acceptable under this Program.

Sample DMEA-2571, Conway Revis, we find to be ruby mica, but has considerable waves and buckles. If this mine produced large size mica, it might be that it would produce, by careful trimming, mica that would be acceptable on this Program.

I am returning, under separate cover, samples above referred to.

With best regards from the writer, I am

Very truly yours,

W. S. Flynt (sgd)
Superintendent
Spruce Pine Mica Depot

FILE COPY
SURNAME:

Houk
FEJohnson

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

C O P Y

Mr. Walter S. Flynt, Manager
General Services Administration Depot
Box 846
Spruce Pine, North Carolina

Subject: Docket No. DMEA-2410 - Mica
" DMEA-2533 - "
" " DMEA-2557 - "
" " DMEA-2561 - "
" " DMEA-2575 - "

Dear Mr. Flynt:

Transmitted herewith are five samples of mica for evaluation as to the probability of their acceptance for purchase by your agency. These samples are submitted in accordance with an agreement with Mr. W. M. B. Freeman of your Washington Office. We would appreciate your sending a copy of the evaluation to Mr. Robert A. Laurence, Executive Officer, DMEA, Field Team, Region VII, Room 13, Post Office Building, Knoxville 01, Tennessee.

The following samples are submitted:

DMEA-2410 - Zeb Angel, Ortha Roper Mine
DMEA-2533 - Fred Wilson and John VanFerry
DMEA-2557 - K. L. Anglin and J. K. Elkins, Hawkins Mine
DMEA-2561 - H. L. Poston and H. W. Poston
DMEA-2575 - Conway Nevis

Sincerely yours,

S I G N E D 7/17/52

Lawrence G. Houk, Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

Enclosures - 5

LGHouk:mp 7/16/52
cc: Docket File
Adm. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk
Field Team, Region VII

P.S. An addressed envelope is enclosed for return of the samples.

EXPLORATION

Subject: DMEA-2575
Re: Exploration Loan
June 10, 1952

Mr. James H. Howell, Jr.
Waynesville
North Carolina

My dear Mr. Howell:

This will acknowledge receipt of your application dated June 6, 1952, for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2575 and referred to the Non-Metallics Division.

Kindly refer to DMEA-2575 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Administrative Officer

7862

DMEA-2575

JAMES H. HOWELL, JR.
ATTORNEY-AT-LAW
P. O. BOX 24
WAYNESVILLE, N. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

June 6, 1952

Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Re: DMA - No. 1715 - Conway Revis, Hazelwood, North Carolina

Gentlemen:

A letter has been received from the Reconstruction Finance Corporation declining a production loan previously applied for by Mr. Revis for the reason that a proven reserve of mica has not been demonstrated. This would appear to be in line with the point of view that exploration and proving a mica mine go hand in hand with production in the light of the nature of mica deposits. It would therefore appear that this application should have been in the first instance for an exploration loan rather than a production loan.

Accordingly I am submitting an application for an exploration loan on this project. I have included in the application as much information as possible at the moment. Further information may be had by reference to the original Form MF-100 filed under docket No. 1715. From the point of view of a prospector for mica, this prospect, so I am informed, bears a high probability of being a producer of strategic mica. In Mr. Revis' behalf it is felt that a view of the premises by a Government mineralogist specialized in mica would be of great help, and I wish to request that the field mineralogist of Knoxville, Tennessee, or at Asheville, North Carolina, be sent to this location at the earliest possible moment.

Correspondence with Mr. Revis regarding this application should be forwarded to me in view of the fact that Mr. Revis lives a mile off of the nearest rural route.

Your kind and prompt attention to this matter will be appreciated.

Very truly yours,

James H. Howell, Jr.

James H. Howell, Jr.

JHH:LL

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2575
Metal or Mineral
Date Received 6-9-52
Amount $
Participation (Government %)

Name and address of applicant

Conway Revis
c/o James H. Howell, Jr., Attorney
Waynesville, North Carolina

Date June 6, 1952

If you have already filed MF-100, give date filed June 18, 1951, type of assistance requested ,

DMA Docket Number (if available) #1715

INSTRUCTIONS

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By Conway Davis (Signature of authorized official)
(Date)	(Title)

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

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

Conway Revis
c/o James H. Howell, Jr., Attorney
Waynesville, North Carolina

June 6, 1952

MF-100 - Filed June 16, 1951

Production Loan

1. (a) and (b) For description of the real property that will be involved in exploration project please see description attached as part of the lease, copies of which are here attached, from the Bureau of Land Management for an area of approximately 15 acres located on the dividing ridge between the Big East Fork and Little East Fork prongs of the Pigeon River in Haywood County, North Carolina. For your assistance and locations geographically and for some idea of the terrain features there is also attached an overlay taken from Department of Interior the geographical survey maps, edition of 1946, North Carolina Shining Rock Quadrangle (184-SE).

(c) Legal description is the same as that contained in description in attached lease.

2. (a) Clear Ruby mica, sheet or pattern of strategic quality, scrap mica, feldspar and related minerals.

(b) For description of geologic terrain features of property see attached sketch from Department of Interior geological survey maps herein above referred to. Previous operation of this property prior to the date of the present lease consisted of prospectors probing in very small openings. Old mining shaft present on property; however, applicant proposes a new opening some distance from old shaft. Specimens of surface mica are hereto attached. Grade and quality of mica and size of blocks has been improving as applicant has gone into ground. The nature of the rock is of granite type with vein of feldspar and quartz with mica.

Vein appears to be 5 or 6 ft. in width and is 4 ft. thick at surface, depth unknown as it tends to go straight down. Applicant has cleaned off surface of ground and made a cut some 30 ft. in depth and has driven a 10 ft. tunnel in the last few weeks, still following the vein which appears to be improving as applicant's present prospecting efforts continue. This mine is located approximately 2 miles from an old Arrowood mine on Little East Fork of Pigeon River and is in the same range of mountainw as Arrowood and also the old Stringfield mines. It is also approximately 9 miles distance South of the Big Ridge Mine in Haywood County, North Carolina, and is in the same general area of both the Big Ridge Mine of Haywood County, North Carolina, and the Grassy Ridge Mine in Jackson County, North Carolina. Mine is on a ridge line parallel to ridge lines of both Grassy Ridge and Big Ridge Mine. Sketch showing geographic relationships of mines is attached.

