DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3622

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 Assistance

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

Cys to USBM, USGS, & Reg.

Routing Slip

To:	600	Date	12/31/54
To:	Hyskins	Date	1/5/55
To:	Open Comm	Date	1-18-55
To:	Open Comm	Date	3-3-55
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DO NOT DETACH

CONTROLLED DOCUMENT

Memorandum Date: June 1st 1955

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1. Docket No. DMEA 3622 - Mica

1. Property: Roper Prospect
Macon County North Carolina

Applicant: Roper Mining Company
Spruce Pine North Carolina

Application: Form MF-103 - date received December 29 1954

Work Proposed:

Shaft sinking	85 feet	$4250.00
Drifting	100 feet	3500.00
Amount Requested		7,750.00

No Contract Application Denied.

Resumé:

The Roper Prospect is located on lands of the Mudcat Mining Company which is the subject of Contract No. Idaho F-67W.

A certification of Discovery is being issued to the Mudcat Mining Company

Under Contract No Idm-E 674 the following work was authorized for the Muckout Mine:

Agreed Unit Costs

Construction of	
Powder Magazine	$25.00
Exploder Magazine	$13.00
Sinking 65 feet of shaft @ 50.00	3 250.00
Driving 75 feet of drifts @ 30.00	2 250.00
Total Agreed estimated Cost of Project	$5,538.00
Government participation @ 75%	$4,153.50

Work began on the Project June 7, 1954 and was completed on October 8, 1954. The total cost was the amount authorized or $5,538.00 The Government participation was $4,153.00.

An estimation of reserves revealed by the work is:

Indicated Ore	25,000 pounds	Mine-run
Inferred Ore	60,000 pounds	" "

Value of Production during operation	$5,533.62
Royalty paid	$276.69
Value of Production to date	$12,301.15
Royalty received to date	$615.06

Contract No Idm-E 674 was amended January 7, 1955 authorizing the following additional work on the Talent Prospect on land of the Muckout Mining Company:

Rehabilitate 25 feet of Shaft @ 12.00/ft	$300.00
Sinking 50 feet of Shaft @ $40.00/ft	2000.00
Driving 100 feet of drift @ $30.00/ft	3000.00
Total	$5,300.00

Work began on the Talent Prospect on the amended portion of the Contract February 1, 1955 and was ended April 30 1955.

Work completed on Talent Prospect

Rehabilitation 25 feet @ 12.00/ft		300.00
Sinking 50 feet @	40.00/ft	2000.00
Drifting 90 feet @	30.00/ft	2700.00
Total Cost		$5000.00
Government Participation		$3750.00

Mica recovered:

3000# Scrap Value $45.00

Reserves of strategic mica revealed by the work on the Talent Prospect are negligible.

Total approved Budget Lands	$10,838.00
Total expended " "	$10,538.00
Government share of Costs	$7,903.50
Total Production to date	$12,301.15
Royalty Received to date	$615.06

2. Comments

The Roper Prospect

Geological Premise:

A pegmatite has been extensively worked in the weathered zone. No work extends into unweathered rock. Strategic mica is exposed

in the old workings. However there is no record of production.

Geological Criteria:

Workings expose a pegmatite 15 to 18 feet thick, dipping and lying normal to the foliation of the mica gneiss wall rock. The length of the pegmatite appears to be about 63 feet.

Future Possibilities

All pegmatite has been removed above the 40-foot level of the mine in the totally weathered zone. The Field Team however believes that considerable strategic mica remains in the unweathered zone and have recommended a project to explore this zone.

Recommendation:

Because the Roper Prospect is located on the lands where a significant discovery has been made and a certification will be issued, the Nonmetallic Minerals Division recommends that this application be denied

letter sets forth reasons in better form — — CBM

Docket Copy
Surname:

Hopkins
Houk
Hedges
Kiilsgaard
Selfridge
Johnson

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

600

JUN - 6 1955

Roper Mining Company

Spruce Pine, North Carolina

Re: Docket No. DMEA-3622 - Mica
Roper Mining Company
Roper Prospect
Macon 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.

