DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 4319

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 Cys USGS, BM

To:	600	Date	5/31/56
To:	Mr. Hopkins	Date	5-31-56
To:	Oper Com	Date	6-13-56
To:	F.E. Johnson	Date	6-13-56
To:	CJM	Date	6-13-56
To:	Oper Com	Date	8-23-56
To:	F.E. Johnson	Date	8-24-56
To:	CJM	Date	8-26-56
To:	Oper Com	Date	10-12-56
To:	Admr.	Date	10-12-56
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

MF-203
Revised March 24, 1955

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

CONSENT TO LIEN

RECEIVED
MAY 3 1 1956

To the United States of America:

Referring to that certain land in the County of Yancey, State of North Carolina, described as follows:1/ That Tract of land on the Threadgill boundary on the headwaters of Cat Tail Creek starting on a stake 300 feet east from the upper workings or outcropping of the Snake Den Mine and running north 300 feet; thence west 600 feet; thence south 500 feet; thence east 600 feet; thence north 200 feet to the point of begining, making a tract 500 feet by 600 feet.

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

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

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

None

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

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

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

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

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

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this 8th day of April, 1956.

Perry Greenfield [Seal]

Ethel B. Greenfield [Seal]

_____ [Seal]

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

_____

[Corporate Seal]

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5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this 8th day of April, 1956.

Perry Thurgood [Seal]

Ethel St. McGee [Seal]

_____ [Seal]

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_____

[Corporate Seal]

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Revised March 24, 1955

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Operator _____
Docket No. DMEA- _____
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Contract Date _____

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MAY 31 1956

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

5. Added provision: _____

Dated this 8th day of April, 1956.

_____ [Seal]

_____ [Seal]

_____ [Seal]

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

_____

[Corporate Seal]

MF-203
Revised March 24, 1955

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EXPLORATION PROJECT CONTRACT
Operator _____
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5. Added provision: _____

Dated this 8th day of April, 1956

Guy Thurlwell [Seal]

Ethel H. Thurlwell [Seal]

_____ [Seal]

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

_____

[Corporate Seal]

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MAY 31 1956

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EXPLORATION PROJECT CONTRACT
Operator _____
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5. Added provision: _____

Dated this 8th day of April, 1956

Perry Threadgill [Seal]

Ethel R. Threadgill [Seal]

_____ [Seal]

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

_____

[Corporate Seal]

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/11	Hoyt	600
2/12	Selbridge	120
"	Johnson	110
"	Mittenbergf	100
2/13	C	220
		225

600

FEB 13 1957

Mr. C. W. Rathbone
1167 N. W. 118th St.
Miami 50, Florida

Re: Docket No. DMEA-4319-Mica
C. W. Rathbone and Hobart Wilson
Threadgill Boundary Prospect
Yancey County, North Carolina

Dear Mr. Rathbone:

Your letter of January 18, 1957, addressed to the Bureau of Mines has been referred to this Administration for reply.

Your application, denied on August 24, 1956, and all reports and data available to this office have been re-examined, and after careful re-study of all of the evidence we have again concluded that the probability of making a significant discovery is not sufficiently promising to justify Government participation in your proposed project, therefore, the denial of your application is reaffirmed.

Should you do additional work on this property of sufficient scope to obtain favorable information which can be examined and evaluated by the Field Team, we shall be pleased to consider a new application. In submitting a new application you should refer to your application by docket number, describe the additional work and the results achieved.

You will find enclosed three sets of application forms, together with the required number of Consent to Lien and Subordination Agreement forms.

Sincerely yours,

C. O. Mittenbergf (for)

Administrator

Enclosures 33

LGHouk:gad 2/12/57
Copy to: Admr. R. File
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

6-12
(February 1947)

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

February 4, 1957

Referred to : Defense Minerals Exploration Administration
Washington 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 5 1957

DATE	INITIALS	CODE
1-5-57	X.C.S.	225
		200
2/11	Hook	600

Subject: Letter from C. W. Rathbone
1167 N. W. 118th Street
Miami 50, Florida

Remarks: The attached letter from Mr. Rathbone requesting papers to secure loans for certain mines is being referred to your Department for reply. Mr. Rathbone has been notified of this referral.

W. E. Rice
Chief, Administrative Division.

U. S. GOVERNMENT PRINTING OFFICE 16—52093-2

Branch of Ceramic and Fertilizer Minerals
Mineral Resources

C W Rathbone
11679 N.W. 118th St
Miami 50 Fla

Jan 14th 1957,

Bureau of Mines
Washington, D.C.