3. (a) The proposed work will consist of bulldozer road work and surface work near mine opening (about 3000 ft. of road work needs to be done to bring present road into good condition for heavy trucks); construction of compressor house and storage shed for tools and the storage of mica; construction of a powder bunker, and the construction of a bunk-house furnishing suitable sleeping and eating quarters for five men. After such preparatory work is completed applicant proposes to drive tunnel, and prospect the vein of quartz and feldspar as it; now appears. It may be necessary for a new tunnel to be opened in another place to properly probe the vein. The total cost of the project will be approximately $9820.00.

(b) One month will be required for completion of preparation and four months to complete the prosepcting of the vein. Applicant feels sure that mica in commercial quamtities will be found in less time, but requests four months in order to allow sufficient time to properly explore this mine.

4. Rough sketch showing plan of present and proposed mine workings as related to veins and terrain is hereto attached.

5. There are no existing facilities, buildings or installations other than an old and shallow mine shaft.

6. It is estimated that the cost of a compressor, house, storage shed, powder bunker and rough camp house for housing five men can be constructed for approximately $1500.00. Road work will cost approximately $700.00.

7. (a) Rented Equipment Necessary:

Compressor, Jack hammer, hose, and Accessories, at $300.00 per month	$1200.00
1½ ton capacity truck at $100.00 per month	400.00
	$1600.00

(b) Purchased:

Hand tools	200.00
Hand car and rails	800.00
Drill steel	500.00
Water pump and pipe	300.00
	$1800.00

(c) Furnished by applicant:

None

8. Labor:

1 miner at $1.50 per hour	$1440.00
2 muckers at $1.00 per hour	960.00
1 carpenters helper at $1.00 per hr.-2wks.	80.00
	$2480.00

Applicant will actively engage in operation as foreman and head miner, and supervise alloperations. Applicant believes that with self and three men he can complete proposed exploration. A;;licant is experienced mica miner with six years experience in field.

9. Other costs:

Dynamite	$ 500.00
Fuel for compressor and truck at $8.00 per day	1440.00
	$1940.00

10. (a) Applicant will furnish his own personal labor as general manager of operation and head miner, a reasonable value for which would be $15.00 per day or equivalent to - $1800.00

11. None

Summary of Estimated Costs

Bulldozer and road work	$ 700.00
Compressor house, storage shed, Camp house and powder bunker	1500.00
Rental of equipment	1600.00
Purchased equipment	1800.00
Labor	2480.00
Materials and other costs	1940.00
	$ 10,020.00

C O P Y

Form 4-1100
(May, 1949)

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

Serial No. BLM-A 024553

North Carolina
(State)

MICA
MINERAL LEASE - ACQUIRED LANDS

Pisgah-Croatan National Forest

This mineral lease entered into in triplicate this 1st day of April, 1952, by and between the United States of America, the lessor, through the Bureau of Land Management, and Conway Revis, the lessee, of Waynesville, N. C., pursuant to Section 402 of the President's Reorganization Plan No. 3 of 1946, and regulations thereunder (43 CFR 200.31 et seq.); witnesseth:

SECTION 1. Rights of Lessee. In consideration of the rents and royalties to be paid and conditions and covenants to be observed as herein set forth the lessor grants to the lessee, subject to all privileges and uses heretofore duly authorized and prior valid claims, for a period of 10 years from the date hereof, the exclusive right to mine, remove and dispose of all the mica and associated minerals in, upon, or under the following-described tracts

See attached sheet for description of land

containing 15 acres, more or less, together with the right to construct and maintain thereupon such structures and other facilities as may be necessary for the mining, preparation and removal of said minerals.

SECTION 2. In consideration of the foregoing, the lessee agrees:

(a) Production. To begin production within 24 months and to continue production thereafter unless operations are interrupted by strikes, the elements or casualties not attributable to the lessee. The lessor may grant reasonable extensions of time for the commencement of production, and may authorize suspensions of production for reasonable periods of time in the interest of conservation or when the lease cannot be successfully operated at a profit, or for other reasons when such action does not adversely affect the interest of the United States.

(b) Rental. To pay to the lessor annually in advance, beginning with the date of this lease, rental of $ 2.00 for each acre or fraction thereof for each lease year until production commences, the rantal payment for the year in which production commences to be credited on royalties that accrue during that lease year.

(c) Royalty. To pay the lessor within 30 days after the end of each period prescribed in subsection (f) of this section a royalty of 8 per cent of the gross value of the minerals mined hereunder at the point of shipment to market, such point of shipment to be the mine or preparation plant, as the case may be. The lessee agrees that the Secretary of the Interior, for the purpose of determining the royalties due hereunder, may establish reasonable minimum values for the minerals mined, due consideration being given to the highest price paid for a part or a majority of the production of minerals of like quality produced from the same general area, the price received by the lessee, posted prices, and other relevant matters.

(d) Minimum Royalty. If there is no production or if royalties under subsection (c) of this section total less then $ 30.00 in any lease year, to pay the lessor a sum equal tothe difference between such royalties and $ 30.00 , such minimum royalty obligation to become effective the first lease year commencing after production begins, and to be payable within 30 days following the end of the lease year for which due. Lessor may, in its discretion, suspend the minimum royalty requirement when production is interrupted or suspended as provided in subsection (a).

(e) Bond. To furnish and maintain a bond in the sum of $1,000.00 conditioned upon compliance with the terms and conditions of this lease.

(f) Statement. To furnish for each month or such other period as may be designated by the District Mining Supervisor of the Geological Survey1/statements in detail, in such form as may be

1/ Rm. 3227 General Service Administration Bldg., Washington 25, D. C.

prescribed by him, 1/of the amount and value of output from the leasehold during such period for use in determining royalties, such statements to be furnished within 30 days from the close of the month or period so designated. Falsification of such statements shall be grounds for cancellation of the lease. 2/

(g) Inspection. To permit at all reasonable times: (1) inspection by any duly authorized officer of the supervising agencies, of the leased premises and all surface and underground improvements, works, machinery, equipment, and all books and records pertaining to operations and surveys or investigations under this lease; and (2) the lessor to make copies of and extracts from any or all books and records pertaining to operations under this lease.