Based upon the results of the exploration work performed on your property under DMEA Contract No. Idm-E674, in our opinion, additional Government participation is not warranted. We regret to advise you, therefore, 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 (for)

Administrator

JHopkins:gad
Rewritten
LGHouk:gad 6/2/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Dietrich, 3061
Mr. Kiilsgaard, 5222
Mr. Houk
Field Team, Region V

R.C.S.

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

March 23, 1955

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region 5, Knoxville, Tennessee

Subject: Docket No. DMEA-3622 (mica) Roper Mining Company
Roper Prospect - Macon County, N. C.

Reference is made to the Operating Committee's letter of March 7, 1955, on the subject property.

1. Attached is a property map which shows the location of the Mud Cut, Tallent, and Roper mines.

2. No information is available as to the production from the Roper Prospect. The openings, except the open cut, are all pre-World War II. The total amount of drift that can be examined on the 20-foot level is 63 feet. It is believed that this represents most of the drift from this level. All workings on the pegmatite from the 0-foot level are caved and their extent is unknown.

3. As stated in the examination report, probably all mineable pegmatite has been removed above the level of the 87-foot crosscut. This crosscut is about 4' x 4' in cross section and is caved at the face where it intersects pegmatite. In order to use this opening for sinking a winze on the pegmatite, it will be necessary to trim the crosscut and provide a hoisting station at the pegmatite. It is estimated that cost of this preparation will be approximately $10 per foot for trimming, $1.00 per foot for track, and $200.00 for a hoisting station.

The Field Team is of the opinion that the best method of approach at this deposit is the one set forth in the examination report.

V. J. Lynch

V. J. Lynch, Acting
EXECUTIVE OFFICER
DMEA REGION V

K. H. Teague

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

Docket Copy
Surname:

Mr. Houk
Selfridge
Mr. Hedges
Mr. Newcomb

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

MAR 7 - 1955

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

Subject: Docket No. DMEA-3622 - Mica
Roper Mining Company
Roper Prospect
Macon County, North Carolina

Dear Mr. Laurence:

Reference is made to the Field Team examination report of January 17, 1955, on the subject property.

The Field Team recommends a contract to explore an area 50 feet below the old workings by sinking a 65-foot shaft 25 feet south of the position of the pegmatite on the 25-foot level and drifting for 80 feet on the pegmatite. It is reported that the pegmatite has been completely mined above the 40-foot level.

We would prefer to defer action on this application because it involves the property on which the Mud Cut and the Tallant prospects are located. This property already is the subject of Contract Idm-E674. In the meantime we suggest that you furnish us additional information on the following points which may enable us to make a better evaluation of the project:

1. Actual location of the Roper Prospect on the property with respect to the Mud Cut and Tallant Mines and the boundary lines of the property.

2. Past production and total amount of drifting.

3. Alternate method of exploration with cost estimate of sinking winze from the 40-foot level crosscut.

Action on the subject application will be deferred until the exploration work on the Tallant Prospect is well under way and we have received the above requested information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

E. L. Newcomb
Member, Geological Survey

JHopkins:gad 3/2/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

P.C.H.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 25 FOB BLDG.
KNOXVILLE 2, TENN.

January 27, 1955

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Team Examination Report on:
DMEA-3622, Roper Prospect (mica) North Carolina

Transmitted are four reports on the subject application.

The Field Team concurs with the examiners and recommend that a contract be prepared on a short form.

Wm. A. Beck, Acting
EXECUTIVE OFFICER
DMEA REGION V

D. H. Amos, Geologist
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
2-4-55
(date)

Defense Minerals Administration
RECEIVED
JAN 3 1 1955

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION OF FIELD TEAM -DMEA- REGION V

On

DMEA-3622, ROPER PROSPECT (mica)
Macon County, N. C.

BY

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

and

D. H. Amos, Geologist
U. S. G. S.

Reviewed by
DMEA OPERATING COMMITTEE

2-4-55
(date)

January 17, 1955

Lease Materials Commission
RECEIVED
JAN 31 1955

FIELD EXAMINATION REPORT
ON
DMEA-3622, ROPER PROSPECT (mica)

Applicant: Roper Mining Company, c/o Sam L. Phillips, Spruce Pine, N. C.