Dear Sir!

I wants get the necessary papers or forms, to secure lones on three mines en Western North Car in the County of Yancey, and in the Township of Pensdale, N.C. The three mines is located on Rocky Fork a tributary of Cutail Creek on Bear Pen Ridge, on the Thaodgill Boundry. The name of the mines is 1 Shanty Cove Mine, and the Calwode Mine, 3 The John House Cove Mine these mines has not been Exploited very much. They have produced some fine Ruby Mica; which was good size running up to 12 + 14 in. clear of cracks, I applied for a lone on the Snake den mine in the name of C.W. Rathbone and Hobert H Wilson and it was Rejected this was in 1956

OFFICIAL FILE COPY
D M E A
RECEIVED FEB 5 1957
DATE | INITIALS | CODE

(2)

I Would apreciate if you would reconsider a lone on it
It is a Productive Mine and has Produce some of The finest Mica I have ever seen in That Territory one Block weight 38 lbs and Cleaned and 11 lb at $70.00 one pond and a half at $40.00 and 60 at $17.70 This was all No 1 perat grade I am Located at 1167 NW 118 st Miami 50 Fla, Mr Throdgill lives near in Miami, I can get are Nessesary papers fixed up, While I am here in Miami, my Mining Partner his adress is Burnsville NC, Hubert W Wilson,
I and Jones are mining the Crip Ogle Mine on Cotty Fork Pensacola NC, it operating now when The Weather permits, I hope you Will give this carfull conciditation, I am.

Yours, Truly,
E W Rathbone

BUREAU OF MINES
WASHINGTON, D. C.

JAN 24 11 19 AM '57

RECEIVED
JAN 24 1957
BUREAU OF MINES
MINERALS DIVISION

cw

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

600

DOCKET COPY
Surname:

Houk
Hopkins
Nelson
Lamb
Selfridge
Fitzsimmons

Messrs. C. W. Rathbone and Hobart Wilson

Pensacola, North Carolina

AUG 24 1956

Re: Docket No. DMEA-4319-mica
C. W. Rathbone and Hobart Wilson
Threadgill Boundary Prospect
Yancey County, North Carolina

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgement, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins:ms 8/16/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

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

August 22, 1956

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Subject: A denial of request for exploration assistance and Summary Report

By: James Hopkins

1. Docket No. DMEA-4319-mica
Property: Threadgill Boundry (Snake Den)
Located: Yancey County, North Carolina
Applicants:
C. W. Rathbone)
Hobart Wilson) Pensacola, North Carolina
Application:
dated May 14, 1956
Proposes:

Construct access road	$ 500.00
Prospect No. 1	
Sink 40 feet @ $50.00/ft.	2,000.00
Drift 60 feet @ $35.00/ft.	2,100.00
Prospect No. 2	
Drift 100 feet @ $35.00/ft.	3,500.00
Crosscut 40 feet @ $35.00/ft.	1,400.00
Estimated Total Cost	$9,500.00

No contract - application denied

2. Comments:

An essentially vertical N 30° E trending fault plane has produced marginal tension fractures which have subsequently been filled with mica-bearing pegmatite. The fracture planes are highly irregular, striking roughly north-south and dipping from horizontal to 40° east. The fracture system pinches out anywhere from 8 to 25 feet on either side of the fault and thickens to 2 to 4 feet at the fracture-fault junction. The structures have indefinite continuity along strike, which is probably substantially greater than in the dip section.

2. Comments(continued)

The pegmatites are disconformable to a biotite gneiss.

Strategic grades of muscovite make up 5 to 10% of the pegmatite and is found in ruby colored books 2 to 8 inches across. There is practically no mineral staining. One 30 pound block is reported to have sheeted 11 pounds of $70.00 per pound material.

The Field Team concludes that the small size of individual structures and the suggested lack of close spacing make the target extremely small for the outside costs of exploration. Therefore, they recommend that the application be denied.

The Nonmetallic Minerals Division and the Commodity Divisions of the Geological Survey and Bureau of Mines concur in the recommendation.

James Hopkins
Nonmetallic Minerals Division

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

RECEIVED
AUG 13 1956

August 10, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4319 (mica)

Applicant: C. W. Rathbone & H. Wilson

Name and Location of Property: Threadgill Boundary Prospect, Yancey County, N. C.

Date of Field Team Report: 7/31/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/7/56

Field Team Recommendation: Recommend denial of this project.