(h) Maps-Reports. To furnish in duplicate to the District Mining Supervisor, at such times as he may require, a plat in the manner and form prescribed by him, showing prospecting and development work and improvements on the lease land and other related information, with a report as to all buildings, structures, and other works or equipment, situated elsewhere and owned or operated in conjunction with, or as a part of the operations conducted hereunder.

(i) Operations. To conduct operations in compliance with all Federal and State laws and the operating regulations of the Department of the Interior (30 CFR, Chap. II, Part 231), which are made a part hereof, and to exercise reasonable diligence, skill and care in the operation of the property, and to carry on all operations in accordance with approved methods and practices, having due regard for the prevention of damage to mineral deposits, water horizons and property, injury to life and health, and economic waste.

(j) Taxes. To pay when due all taxes lawfully assessed and levied under the laws of the State or the United States upon improvements, output of mines, and other rights, property and assets of the lessee.

(k) Deliver Premises. To deliver up to the lessor in good order and condition and subject to the provisions of Section 9 hereof on the termination of this lease as a result of forfeiture thereof the lands covered thereby, including all underground timbering and such other supports and structures as are necessary for the preservation of the mine.

(l) Assignment. Not to assign this lease, or any interest therein, whether by direct assignment, operating agreement, working or royalty interest, or otherwise, nor sublet any portion of the leased premises, except with the approval in writing of the lessor. All such assignments or subleases must be submitted in triplicate within 90 days from the date of execution and must contain all of the terms and conditions agreed upon by the parties thereto. No overriding royalties or payments out of production shall be created which would exceed 1/2 the royalties payable under this lease to the lessor. An assignment of all or part of the record title to a portion of the acreage in the lease shall separate the lease into separage leaseholds and the terms hereof shall apply separately to the segregated portions. Advance annual rental payments if previously terminated shall be resumed as to an undeveloped segregated portion on the next anniversary date of the lease, the minimum royalty payment herein specified shall apply separately to the segregated portions and the time allowed within which to commence operations on an undeveloped segregated portion shall be such reasonable period as shall be prescribed by the lessor at the time the assignment is approved.

(m) Non-discrimination. Not to discriminate against any employee or applicant for employment because of race, creed, color, or national origin, and to require an identical provision to ne included in all subcontracts.

(n) Payments. To make all payments to the lessor under this section as directed, such payments to be made to the order of the Treasurer of the United States.

SECTION 3. In further consideration of the foregoing, the lessee also agrees:

(a) Protection of Property. To conduct all operations authorized by this lease with due regard for good land management; not to cut or destroy timber without first obtaining permission from the authorized representative of the Secretary of Agriculture, and to pay for all such timber cut or destroyed at rates prescribed by such representative; to avoid unnecessary damage to improvements, timber, crops, or other cover; whenever practicable, to control soil erosion resulting from the operation; to prevent pollution of soil and water resources, unless otherwise authorized by the representative of the Secretary of Agriculture, not to carry on operations, make excavations, construct tunnels, drill, or otherwise disturb the surface of the leased land within 200 feet of any building standing on the leased land; whenever required in writing by the authorized representative of the Secretary of Agriculture, to fence all sump holes and other excavations made by lessee.

(b) Forest, Brush and Grass Fire Precautions. To do all in his power to prevent and suppress forest, brush and grass fires on the leased land and in its vicinity, and to require his employees, contractors, subcontractors, and employees of contractors or subcontractors to do likewise. Unless prevented by circumstances over which he has no control, the lessee shall place his employees, contractors, subcontractors, and employees of contractors and subcontractors employed on the leased land at the disposal of any authorized officer of the Department of Agriculture.

1/All form herein required are subject to approval by the Bureau of the Budget in accordance with the Federal Reports Act of 1942.

2/18 U.S.C. sec. 1001 makes it a crime for any person knowingly and wilfully to submit or cause to be submitted to any agency of the United States any false or fraudulent statement as to any matter within its jurisdiction.

A quadrangle containing 15 acres, more or less, located on the dividing ridge between Big East Fork and Little East Fork in Haywood County, North Carolina. All distances are recorded in direct surface measure.

Beginning at the intersection of Beech Gap road and Shining Rock road, proceed on the Shining Rock Road a distance of 7.0 miles to a blazed Spruce stump on the upper bank of the road. At the base of the Spruce stump between the stump and the road bank a 2½" metal pipe is driven in the ground. A random line to a point designated as "C" is as follows:

Beginning at the metal pipe N 66 deg. 00' E, 2.00 chains; Thence S 76 deg. 00' E, 1.46 chains; thence N 64 deg. 00' E, 2.00 chains to a stake designated as Point "C" that is referenced as follows:

24" DBH Spruce snag, S 3 deg. 30' W, .55 chain; center of mine shaft, N 29 deg. 30' E, .97 chain.

Thence a random line from Point "C" to SE corner of area as follows: Beginning at Point "C" S 4 deg. 00' W, 17.42 chains to a 6" DBH Balsam with 3 hacks, thence S 21 deg. 00' E, .77 chain; thence S 33 deg. 00' E, 1.57 chains to a 10" DBH Spruce snag with 3 hacks; thence N 89 deg. 00' E, .86 chain to a 8" DBH Red Spruce; thence N 80 deg. 00' E, .49 chain; thence S 50 00' E, 1.09 chains; thence S 80 deg. 00' E, 3.05 chains to a 12" DBH Balsam with 3 hacks; thence S 72 deg. 30' E, 1.22 chains; thence S 38 deg. 00' E, 1.19 chains to center of mine shaft; thence S 16 deg. 30' E, .99 chain to 6" DBH Balsam with 3 hacks that is the SE corner. The compass bearing on the NE corner, predetermined to be located at the end of an abandoned log road, is N 1 deg. 00' E from the SE corner. Beginning at SE corner N 89 deg. 00' W, 8.66 chains to rock outcrop in which is chiseled "X" to designate SW corner. From SW corner, the predetermined compass bearing to NW corner is N 1 deg. 00' W. Return to stake designated as Point "C", thence N 29 deg. 30' E, .97 chain to center of mine shaft; thence N 53 deg. 00' E 1.20 chains to 8" DBH Balsam snag; thence N 1 deg. 00' E, 9.07 chains to a point of intersection with compass bearing N 89 deg. 00' W from NE corner in the abandoned log road. From Point of intersection N 89 deg. 00' W 3.20 chains to a stake beside a 16" stump; this stake being designated as the NW corner. Distance between Ne and NW corners is 9.10 chains.

for the purpose of fighting forest, brush, or grass fires, with the understanding that payment for such services shall be made at rates to be determined by the authorized representative of the Secretary of Agriculture, which rates shall not be less than the current rates of pay prevailing in the vicinity for services of a similar character; except that if the lessee, his employees, contractors, subcontractors, or employees of contractors or subcontractors caused or could have prevented the origin or spread of said fire or fires, no payment shall be made for services so rendered.