This pegmatite has been extensively worked in the weathered zone. No work extends into unweathered rock. Mica exposed in the old workings is of strategic grade and the size of the pegmatite in both length and thickness indicate considerable pegmatite remains at this place. Exploration assistance is recommended.

The deposit was examined January 17, 1955. Messrs. Ramey ~~Boone~~ Beam, Sam L. Phillips, Homer and Jeter Boone accompanied the examiners on the inspection which required two hours.

The Roper Prospect is on the north slope of Trimont Ridge, midway between the Mud Cut Mine and Tallent Prospect. It is 1.18 airline miles N. 46° W. of the center of Franklin, Macon County, North Carolina. A jeep road extends to the mine.

The applicants are competent to conduct the proposed work. Location of this deposit with respect to the lease boundaries is such that adequate dumping and working space is available.

There are no facilities at the deposit; however, adequate buildings and magazines are present at the nearby Mud Cut Mine. Workings consist of a large open cut at the surface, a 27-foot crosscutting adit with 63 feet of accessible drift from it on the 25-foot level, and an 87-foot crosscut from the 40-foot level. Pegmatite is exposed in the open cut and the 27-foot adit, but the head of the 87-foot crosscut is caved. All available pegmatite appears to have been removed above the 40-foot level. All accessible workings are in the hanging wall zone.

The openings expose an east-west trending pegmatite which dips 50-60° S. It is apparently between 10 and 15 feet thick, zoned, and is normal to the foliation of the mica gneiss wall rock. Where exposed the pegmatite is composed of the following zones, from the hanging wall: 2"-6" border zone composed of small mica, quartz, and plagioclase; 1' -2' wall zone composed of abundant small to medium size ruby muscovite, plagioclase and quartz; 2' - 4' intermediate zone composed of abundant perthite, quartz, and green "A" mica; and 3' - 5' core zone composed of massive gray quartz. Pegmatite below the quartz core is not exposed; however, at the nearby Mud Cut Mine zoning conditions below the quartz were similar to those on the hanging wall side.

Mica is relatively abundant in the wall zone. It is hard, clear,

generally flat, and ruby-colored. Some books are severely ruled and some are cracked. Most of the mica observed was in small sizes (less than 4 inches in diameter); however, books up to 6 inches across were observed. The mica is of strategic grade.

Any exploration program on this deposit should be directed toward exploring the deposit at depth. Previous mining has removed most of the weathered pegmatite. The examiners recommend that a 65-foot shaft be sunk 25 feet south of the position of the pegmatite on the 25-foot level. This shaft will intersect pegmatite at a point 25-40 feet from its collar, depending on dip. After the pegmatite is intersected the shaft should be inclined. A total of 80 feet of drift is recommended from the bottom of the shaft.

Estimated Cost:

Sink 5' x 7' timbered shaft to 65 feet (40 shifts)

Labor:		
1 miner @ $1.50/hr.	$480.00	
1 hoistman @ $1.25/hr.	400.00	
1 laborer @ $1.00/hr.	320.00	
Equipment (rental):		
Compressor, drill & pump @ $230/Mo.	460.00	
Hoist @ $50/Mo.	100.00	
Supplies:		
Explosives	200.00	
Gasoline and oil	125.00	
Drill steel	125.00	
Timber, 4000 B.F. @ $65/M	260.00	
Small tools	100.00	
Miscellaneous	150.00	
Insurance & Social Security	205.00	
		$ 2,925.00

Drive 80 feet of drift (40 shifts)

Labor: 1 - miner @ $1.50/hr.	480.00	
1 - hoistman @ $1.25/hr.	400.00	
2 - laborers @ $1.00/hr.	640.00	
Equipment (rental):		
Compressor, pump, drill & jackleg @ $240/Mo.	480.00	
Hoist @ $50/Mo.	100.00	

Supplies:

Explosives	$240.00	
Gasoline and Oil	150.00	
Drill Steel	100.00	
Small tools & pipe	100.00	
Insurance and Social Security	60.00	
Miscellaneous	50.00	
		$2,800.00

Estimated Total Cost of Project.... $5,725.00

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 17 1955

February 16, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Brooke L. Gunsallus, Acting for Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3622 (mica)

Applicant: Roper Mining Company

Name and Location of Property: Roper Prospect
Macon County, North Carolina

Date of Field Team Report: January 27, 1955

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 2-8-55

Field Team Recommendation:
1. Approval of contract.