Comments:

1. Considerable strategic-quality mica has been recovered from this property during and since Colonia Mica period.

2. The small discordant fractors, individually are too small to outline sufficient reserves to justify a rather difficult and extensive exploration program.

Recommendation:

I concur with the field team's recommendation for denial.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

August 10, 1956

RECEIVED
AUG 1 9 1956

Re: DMEA 4319
C. W. Rathbone and
Hobart Wilson
Threadgill Boundary prospect
(Snake Den Mine)
Yancey Co., N. C.
$9,500.00 - Mica

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested assistance in exploring a series of flat to low dip, roughly lens-like bodies of mica-bearing pegmatite. The lenses 'make out' from a vertical fault. The lenses of pegmatite crosscut the nearly vertically dipping biotite-kyanite gneiss. Considerable mica, $18,000 worth, has been recovered from relatively small side hill cuts and short adit-like openings.

The examiners consider the access, service water and mining problems are such that a paying operation is unlikely.

The application says:

4(a) No previous operations
(b) No past production: new prospects, etc., etc. Are the applications too well standardized?

The prospect seems to have and has produced more mica than the average on which we receive applications.

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

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1000 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
AUG - 1 1956

July 31, 1956

Memorandum

To: Operating Committee, DMEA- Washington

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

Subject: Field Examination Report - DMEA-4319 (mica)
Treadgill Boundry (Snake Den) Property, Yancey County, N. C.

Enclosed are 4 copies of the subject examination report.

Although the Prospect has produced strategic mica, and shows some promise of additional reserves, the cost of exploration (including cost of an access road) would be excessive compared with the size of the target. Thus, we recommend denial.

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

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

Reviewed by
DMEA OPERATING COMMITTEE
8-6-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
AUG - 1 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

On

DMEA-4219 (mica) TRIANGULI BOUNDRY PROSPECT
(Snake Den Mine)
Yancey County, North Carolina

By

S. G. Bergman, Geologist
U. S. Geological Survey

and

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

8-6-56

July 31, 1956

RECEIVED
AUG 1 1956

FIELD EXAMINATION REPORT
On
(Snake Den Mine)
DMEA-4319 (mica) TREADGILL BOUNDARY PROSPECT
Yancey County, N. C.

Applicants: C. W. Rathbone and Hobart Wilson, Pensacola, North Carolina

Summary:

A thick vertical sequence of mica-bearing pegmatites, is suggestive of filled tension fractures, resultant of a N 30° E trending vertical fault zone. The structures have been intermittantly exposed for a distance of about 460 feet up a steep rocky slope. More than $12,000 worth of good quality strategic muscovite has been recovered during and since the Colonial period. Some $6294 worth of mica has been recovered during the present program which averaged about $22.00 per pound. The small discordant fractures, individually, are too small to outline reserves or to justify any exploration. They could be mined from a vertical shaft sunk on the fault trace, if the vertical density of structures was high enough. The exposed intervals between the various structures suggest that this condition is not present. Water for drilling or mining would have to be piped by gravity a minimum of 3000 feet or pumped a distance of 1200 feet with a vertical lift of 400 feet. The lack of available water and difficult access to the site are conditions which overshadow the economic potential of the structures. The Field Examiners recommend that the application be denied.

Location:

The Snake Den Mine is 2.18 airline miles S 70° E from the intersection of Highway 197 and Cattail Creek road at Pensacola, Yancey County, North Carolina. It is approximately 0.95 airline miles S 10° W from the Cattail Mine and lies between elevations of approximately 4120 feet to 4400 ft (Black Brothers, N.C. Quad.TVA Ed 1946, 1/24,000).

Introduction:

The property was examined July 12, 1956 over an interval of about 5 hours. The examiners were accompanied by Mr. C. W. Rathborn, Mr. Hobart Wilson and Mr. Junior McKinney. The property can only be reached on foot by

about 2000 feet of rough steep trail over a heavily wooded mountain slope from a good all weather road at 3600 ft elevation on the North Fork of Cattail creek. The center of the leased area is approximately at 4400 ft elevation. The major portion of the exposed structures are off of the leased area (see map). The applicants have a 105 c.f.m. Ingersoll compressor below the lowest exposure and have run air line some 600 ft to the upper works. The property has been worked off and on by the present applicants since the Colonial Period. Over $12,000 worth of mica has been produced while $6294.00 worth has been sold under the present program at $22.00 per pound. No buildings or other equipment are presently at the mine site.