During periods of serious fire danger to forest, brush, or grass, as may be specified by the authorized representative of the Secretary of Agriculture, the lessee shall prohibit smoking and the building of camp and lunch fires by his employees, contractors, subcontractors, and employee of contractors or subcontractors, within the leased area except at established camps, and shall enforce this prohibition by all means within his power. However, the authorized representative of the Secretary of Agriculture may designate safe places where, after all inflammable material has been cleared away, camp fires may be built for the purpose of heating lunches and where, at the option of the lessee, smoking may be permitted.

The lessee shall not burn rubbish, trash, or other inflammable material except with the consent of the authorized representative of the Secretary of Agriculture and shall not use explosives in wuch manner as to scatter inflammable materials on the surface of the land during the forest, brush or grass fire season, except as authorized to do so or on areas approved by such representative.

The lessee shall build or construct such fire lines or do such clearing on the leased land as the authorized representative of the Secretary of Agriculture decides is necessary for forest, brush, and grass fire prevention and shall maintain such fire tools at his headquarters on the leased land as are deemed necessary by such representative.

(c) Damage to Property. To pay the lessor or its tenant, as the case may be, for any and all damage to or destruction of property caused by the lessee's operations hereunder; to save and hold the lessor or its tenant harmless from all damage or claims for damage to persons or propert resulting from the lessee's operations under this lease; and where the surface of the leased land is owned by other than the lessor, to paysuch owner, or his tenant, as the case may be, for damage or injury to livestock, crops, trees, pipe lines, buildings, and other improvements on the leased land.

(d) Restoration of Surface of Land. Upon any partial or total relinquishment, cancellations or expiration of this lease, as to that part of the leased land as to which the lessee's rights have terminated and to the extent deemed necessary by the authorized representative of the Secretary of Agriculture, to fill all sump holes, ditches and other excavations, remove or cover all debris, and, so far as reasonably possible, restore the surface of the leased land to its former condition, including the removal of structures as and if required.

(e) Department of Agriculture Regulations. To comply with all the rules and regulations of the Secretary of Agriculture governing the national forests or other lands under his jurisdiction which are embraced in this lease.

(f) Special Stipulations.

X

X

X

X

X

(g) Appropriate Agency Official. To address all matters relating to this section to Forest Supervisor, Pisgah-Croatan National Forest Asheville, N. C. who is the authorized representative of the Secretary of Agriculture, or to such other representative as may, from time to time, be designated provided that such designation shall be in writing and be delivered to the lessee or his agent as provided by Section 4 hereof.

SECTION 4. Lessee-Agent. Prior to the beginning of operations the lessee shall appoint and maintain at all times during the term of this lease a local agent upon whom may be served written orders or notices respecting matters contained in this lease, and shall inform the authorized representative of the Secretary of Agriculture, and the District Mining Supervisor of the United States Geological Survey, in writing, of the name and address of such agent. If a substitute agent is appointed, the lessee shall immediately so inform the said representatives.

SECTION 5. Renewal of Lease. If, upon the expiration of this lease, the issuance for an ensuing period of a lease of similar character is determined to be in the public interest, and all of the terms hereof have been satisfactorily complied with, and the lessee is then qualified, he shall be accorded a preference in the issuance of said ensuing lease upon such reasonable terms and considerations as may be prescribed by the Secretary of the Interior, unless otherwise provided by law. The exercise of such preference right shall be in accordance with regulations prescribed by the Secretary of the Interior.

SECTION 6. The lessor expressly reserves:

(a) Rights Reserved. The right to permit for joint or several use easements or rights-of-way, including easements in tunnels upon, through, or in the land leased, occupied, or used as may be necessary or appropriate to the working of the same or other lands, and the preparation and shipment of the products thereof by or under authority of the Government, its lessees or permittees, and for other public purposes.

(b) Monopoly and Fair Prices. Full power and authority to promulgate and enforce all orders necessary to insure the sale of the production of the leased lands to the United States and to the public at reasonable prices, to protect the interest of the United States, to prevent monopoly, and to safeguard the public welfare.

(c) Fissionable materials. All fissionable source materials, together with the right, at any and all times, to enter upon the lands and prospect for, mine and remove such materials, pursuant to Executive Order No. 9908 (12 F. R. 8223).

(d) Waiver of Conditions. The right to waive any breach of the covenants and conditions contained herein, but any such waiver shall extend only to the particular breach so waived and shall not limit the rights of the lessor with respect to any future breach; nor shall the waiver of a particular cause of forfeiture prevent cancellation of this lease for any other cause, or for the same cause occurring at another time.

SECTION 7. It is mutually agreed.

(a) Strip Mining. That this lease does not authorize mining or removal of minerals by stripping or contour mining unless otherwise specifically authorized herein.

(b) Reduction or Smelting of Ores. That the reduction or smelting of ores on the leased land is expressly prohibited in the absence of an agreement between the lessee and the designated representative of the Secretary of Agriculture authorizing such use of the surface of the land and providing for the necessary protection of life and property. Such agreement shall contain all of the terms and conditions under which the reduction or smelting of ores may be carried on and any violation of that agreement shall be considered a violation of the terms of this lease for the purpose of Section 9.

(c) Uses and Disposition of Surface. That the leased land shall be subject at all times to any other lawful uses or sale by the United States, its lessees, permittees, licensees, and assigns; provided that such uses or sale shall not pfevent, obstruct, or unduly interfere with any privilege granted under this lease.

(d) Granting Leases for Other Minerals. That the granting of this lease will not preclude the issuance of other leases of the same land for the mining of other minerals with suitable stipulations as to joint operations, in order that full development of the mineral resources may be obtained.