Comments:
1. Pegmatite dike 10-15 feet thick is exposed.
2. Ruby mica is found in the border and wall zones, and more abundant in the wall zones.
3. Proposed exploration outlined by the field team is consistent with good engineering practices and estimated costs are in line with other DMEA projects.

Recommendation:

I concur in the field team's recommendation for an exploration project in the amount of $5,725.

Brooke L. Gunsallus

Brooke L. Gunsallus

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 17 1955

February 16, 1955

Memorandum

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Defense Minerals Exploration Administration

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Subject: DMEA-3622 (mica)

Applicant: Roper Mining Company

Name and Location of Property: Roper Prospect
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Date of Field Team Report: January 27, 1955

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Recommendation:

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Signed

Brooke L. Gunsallus

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 15 1955

February 14, 1955

Re: DMEA-3622
Roper Mining Co.
Roper Prospect
Macon Co., N. C.
$5,725 - Mica

Memorandum

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

From: D. A. Brobst, U. S. Geological Survey

Subject: Review of Field Examination Report

The Field Team has recommended that the application be approved. The proposal for exploration appears reasonable and there seems to be a possibility that a deposit of strategic mica might be found.

I concur with the Field Team's conclusion that the application be approved.

D A Brobst
D. A. Brobst

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 15 1955

February 14, 1955

Re: DMEA-3622
Roper Mining Co.
Roper Prospect
Macon Co., N. C.
$5,725 - Mica

Memorandum

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

From: D. A. Brobst, U. S. Geological Survey

Subject: Review of Field Examination Report

The Field Team has recommended that the application be approved. The proposal for exploration appears reasonable and there seems to be a possibility that a deposit of strategic mica might be found.

I concur with the Field Team's conclusion that the application be approved.

D. A. Brobst

DABrobst:hlm
G-2/14/55

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

IN REPLY REFER TO:

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

February 14, 1955

Re: DMEA-3622
Roper Mining Co.
Roper Prospect
Macon Co., N. C.
$5,725 - Mica

Memorandum

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

From: D. A. Brobst, U. S. Geological Survey

Subject: Review of Field Examination Report

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I concur with the Field Team's conclusion that the application be approved.

D. A. Brobst

DABrobst:hlm
G-2/14/55

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

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
FEB 15 1955

February 14, 1955

Re: DMEA-3622
Roper Mining Co.
Roper Prospect
Macon Co., N. C.
$5,725 - Mica

Memorandum

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

From: D. A. Brobst, U. S. Geological Survey

Subject: Review of Field Examination Report

The Field Team has recommended that the application be approved. The proposal for exploration appears reasonable and there seems to be a possibility that a deposit of strategic mica might be found.

I concur with the Field Team's conclusion that the application be approved.

D. A. Brobst

DABrobst:hlm
G-2/14/55

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

DOCKET FILE
Surname: Hopkins Houk Hodges Selfridge Johnson

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

600

JAN 19 1955

Roper Mining Company

Spruce Pine, North Carolina

Re: Docket No. DMEA-3622 - Mica
Roper Mining Company
Roper Prospect
Macon 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.

It is noted that the Roper Prospect is located on property explored under Contract No. Idm-E674 (Docket No. DMEA-3287), Mudcut Mining Company. If it is determined that additional work on the Roper Prospect is justified, Contract No. Idm-E674 may be amended to authorize such work.

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

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins:ad 1/18/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

P.C.S.

DOCKET FILE
Surname:

Hopkins
Houk
Selfridge
Fleming

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

600

JAN 19 1955

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

Subject: Docket No. DMEA-3622 - Mica
Roper Mining Company
Roper Prospect
Macon County, North Carolina

Dear Mr. Laurence:

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

You will note that the Roper Prospect is located on property that is subject to a lien under Contract No. Idm-E674 (DMEA-3287), Mudcut Mining Company. If the examining team determines that additional work on the Roper Prospect is justified, Contract No. Idm-E674 may be amended to authorize such work and the subject application Docket No. DMEA-3622, Roper Mining Company, will be withdrawn.