Geology:

An essentially vertical N 30° E trending fault plane has produced marginal tension fractures which have subsequently been filled with mica-bearing pegmatite. The trace of the fracture-fault intercepts plunges from near horizontal to 25° northeast. The fracture planes are highly irregular, striking roughly north-south and dipping from horizontal to 40° east. The fracture system pinches out anywhere from 8 to 25 feet on either side of the fault and thickens to 2 to 4 feet at the fracture-fault junction. The structures have indefinite continuity along strike, which is probably substantially greater than in the dip section.

The pegmatites are disconformably enclosed in a interlayered and banded migmatitic biotite gneiss and kyanitic-biotite gneiss. The various pegmatites are fairly uniform in composition, consisting of sodic plagioclase, considerable disseminated quartz, muscovite, and serecite. Some apatite and sulfides (bornite, chlcopyrite ?) occur as accessory minerals. Strategic grades of muscovite make up 5 to 10% of the pegmatite and is found in ruby

colored books 2 to 8 inches across. There is practically no noticable mineral staining or intergrowth. The mica is sometimes bent, but essentially free from ruling or cracking. One 30 pound block of muscovite is reported to have ~~been~~ sheeted 11 pounds of $70 per pound material.

Conclusions:

Although this is an interesting structural type and an occurence of very good strategic muscovite, the unfavorable economics of any exploration program in this area would overshadow the indicated potential. Access is extremely difficult and water is prohibitively far away. The small size of individual structures and the suggested lack of close spacing make the target extremely small for the outsize costs of exploration. The Field Examiners recommend that the application be denied.

S. C. Bergman, Geologist
Geological Survey

A. L. Peyton, Mining Engineer
Bureau of Mines

DOCKET COPY
Surname:

Hopkins
Houk
Geehan
Kilsgaard
Martin
Hjorman

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

JUN 13 1956

Messrs. C. W. Rathbone and Hobart Wilson

Pensacola, North Carolina

Re: Docket No. DMEA-4319-mica
C. W. Rathbone and Hobart Wilson
Threadgill Boundary Prospect
Yancey County, North Carolina

Gentlemen:

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

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

Sincerely yours,

G. O. Mittendorf

Administrator

JHopkins:ms 6/12/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

R.S.B.

DOCKET COPY
Surname:

Hopkins
Houk
Martin
J.J. Thomas

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

JUN 13 1956

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

Re: Docket No. DMEA-4319-mica
C. W. Rathbone and Hobart Wilson
Threadgill Boundary Prospect
Yancey County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda dated June 1 and 6, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Please have the applicant supply the book and page of recording of the tract of land involved. A location map should be prepared showing the outline of the leased area related to the location of the proposed DMEA work. A tie from one of the corners of the leased area to a permanent corner of the tract or to some permanent, immovable object or monument should be made.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

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

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures:4

JHopkins:ms 6/12/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

RCR

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

June 6, 1956

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JUN 7 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4319 (mica)

Applicant: C. W. Rathbone and H. Wilson

Name and Location of Property: Threadgill Boundary, Yancey Co., N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 5/31/56

Comments:

1. This is a new prospect and no previous work has been done.

2. It appears a field examination is necessary to determine the feasibility of a project.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

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JUN - 4 1956

June 1, 1956

Re: DMEA 4319
C. W. Rathbone and
Hobart Wilson
Threadgill Boundary prospect
Yancey Co., N. C.
$9,500.00 - Mica

Memorandum

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

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

Subject: Review of application.

The applicants request assistance in exploring two neighboring pegmatites or one pegmatite in two places. The former condition could account for the crosscutting proposed.

No description of the exposures of pegmatite is given and no mica is reported visible. If it is possible to strip the pegmatite showings with the bulldozer worthwhile information concerning the mica-bearing potential of the pegmatites might be obtained.

Referral to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

BUREAU OF MINES
WASHINGTON, D. C.
JUN 1 3 29 PM '56

May 31, 1956

Mr. C. W. Rathbone
Pensacola,
North Carolina

Subject: DMEA 4319
Re: Exploration Assistance
Threadgill Boundary

Dear Mr. Rathbone

The receipt of your application dated May 14, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 4319 and referred to the Nonmetallic Minerals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

May 31, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region V.

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA - 4319 C. W. Rathbone and Hobart Wilson

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

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

RECEIVED
MAY 31 1956

May 29, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Application from C. W. Rathbone & Hobart Wilson.
Threadgill Boundary, Yancey County, N. C. (mica)

Enclosed are three copies of the subject application, with copies of the lease and five signed copies of the Consent to Lien. We are keeping the fourth copy of the application for our use.

