DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 4204

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration

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

Cys. BM, GS

Routing Slip

To:	600	Date	3/8/56
To:	MR. ANDERSON	Date	3/8/56
To:	Op. Com	Date	7/30/56
To:	F.E. Johnson	Date	7/30/56
To:	COON	Date	7-30-56
To:	Open Com.	Date	8-15-56
To:	F.E. Johnson	Date	8-17-56
To:		Date	
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DO NOT DETACH

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MAR - 6 1956

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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

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5. Added provision: NONE

Dated this 3 day of MARCH, 1956.

Wm Dingerfeldt [Seal]

Her + mark Florence E Dingerfeldt [Seal]

[Seal]

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[Corporate Seal]

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Her + mark Florence E. Lingerfeldt [Seal]

[Seal]

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W. M. Lingenfelter [Seal]→

Her mark Florence E Lingenfelter [Seal]

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WM Lingenfelt [Seal]

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Her + mark Florence E Lingerfeldt [Seal]

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[Corporate Seal]

Docket Copy
Surname:
Anderson
Houk
Nelson
Lamb
Selfridge
Spencer

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

AUG 17 1956

Mr. Lawrence Dixon, et al.
Bessemer City Mica Company
Bessemer City, North Carolina

Re: Docket No. DMEA-4204 - Mica
Bessemer City Mica Company
Lingerfeldt Property
Gaston 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 judgment, 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

WCAnderson:gad 8/15/56
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

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

August 15, 1956

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: L. G. Houk, Chief, Nonmetallic Minerals Division

Subject: Evaluation of application and field examination report.
Docket No. DMEA-4204 - Mica
Bessemer City Mica Company
Lawrence Dixon, et al.
Lingerfeldt Property
Gaston County, North Carolina

Denial of application is recommended.

Mica: Poor quality block, biotite stained and interwoven with large sheets of biotite. Ruby colored and from flat to flat "A" with some bending.

Pegmatite: Recent bulldozing has exposed a pegmatite 130 feet long by 35 feet wide, conformable to disconformable in a migmatitic and sillimanitic-mica gneiss and schist.

Workings: 740 cubic yards of bulldozing producing 100 pounds of rather poor quality block mica. This excavation is immediately southwest of a previous uncertified DMEA contract (DMEA-3568).

Applicants' proposal: $1,000 worth of core drilling, $1,000 worth of bulldozing and approximately $1,600 worth of shaft sinking, which together with contingencies totals $4,600.00. Did not indicate footage involved for core drilling and shaft sinking.

Comments: According to the Field Team report this deposit corresponds with the results obtained exploring the adjacent Crowder Property (DMEA-3568), which did not contain a worthwhile deposit of mica.

Recommendation: Because of the unfavorable mineralogical environment and the poor quality of what little mica was recovered, the Field Team recommends denial of the application. The Nonmetallic Minerals Division and the commodity members of the Bureau of Mines and the Geological Survey concur.

W. C. Anderson

W. C. Anderson
Nonmetallic Minerals Division

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

RECEIVED
AUG 10 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-4204 (mica)

Applicant: Bessemer City Mica Co. (Lawrence Dixon)

Name and Location of Property: W. F. Lingerfeldt Property, Gaston County, N.C.

Date of Field Team Report: 7/24/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/2/56

Field Team Recommendation: Recommend that the application be denied.

Comments:

1. An area 150 feet X 35 feet was bulldozed and only 100 pounds of rather poor quality mica was recovered.

2. This area is immediately southwest of a previous DMEA explored property which was not certified.

3. Geological factors show that this deposit is unlikely to produce any sizable quantities of strategic mica.

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.

RECEIVED
AUG - 3 1956

August 2, 1956

Re: DMEA 4204
Bessemer City Mica Co.
Laurence Dixon, et al.
Lingerfeldt Prospect
Gaston Co., N. C.
$6,200 - Mica

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring a pegmatite on which work had been done under contract Idm-E758 (Docket DMEA 3568 - Ernest Crowder). No certification was issued.

As exposed by a new bulldozer cut, for 130 feet of strike length, the pegmatite is 35 feet wide. The mica exposed is poor quality judging by the 100 pounds of block mica recovered in the cut. The results correspond to those met with in the nearby Crowder work, indicating that the pegmatite is not a bearer of strategic mica.

The examiners and the Field Team recommend denial of the application.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

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

600

DOCKET COPY
Surname:
Anderson
Houk
Martin
Johnson
Mottendorf

JUL 30 1956

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

Re: Docket No. DMEA-4204-mica
Bessemer City Mica Company
Lawrence Dixon, et al.
W. M. Lingerfeldt Prospect
Gaston County, North Carolina

Dear Mr. Laurence:

Reference is made to your telephone conversation on June 12, 1956, with Mr. Anderson of this office, in which you stated you would recommend denial of the subject application.