Copies of memoranda from the Geological Survey, dated January 5, 1955, and from the Bureau of Mines, dated January 11, 1955, are enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GHB)

Approved:

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

E. L. Newcomb (GHB)
Member, Geological Survey

Enclosures 4

JHopkins:ad 1/18/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

R.C.S.

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 6 1955

January 5, 1955

Re: DMEA-3622
Boone, Carpenter & Phillips
(Roper Prospect)
Macon Co., N. C.
$7,750 - Mica

Memorandum

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

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The proposal consists of sinking an 85 foot shaft and drifting 100 feet in pegmatite.

This prospect is apparently on the same property as the Mud Cut mine and the Talent prospect. The Talent prospect (DMEA-3540) is being explored under an amended contract originally prepared for the Mud Cut (DMEA-3287).

We do not have any information in our files on the Roper prospect.

Inasmuch as the Roper prospect is on property presently being explored by DMEA, this application should be referred to the Field Team for their review and recommendations. It probably would be convenient to examine the Roper prospect when they make their next interim inspection of the Talent prospect project.

E. L. Newcomb

E. L. Newcomb

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

Defense Minerals Administration
RECEIVED
JAN 11 1955

January 11, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3622 (mica)

Applicant: Roper Mining Company

Name and Location of Property: Roper Prospect, Macon County
North Carolina

Date Application Rec'd. by Br. of Ceram. & Fert. Mat.: Jan. 1, 1955

Comments:

1. From limited information presented, it is difficult to determine if an exploration program is justified or if proposed plan is the logical plan.

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

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

December 31, 1954
Subject: DMEA-3622
Re: Exploration Assistance
Roper Prospect

Roper Mining Co. (dba)
Spruce Pine
North Carolina

Gentlemen:

The receipt of your application dated December 27, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3622 and referred to the Non-Metallic 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

NOTE: Only four copies of the application form (MF-103) are required by this office. The fifth copy is hereby returned to you.

60932

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
DEC 29 1954

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. 3622
Metal or Mineral MICA
Date Received
Estimated Cost $7,750
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: Homer and Jeter Boone, Lin Carpenter, John and Sam L. Phillips
D/B/A Roper Mining Co.
Spruce Pine, N. C.
Partnership

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Legal description given on lease now on file with Mud Cut Mine File DMEA-3287.

(*b*) State any mine name by which the property is known. Roper Prospect

(*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 now on file with DMEA. (DMEA-3287)

(*e*) If you own the land, describe any liens or encumbrances on it Not owner

(*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 attached 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 attached 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. Now on file with DMEA.

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.).

(*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 December 27, 1954

Roper Mining Company
(Applicant)

By Sam L. Phillips
Partner

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 29 1954

MF-103 (Continuation Sheet)

4. (a) No previous operations. New Prospect.

(b) None.

(c) It is believed that with exploration assistance, mica of ruby variety and of strategic quality may be discovered.

(d) Project is accessible to roads, shipping, etc.

(e) Manpower, materials, supplies, equipment all available. Power within 300'.