SECTION 8. Relinquishment of Lease. Upon payment of all rentals, royalties and other debts due and payable to the lessor and upon payment of all wages or moneys due and payable to the workmen employed by the lessee, the lessee may, upon a satisfactory showing that the public interest will not be impaired, surrender all or any subdivision or subdivisions of the area included in the lease. In no case will the lease be terminated in whole or in part until and unless the lessee shall have made provision for the preservation of any mines and mineral deposits or productive works or permanent improvements on the lands covered thereby and complied with Section 3(d) hereof. A surrender must be by a relinquishment filed, in triplicate, with the Director, Bureau of Land Management. A relinquishment upon its approval shall take effect as of the date it is filed.

SECTION 9. Removal of Equipment, etc., on Termination of Lease. On termination of this lease, by surrender, forfeiture, or otherwise the lessee shall have the privilege at any time within a period of 90 days thereafter of removing from the premises all machinery, equipment, tools and materials, other than underground timbering placed by the lessee in or on the leased lands, which are not necessary for the preservation of the mine. Any materials, tools, appliances, machinery, structures and equipment, subject to removal as above provided, which are allowed to remain on the leased land shall become the property of the lessor on expiration of the 90-day period or such extension thereof as may be granted by the lessor, but the lessee shall remove any or all of such property when so directed by the lessor.

SECTION 10. Proceedings in case of default. If the lessee does not comply with the applicable regulations made a part hereof or the terms of this lease and such default continues for a period of 30 days after service of written notice thereof by the lessor, the lease may be canceled by the Director, Bureau of Land Management. However, if production has commenced on the

lease, it may be canceled only by appropriate proceedings in a court of competent jurisdiction but this provision does not apply to leases issued for a period of five years or less which may be canceled in the manner stated above. Furthermore, if the lessee fails to take prompt and necessary steps to prevent loss or damage to the mine, property, or premises, or danger to the employees, the lessor may enter on the premises and take such measures as may be deemed necessary to prevent such loss or damage or to correct the dangerous or unsafe condition of the mine or works thereof, which shall be at the expense of the lessee, but the lessee shall not be held responsible for delays or casualties occasioned by causes beyond the lessee's control.

SECTION 11. Heirs and successors-in-interest. It is further agreed that each obligation hereunder shall extend to and be binding upon, and every benefit hereof shall inure to, the heirs, executors, administrators, successors, or assigns of the respective parties hereto.

SECTION 12. Unlawful interests. It is also further agreed that no Member of, or Delegate to Congress, or Resident Commissioner, after his election or appointment, or either before or after he has qualified, and during his continuance in office, and that no officer, agent, or employee of the Department of the Interior or of the Department of Agriculture shall be admitted to any share or part of this lease, or derive any benefit that may arise therefrom, and the provisions of Section 3741 of the Revised Statutes, as amended, and 18 U.S.C. 431,432, and 433, relating to contracts, enter into and form a part of this lease so far as the same may be applicable

MAR. 19, 1952

THE UNITED STATES OF AMERICA

Date of Execution

By (Sgd.) William P

Assistant Director, Bureau of Land Management

(Sgd.) Conway Revis
Lessee

(Sgd.) James H. Howell, Jr.
Waynesville, N. C.

(The reporting requirements contained in this lease have been approved by the Bureau of the Budget in accordance with the Federal Reports Act of 1942. If this lease is executed by a corporation, it must bear the corporate seal.)

Samples - Surface Mica
DMA Docket #1715
Conway Revis

Samples of Mica

DMEA-2515

FROM: JAMES H. HOWELL JR.
BOX 24
WAYNESVILLE, NORTH CAROLINA

WAYNESVILLE N. C. JUN 6 1 PM 1952

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WAYNESVILLE N. C. JUN 6 1 PM 1952