The prospects are near the Cattail Mine (DMEA-1876). The legal description is probably inadequate.

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

V. J. Lynch
V. J. Lynch, Member
DMEA Field Team, Bureau of Mines

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

RECEIVED
MAY 3 1 1956

ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

May 29, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Application from C. W. Rathbone & Hobart Wilson.
Threadgill Boundary, Yancey County, N. C. (mica)

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Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch, Member
DMEA Field Team, Bureau of Mines

RAL/xm

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

RECEIVED
MAY 31 1956

May 29, 1956

Mr. C. W. Rathbone

Pencasola, North Carolina

Dear Mr. Rathbone:

Your application for aid in exploring for strategic mica on the Threadgill Boundary in Yancey County, N. C., has been forwarded to our Washington office in accordance with established procedure.

You will be notified in advance if a field examination is to be made.

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/sm
cc:
Opr. Com.-2
Lynch
Files

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
MAY 31 1956

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

Not to be filled in by applicant

Docket No. DMEA-4319
Metal or Mineral MICA
Date Received 5/31/56
Estimated Cost $9,500
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: C. W. Rathbone and Hobart Wilson
both of Pensacola, N. C.

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MAY 28 1956
U. S. Geologic Division Survey
Knoxville, Tenn.

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

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

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

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

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

(*b*) State any mine name by which the property is known. Threadgill Boundary

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

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

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

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes. Will furnish required 25%.

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

[x] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated May 14, 1956, 195...

C. W. Rathbone and Hobart Wilson

By C W Rathbone

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

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

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MAY 3 1 1956

MF-103 (Continuation sheet)

4. (a) No previous operations.

   (b) No past production; new prospects.

   (c) Outcropping of mica vein indicates that strategic mica may be found by exploration work.

   (d) Some work must be done on access road. Jeep can get within short distance of prospects.

   (e) Manpower, materials and equipment readily available. No electric power available.

5. (b) We propose to do several hours bulldozing to cut access road, lower shaft 40' deep and drift 60' with vein on Prospect #1; and run 100' adit into mountain, then crosscut 40' on Prospect #2.

6. Estimate of costs:

Access Road	$ 500.00
<u>Prospect #1</u>	
40' Shaft @ $50.00 per foot	$ 2000.00
60' Drift @ $35.00 per foot	2100.00
<u>Prospect #2</u>	
100' Adit @ $35.00 per foot	3500.00
40' Crosscut @ $35.00 per foot	1400.00
Total estimated cost, Projects #1 and #2	$ 9500.00

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MAY 3 1 1956

C. W. Rathbone

Mr. Rathbone was born and brought up in Yancey County and attended school there. He has done quite a bit of mining during the last few years, chiefly in Yancey County. He is sixty years old.

Mr. Rathbone is a reputable citizen and enjoys a good reputation in the Pensacola community where he lives. He lists the following references:

Mr. W. E. Anglin, Attorney at Law
Burnsville, N.C.

Mr. W. S. Flynt
Crossnore, N.C.

Mr. Ernest Briggs, Attorney at Law
Burnsville, N. C.

Hobart Wilson

Mr. Hobert Wilson, now 56 years old, has lived in Yancey County all his life. He attended Yancey County schools, and has mined most of his adult life in and around Yancey County. He is considered a good miner, and has a good reputation in the community. He gives the following references:

Mr. Jim Anglin
Burnsville, N. C.

Mr. Vincent Westall
Burnsville, N. C.

Mr. Horace Edge
Burnsville, N. C.

Mining Lease

The Great State of North Carolina.
County of Yancey.

This Mining lease made and entered into on this 7th day of May 1956, by and between Percy Threadgill and Ethel H.Threadgill, parties of the first part, herein referred to as the owners, and C.W.Rathbone and Hobart Wilson, parties of the second part, herein referred to as the Lessees.

WITNESSETH: Whereas the above named owners, for and in consideration of the performance of the conditions and agreements and payments of royalties as hereinafter stated, have bargained and leased and by these presents do bargain, lease and grant unto the said Lessees, their heirs or assigns for mining purpose, for the time and period fixed in paragraph (1) below, that certain tract of land on what is known as the Threadgill Boundary on the Waters of Cat Tail Creek in Pensacola Township of Yancey County, and more completely described as follows: Starting on a stake 300 feet east from the upper workings or outcropping of the Snake Den Mine and running north 300 feet; thence west six hundred feet; thence south five hundred feet; thence east six hundred feet; thence north two hundred feet to the point of begining, making a tract 500 feet by 600 feet.