In order to confirm the recommendation and complete the action on this docket, we would appreciate receiving the field examination report at your earliest convenience.

Sincerely yours,

W. S. Martin (by esf)
ACTING Chairman, Operating Committee

Approved:
/s/ Robert W. Gephart (by esf)
Member, Bureau of Mines

N. E. Nelson (by esf)
Member, Geological Survey

WCAnderson:ms 7/27/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

R.C.L.

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

RECEIVED
JUL 30 1956

July 27, 1956

Memorandum

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

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

Subject: Field Examination Reports (Mica)

Enclosed are four copies of each of the following field examination reports:

DMEA-4204 - Bessemer City Mica Company
DMEA-4213 - Lewie Aldridge
DMEA-4229 - Steve Ledford
DMEA-4231 - Robert L. McKinney

Two of these (4204 and 4231) were examined without field referral, to avoid duplication of travel.

None of these four applications shows sufficient promise to justify the expenditure of exploration money, and we agree with the field examiners' recommendation that each of them should be denied.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 4

Reviewed by
DMEA OPERATING COMMITTEE
8/3/56
(date)

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT

On

DMEA-4204, LINGERFELDT PROPERTY
(mica)
Gaston County, N. C.

By

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

and

Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

July 24, 1956

DMEA [illegible]
8/3/56
(date)

FIELD EXAMINATION REPORT

On

DMEA-4204, LINGERFELDT PROPERTY
(mica)
Gaston County, N. C.

Applicant: Bessemer City Mica Co., c/o Lawrence Dixon, Bessemer City, N. C.

Summary:

The applicants have bulldozed an area immediately southwest of a now caved shaft, which was the subject of a previous uncertified DMEA contract (DMEA-3568). About 130 feet of pegmatite, about 35 feet wide, has been exposed. The mineralogical environment and quality of what little mica was recovered is very poor. The Examiners recommend that the application be denied.

Location:

The Lingerfeldt Property is 0.5 mile southeast of Cherryville, Gaston County, N. C. and about 1/4 mile west of the Huskins Mine (DMEA-1388).

Introduction:

The property was examined March 29, 1956 in the company of Mr. Dan Rhyne, Mr, W. I. Kincaid, Mr. Lawrence T. Dixon, and Mr. Mervin Ratchford.

Bulldozing by the applicants has exposed more of the same pegmatite which was the subject of DMEA-3568- Ernest Crowder. All work is on flat, pasture land and corn field and can be easily reach by car. No equipment, supplies or buildings are presently at the site.

Geology:

~~[illegible]~~ About 130 strike length feet of pegmatite, roughly 35 feet thick is exposed by the shallow bulldozing.

Fifty feet along strike to the northeast is the Crowder shaft (DMEA-3568). The structure strikes roughly 45° E. Its dip is uncertain since locally the contact dip from 30° NW to 80° SE. The structure is a mixture of plagioclase and potash feldspar with disseminated quartz and minor biotite and muscovite. Graphic textured material is common.

There has been about 100 pounds of rather poor quality blocks muscovite recovered from about 740 cu.yds of bulldozing. It is commonly biotite stained and intergrown with large sheets of biotite. The muscovite is ruby colored, and varys from flat to flat "A" with some bending. The structure is conformable to disconformable in migmatitic and sillimanitic-mica gneiss and schist.

Conclusions:

The results of DMEA-3568 indicated poor quality mica and low percentage of recovery. The same is true of the bulldozing done by the present applicants which is immediately adjacent to the previous contract. On this basis it is recommended that the application be denied.

July 24, 1956.

S. C. Bergman, Geologist
Geological Survey

Wm. A. Beck, Mining Engineer
Bureau of Mines

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

March 13, 1956

RECEIVED
MAR 14 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4204 (mica)

Applicant: Bessemer City Mica Co., (Lawrence Dixen)

Name and Location of Property: W. M. Lingerfeldt Property, Gaston Co., N.C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 3/8/56

Comments:

1. Proposed exploration is not explicit and the estimate of expenditures should be made on a unit-cost basis.
2. The relation between the area covered by this application and the area explored by Mr. Crowder last year should be determined.
3. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

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

IN REPLY REFER TO:

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

RECEIVED
MAR 12 1956

March 9, 1956

Re: DMEA 4204
Lawrence Dixon, et al.
Lingerfeldt prospect
Gaston Co., N. C.
$6,200.00 - 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 a pegmatite on the same property and about 100 yards south(east?) of the place where work was done under Contract Idm-E758 (Ernest Crowder). No certification was made under E758.