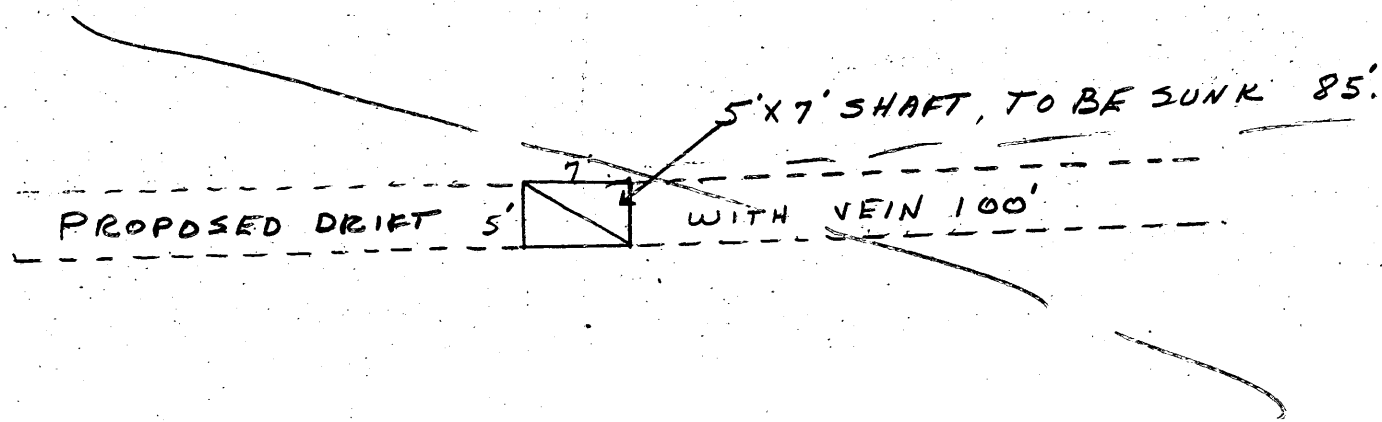
5. (b) We propose to sink a 5'x7' shaft 85 feet deep, then drift 100 feet with vein.

6. Estimate of Costs:

Sink 5x7 shaft 85' @ $50.00 ft.	$ 4,250.00
Drift with vein 100' @ $35.00 ft.	3,500.00
Total Estimated Cost	$ 7,750.00

ROPER PROSPECT

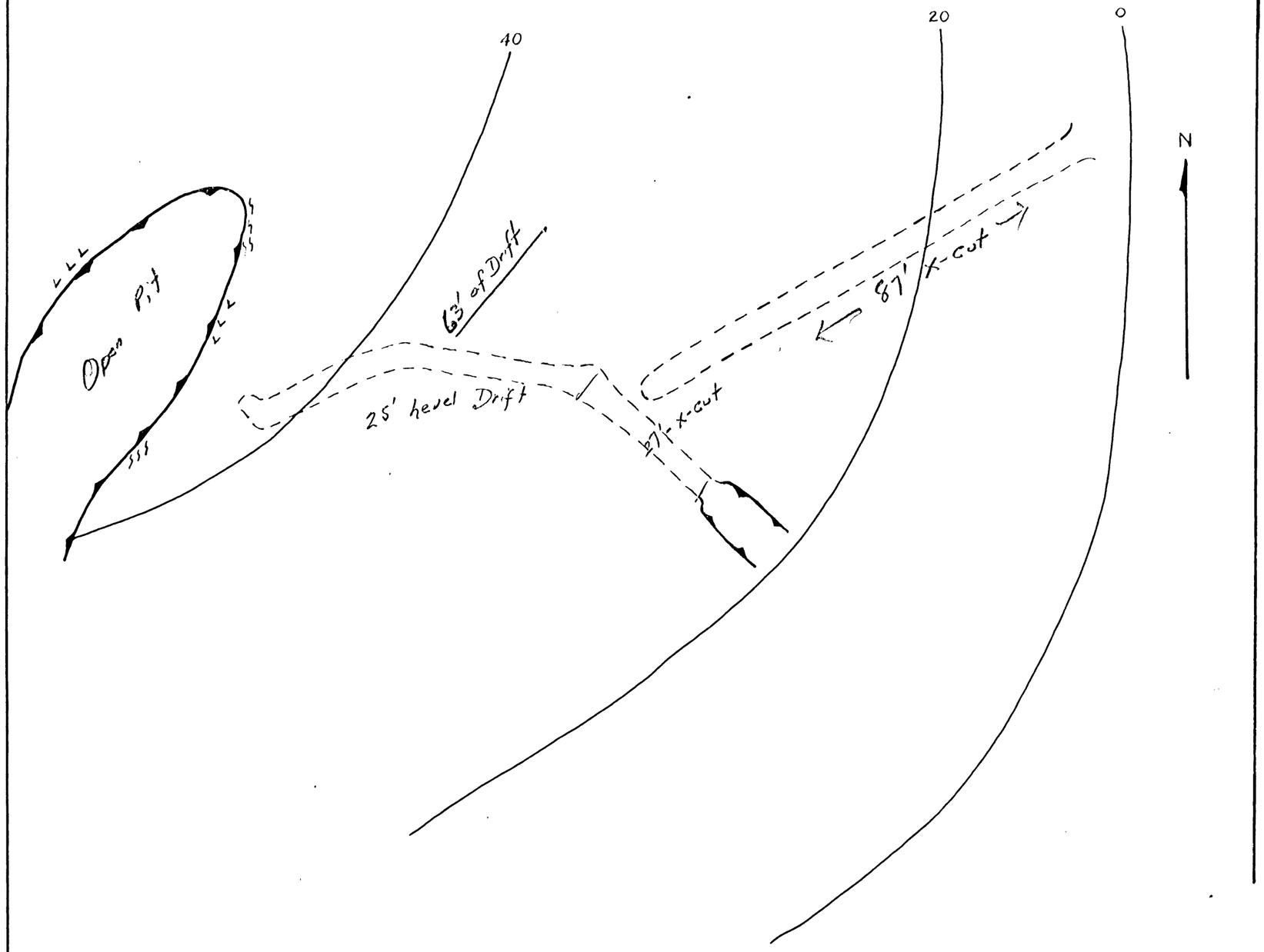
MACON COUNTY, N.C.