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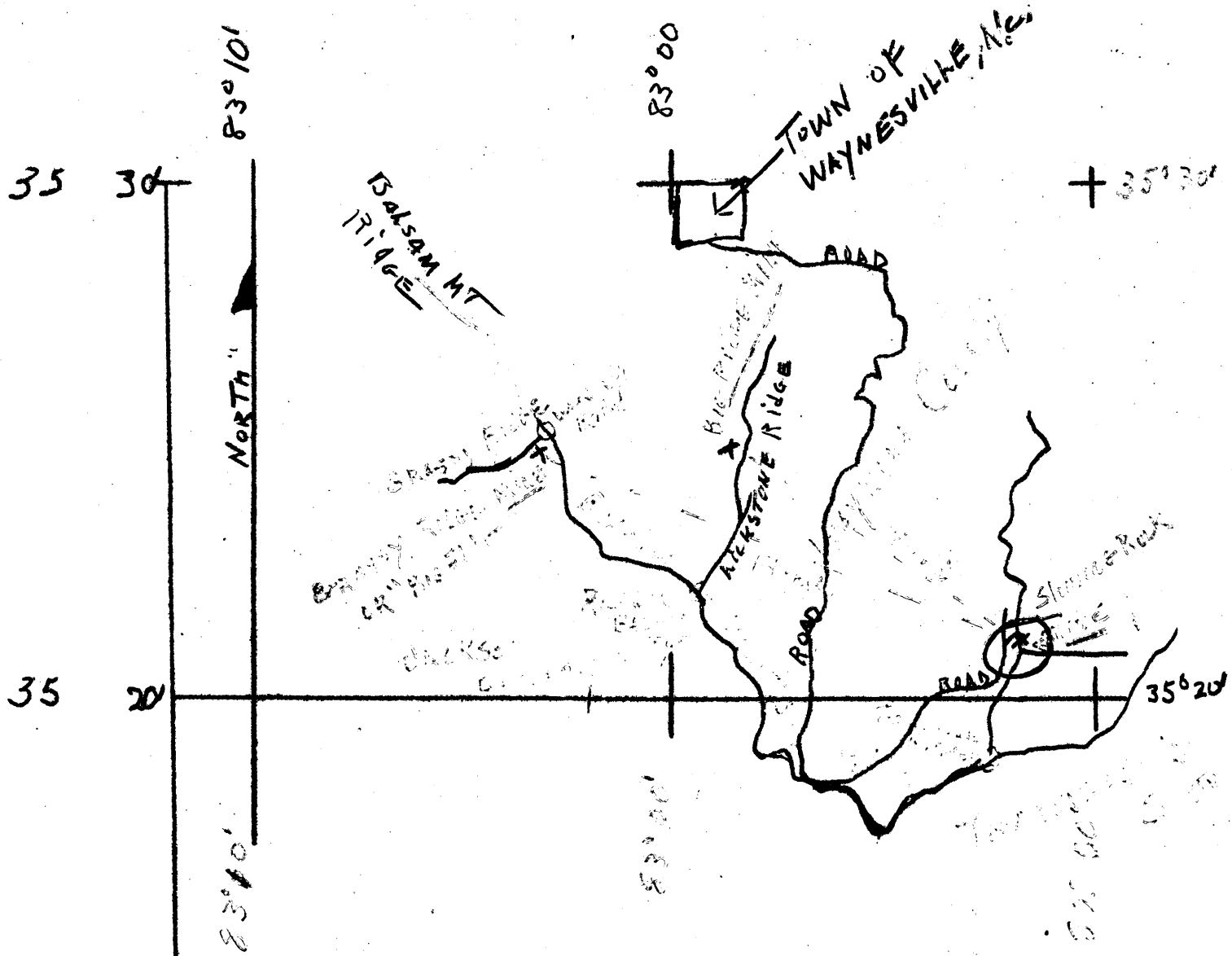
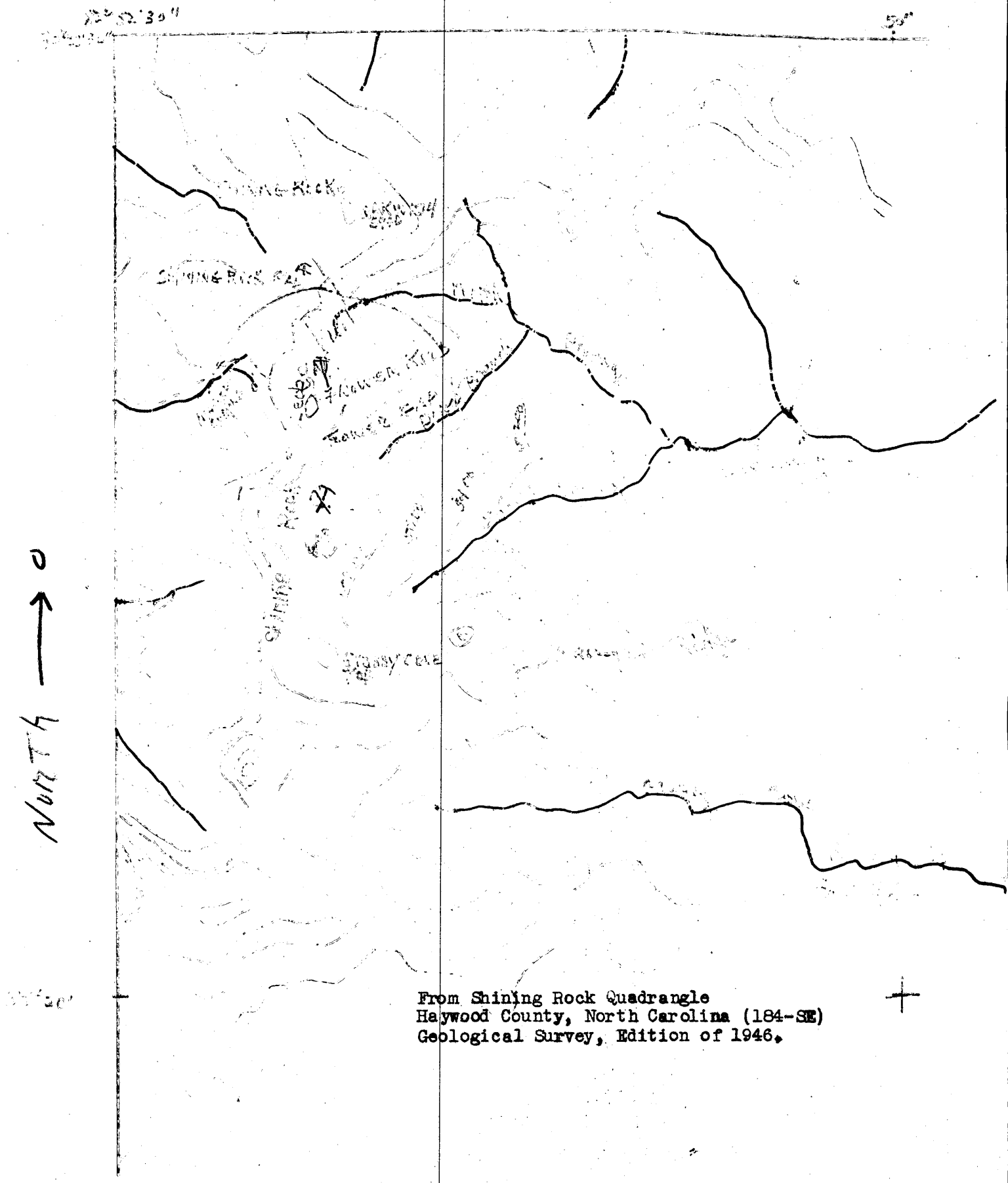
DEFENSE MINERALS ADMINISTRATION
DEPARTMENT OF THE INTERIOR
WASHINGTON 25, D. C.