To have to and to hold the said premises for mining purposes unto the said Lessees, their heirs and assigns for the period of time fixed herein below, upon the full compliance with each and all of the following stipulations and agreements;

1. Period of Time. This lease shall begin April 7 1956 and shall be in full force and effect for a period of five years ending April 7 1961, unless sooner terminated as herinafter provided.

B. The owners hereby agree to extend this lease for as many as five additional years on the same terms and conditions set forth herein, provided all the terms and conditions set forth herein shall have been complied with by the said Lessees.

C. If the Lessees fail to mine upon the said premises in a workmanlike manner for any period of time of as much as sixty days duration, then in that event it shall be deemed that the said lessees mining operations on the said premises has ceased and thereupon the owners at their option, may declare this lease null and void and of no effect and of no further force and may re-enter and take possession of said premises.

D. If the Lessees fail to pay any royalty payments as herein required, the owners, at their option may have the right to re-enter and may declare this lease null and void and of no effect and of no further force and then they have the right to take possession of the above premises.

2-A. Mining Rights. The Lessees shall have the right to dig search for, quarry, mine and obtain Mica, Feldspar and other minerals from the said premises using such machinery as is reasonably convenient and customary in a fully equipped mine.

B. The Lessees shall have the right of egress and ingress over the roads leading to and from the above mines, the Lessees agreeing to pay for the upkeep of the said roads leading to the said mines.

C. The Lessees shall have the right to use the surface of the said lands to the full extent that such use is reasonably necessary for the operation of the mining, digging, processing and removal of the said minerals.

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MAY 3 1 1956

D. The Lessees shall have the right to construct and place upon said lands such buildings and machinery as is reasonably necessary for the operation of the mines, it being expressly understood and agreed that upon the termination or expiration of this lease, all buildings and machinery placed thereon by the said Lessees may be removed within a period of 30 days from the said expiration or termination. After the said expiration of the above mentioned 30 day period it is mutually understood and agreed that all buildings and machinery remaining shall become the property of the said parties of the first part. It is further understood and agreed that the said Lessees shall not remove any buildings, piping or other equipment belonging to the said owners and now located on the above lands, and the said Lessees agree that they will keep all buildings used by them for camps and belonging to the said owners in as good repair as they are now in.

E. The Lessees shall have the right to cut and use such timber from the above described premises as may be necessary for the safe operation of the said mine or mines, provided they cut such timber as is approved by the owners.

3. Manner of Work. The Lessees agree to use sufficient machinery, tools and equipment and labor so as to operate the mines on the said premises in a workmanlike manner, and at all times to keep the mine in a clean and workable condition.

4. The Lessees shall, and hereby expressly agree, that all Mica and other minerals taken from the said mines shall be sheeted and worked on the above premises or in some location approved in writing by the owners and after the Mica has been sheeted and worked it shall be sold to the buyer offering the highest price.

5. Royalty. The Lessees shall and do hereby agree to pay the owners a royalty as follows:

A. The Lessees agree to pay to the owners a sum equal to one eighth of the sale price or all Mica, Feldspar and other minerals sold and the above payments shall be made either at the time of the sale, or not later than the first of each month for all minerals sold during the previous month.

B. Starting on the first day of ....., and on the first day of each and every month thereafter during the term of this lease or any extension thereof, should the royalty payments from the minerals mined and sold be less than one hundred dollars, the Lessees agree that they will, in addition to the payments provided in paragraph 5A, above, pay to the owners a sum equal to the difference between the royalty payments on the minerals sold during the preceding month and one hundred dollars, it being understood and agreed that one hundred dollars shall be the minimum royalty to be paid on each and every month.

C. The Lessees may surrender this lease at any time and thereby canceling all of the stipulations herein to be performed by them after the date of said surrender or cancelation agreement.

6. Inspection of premises. The owners or their agents shall have the right to inspect the mines the minerals taken therefrom regardless of where they are stored, all records and books of the said Lessees as to any and all the minerals mined and removed from the above described premises.

7. Transfer. It is expressly understood and agreed by all the parties hereto that this lease shall not be transferred or assigned by the said Lessees, their heirs or assigns, to any person firm or corporation without the consent in writing of the said owners.

8. Fire, fish and game. A. The Lessees and all persons in their employ shall use particular care to prevent any forest fires which might damage timber on this or adjoining lands.

B. It is expressly understood and agreed that neither the Lessees or any persons in their employ shall be permitted to take or destroy any fish or game on this or the adjoining lands of the said owners.