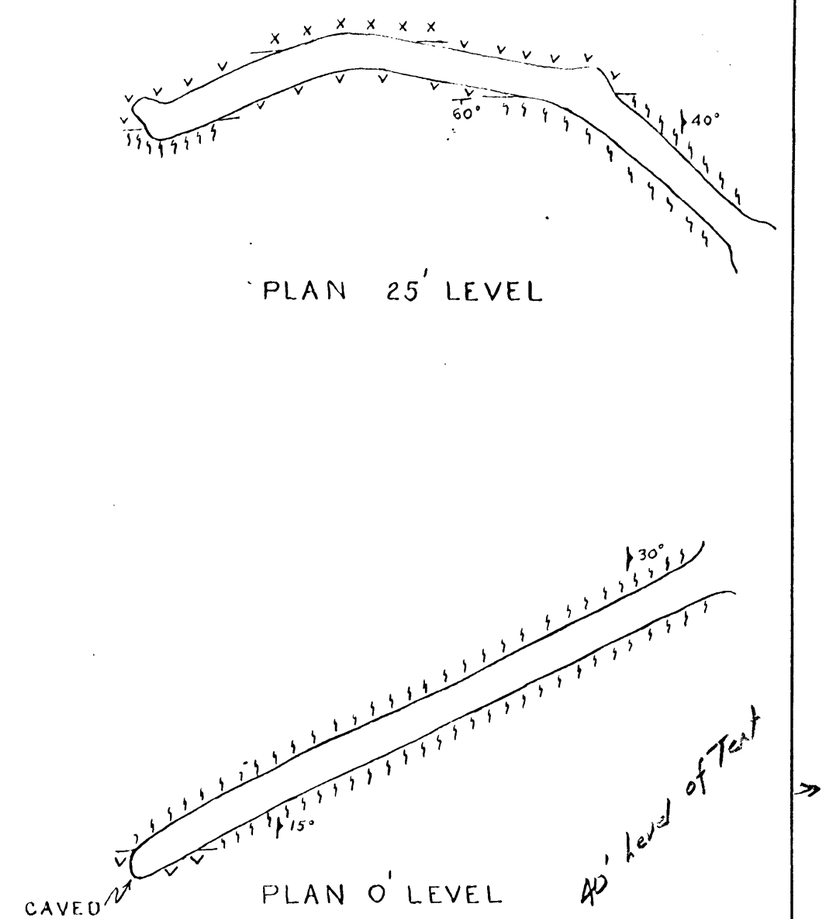


Mr. Jay L. Chambers
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGIONAL OFFICE
REGION VII
NORRIS, TENNESSEE
OFFICIAL BUSINESS