ATTENTION OF MINERALS EXPLORATION DIVISION

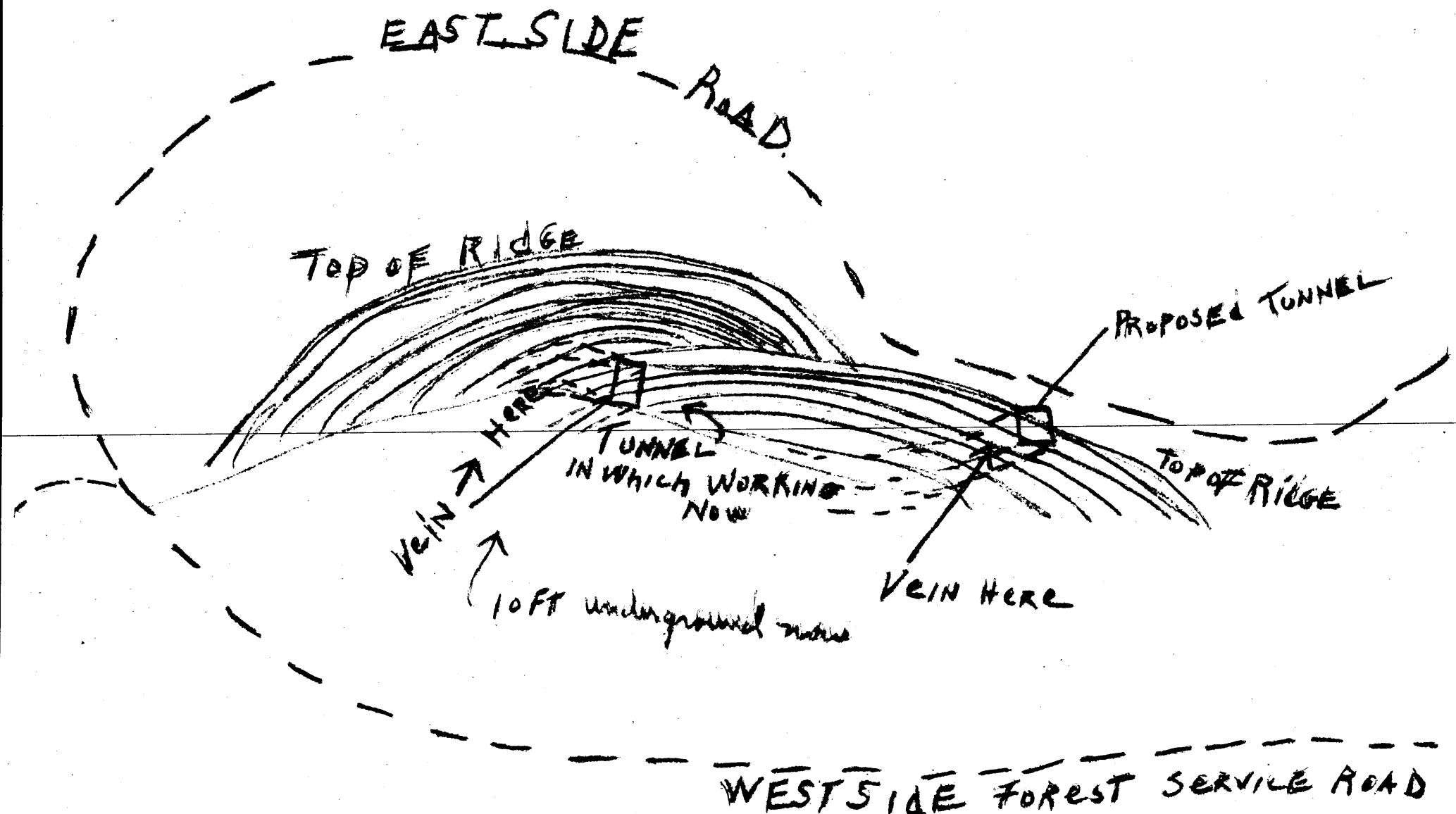
KAROLTON KLASP—10 X 12
"MADE IN U. S. A."
THE AMERICAN ENVELOPE CO.
WEST CARROLLTON, OHIO