9. Covenants. The owners covenant to and with the said Lessees, their heirs or assigns that they are the owners of the above described lands and that they have a lawful right to execute this lease upon the terms herein stated, and they they will warrant and defend the title to same against the lawful claims of all persons whom so ever.

In witness whereof the said owners and the Lessees have hereto set their hands and seals on this 7th day of April 1956.

Percy Threadgill ..... Seal

Ethel H. Threadgill ..... Seal

Parties of the 1st part Owners

..... Seal

..... Seal

Lessees and parties of the second part.

State of North Carolina - County of Yancey.

I, Marie Ray A Notary Public, do hereby certify that Percy Threadgill and Ethel H.Threadgill personally appeared before me this day and acknowledge the due execution of the foregoing mining lease for all the purposes therein expressed

Marie Ray Notary Public

My commission expires Mar. 21, 1958

INTERIOR
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LORADO

21 CENTS 21
1955
CC

Defense Minerals Exploration Administration
U. S. Department of the Interior
Interior Building
Washington 25, D. C.

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JAN 3 1983

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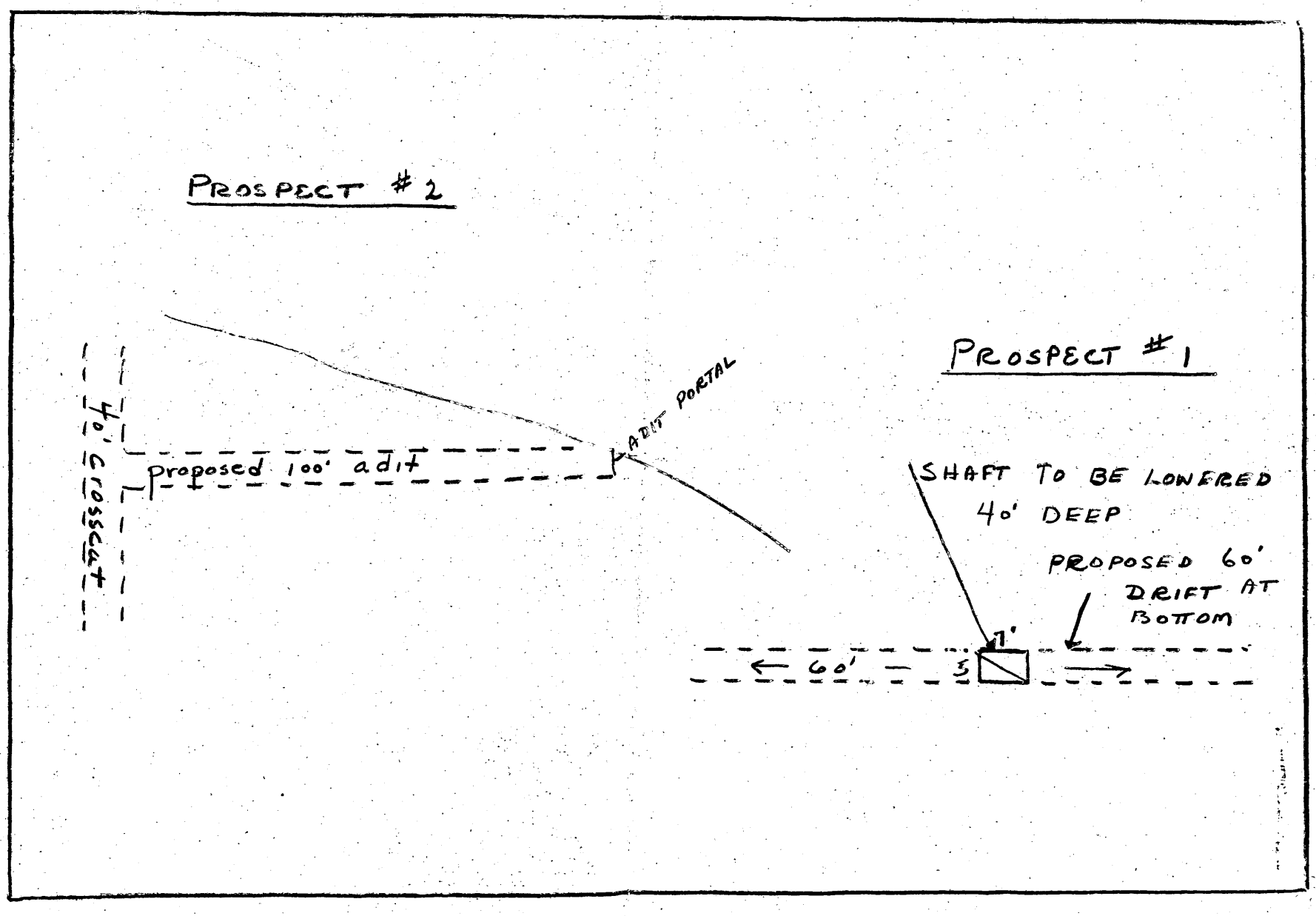
JAN 3 1983

THREADGILL BOUNDARY

Yancey County
N. C.