P. O. Box 1009
Knoxville, Tennessee

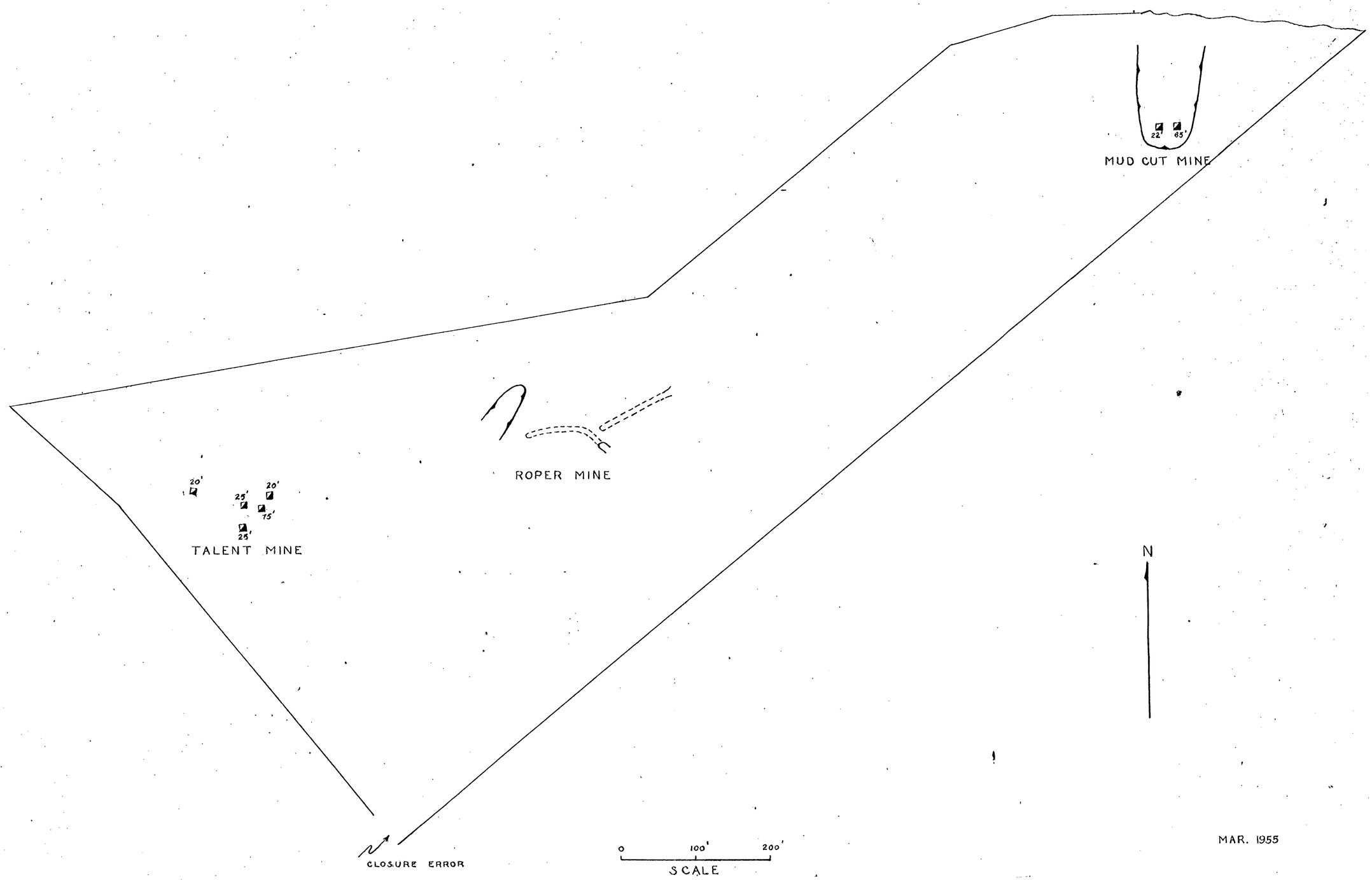




0 20' 40'
SCALE

SKETCH OF
ROPER PROS.
MACON CO., N.C.

DMEA-3622 (mica)



MAR. 1955

SKETCH OF
MUD CUT PROPERTY
MACON CO., N.C.

DMEA CONTRACT IDM - E674