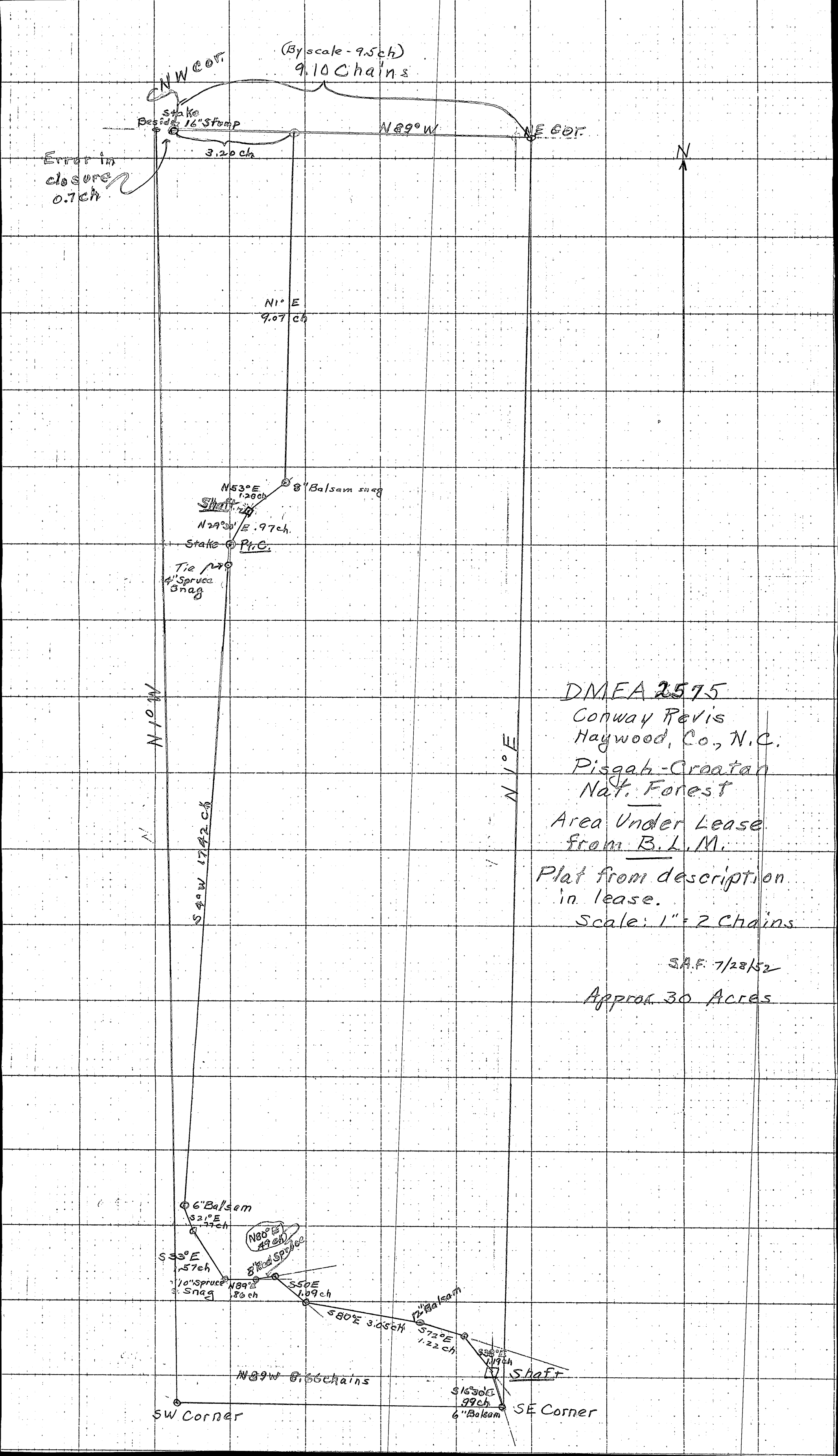


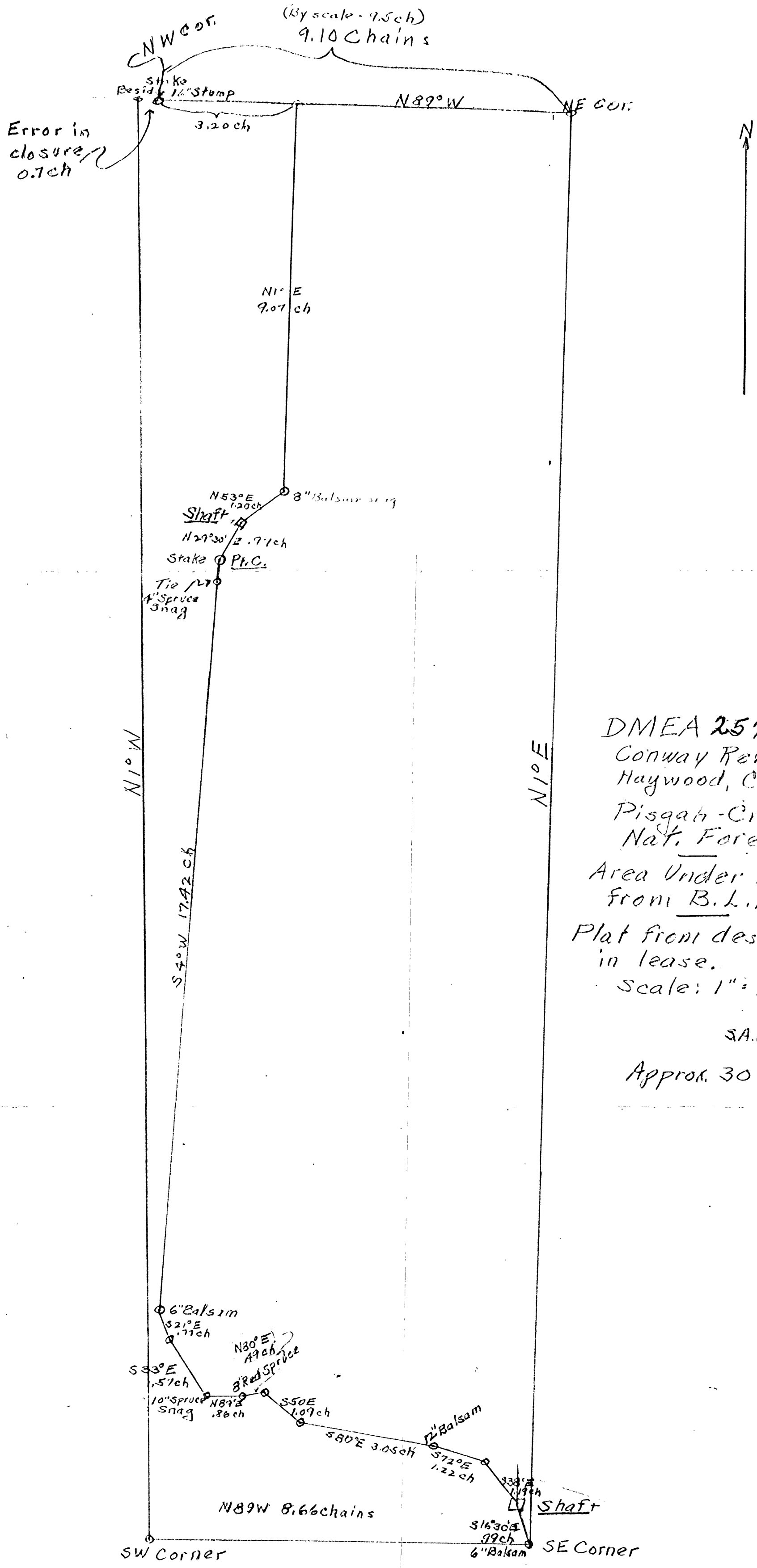
Sketch showing relation geographically to other well known producing mica mines in area.



From Shining Rock Quadrangle
Haywood County, North Carolina (184-SE)
Geological Survey, Edition of 1946.


EAST SIDE ROAD
TOP OF RIDGE
PROPOSED TUNNEL
VEIN HERE
TUNNEL IN WHICH WORKING NOW
TOP OF RIDGE
VEIN HERE
10 FT underground mine
WEST SIDE FOREST SERVICE ROAD


(By scale - 9.5 ch)
9.10 Chains
NW Cor.
Stake
Beside 16" Stump
N 89° W
NE Cor.
3.20 ch
Error in closure 0.7 ch
N
N1° E
9.07 ch
N53° E
1.20 ch
8" Balsam snag
Shaft
N29°30' E .97 ch.
Stake Pt. C.
Tie
4" Spruce Snag
N 1° W
S 49° W 17.42 ch
N 1° E
DMEA 2575
Conway Revis
Haywood, Co., N.C.
Pisgah-Croatan
Nat. Forest
Area Under Lease
from B.L.M.
Plat from description
in lease.
Scale: 1" = 2 Chains
S.A.F. 7/28/52
Approx. 30 Acres
6" Balsam
S21° E
.77 ch
N80° E
.49 ch
8" Red Spruce
S53° E
.57 ch
10" Spruce
Snag
N89° E
.86 ch
S50 E
1.09 ch
S80° E 3.05 ch
12" Balsam
S72° E
1.22 ch
S38° E
1.19 ch
Shaft
N89 W 8.66 chains
S16°30' E
.99 ch
6" Balsam
SE Corner
SW Corner



DMEA 2575
Conway Revis
Haywood, Co., N.C.
Pisgah-Croatan
Nat. Forest

Area Under Lease
from B.L.M.

Plat from description
in lease.
Scale: 1" = 2 Chains

S.A.F. 7/28/52.

Approx. 30 Acres