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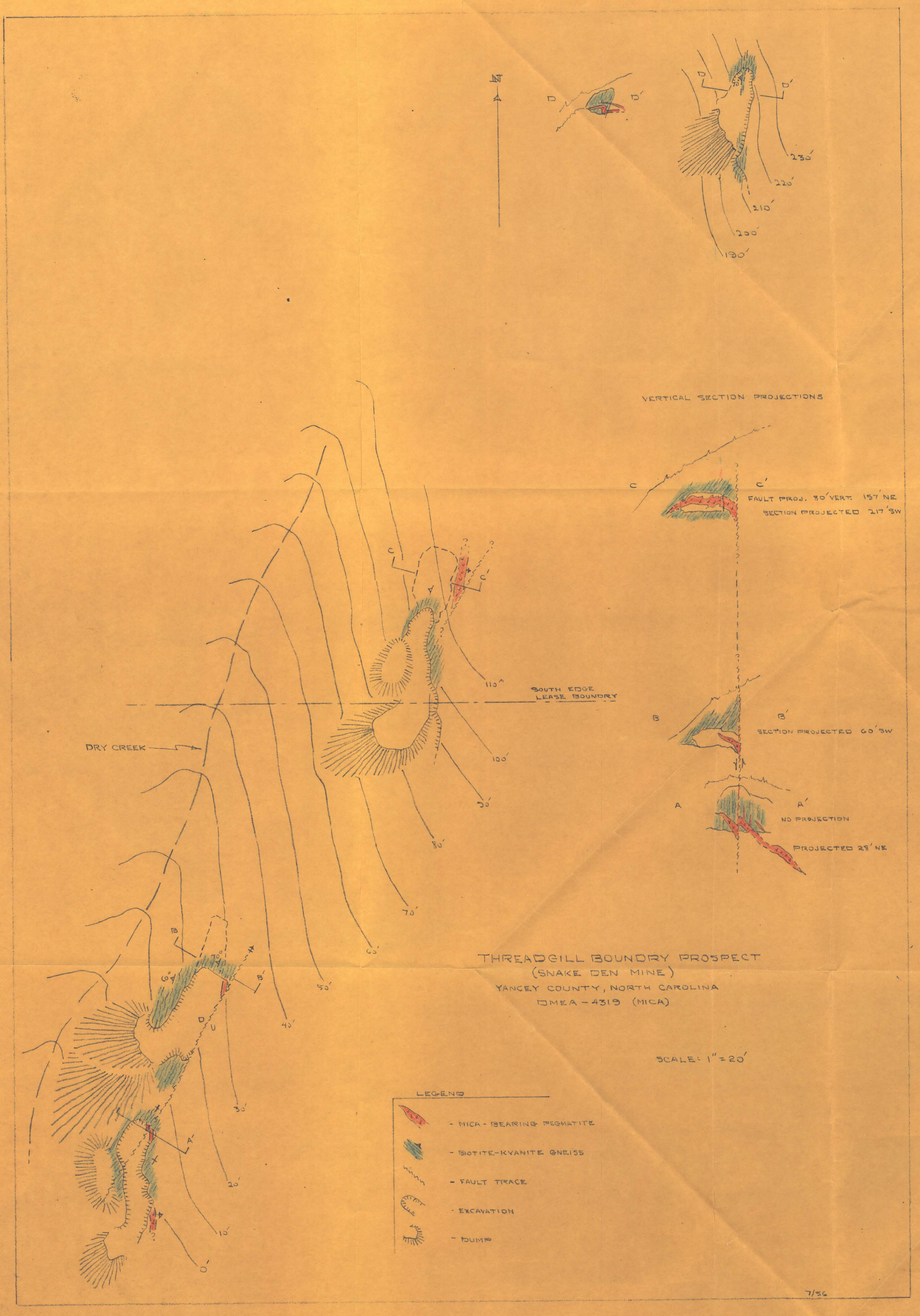
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