Application 4075 (John J. Walker) probably pertains to a nearby prospect. The Walker application says the Huskins mine, shown on the sketch map of this application, is a producing mine.

The work tentatively proposed consists of:--

Diamond drilling	$1,000.00
Bulldozer (rental)	1,000.00
Sinking	1,600.00
Pump and piping	400.00
Tool house	500.00
Miscellaneous labor	100.00
Consultant	50.00
Dump truck (rental)	300.00
Insurance and taxes	650.00
Contingencies	500.00
	$6,200.00

If, as claimed, bulldozing has uncovered another pegmatite, an examination is probably warranted.

Referral to the Field Team for suitable action is recommended.

N. E. Nelson

N. E. Nelson

March 8, 1956
Subject: DMEA-4204
Re: Exploration Assistance

Bessemer City Mica Company
Cherryville, North Carolina

Gentlemen:

The receipt of your application dated February 28, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4204 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

March 8, 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
- 4204 Bessemer City Mica Company

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

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

RECEIVED
MAR - 6 1956

March 5, 1956

Memorandum

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

Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Supplementary data for application of
Bessemer City Mica Company, Cherryville, North Carolina
W. M. Lingerfeldt property, Gaston County, North Carolina
(Mica)

Enclosed are six signed copies of the Consent to Lien for the subject application, with three copies of the applicant's reply to our letter of March 1, and three copies of a sketch map of the property.

Please note that Mrs. Lingerfeldt signed the Consent to Lien by mark, without a witness. Her signature on the Consent to Lien which accompanies DMEA-3568, Idm-E758 was made without a mark, and is in a different handwriting from those in this application; in fact, it was signed in two places on the earlier contract in different handwriting. Is this one acceptable?

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

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

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

RECEIVED
MAR - 5 1956

March 1, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA Field Team, Region V

Subject: Application from Dessemer City Mica Company, W. M. Lingerfeldt Property, Gaston County, N. C. (mica)

Enclosed are 3 copies of the subject application, with 3 copies of the lease and 3 copies of our reply to the attorney who prepared the application. We are keeping the fourth copy of the application for our files.

It is not clear from the application whether this is the same property and same pegmatite as the one explored last year under DMEA-3568, Idm-E758.

Robert A. Laurence

Robert A. Laurence

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

RECEIVED
MAR - 5 1956

March 1, 1956

Mr. J. R. Davis
Davis & White, Attys
Kings Mountain, North Carolina

Dear Mr. Davis:

The application of Mr. Laurence Dixon, et al, doing business as the Bessemer City Mica Company, for aid in exploring for strategic mica on the W. M. Lingerfeldt property in Gaston County, N. C., has been forwarded to our Washington office, in accordance with established procedure.

From February 8 to April 6, 1955, exploration under a DMEA contract with Ernest Crowder of Spruce Pine, N. C., was conducted on the land of W. M. and Florence E. Lingerfeldt. This work was discontinued before completion because both the Government and Mr. Crowder agreed that further work was not justified.

The descriptions of Mr. Crowder's lease and the lease in the present application are different and it is impossible for me to determine what relation the deposit to be explored bears to the one we explored last year. Is the new work to be on the same vein at a different location, or on a different vein? Is this the same tract of land as that leased to Mr. Crowder? Please submit a sketch map of the property included in this application showing the location of the proposed work and the location of the shaft sunk by Crowder.

It will be necessary to have a Consent to Lien signed by the land owners. Please have both W. M. and Florence E. Lingerfeldt sign all seven copies of the enclosed forms MF-203. Six copies should be returned to me, and the seventh copy should be kept by the land owners.

Very truly yours,

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

RAL/sm
cc:
Cpr. Com.-$
Lynch
Shirley
Files

M-103
(Revised April 1952)

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

RECEIVED
MAR 1 1956
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville

RECEIVED
MAR - 5 1956

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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. OMEA-4204
Metal or Mineral Mica
Date Received 3-5-56
Estimated Cost $4,600.00
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: LAWRENCE DIXON, BESSEMER CITY, NORTH CAROLINA, MERVIN RATCHFORD, DALLAS, N. C., AND W. I. KINCAID, BESSEMER CITY, N. C., OPERATING AS A PARTNERSHIP KNOWN AS BESSEMER CITY MICA COMPANY

(*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.

RECEIVED
MAR 1 - 1956
U. S. BUREAU OF MINES
DEF. MIN. ADM.
Knoxville

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 SEE ATTACHED

(*b*) State any mine name by which the property is known. NONE

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

(*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

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

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

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

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

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

(*c*) The work will start within ..... 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated FEBRUARY 28, 1956

BESSEMER CITY MICA COMPANY
(Applicant)

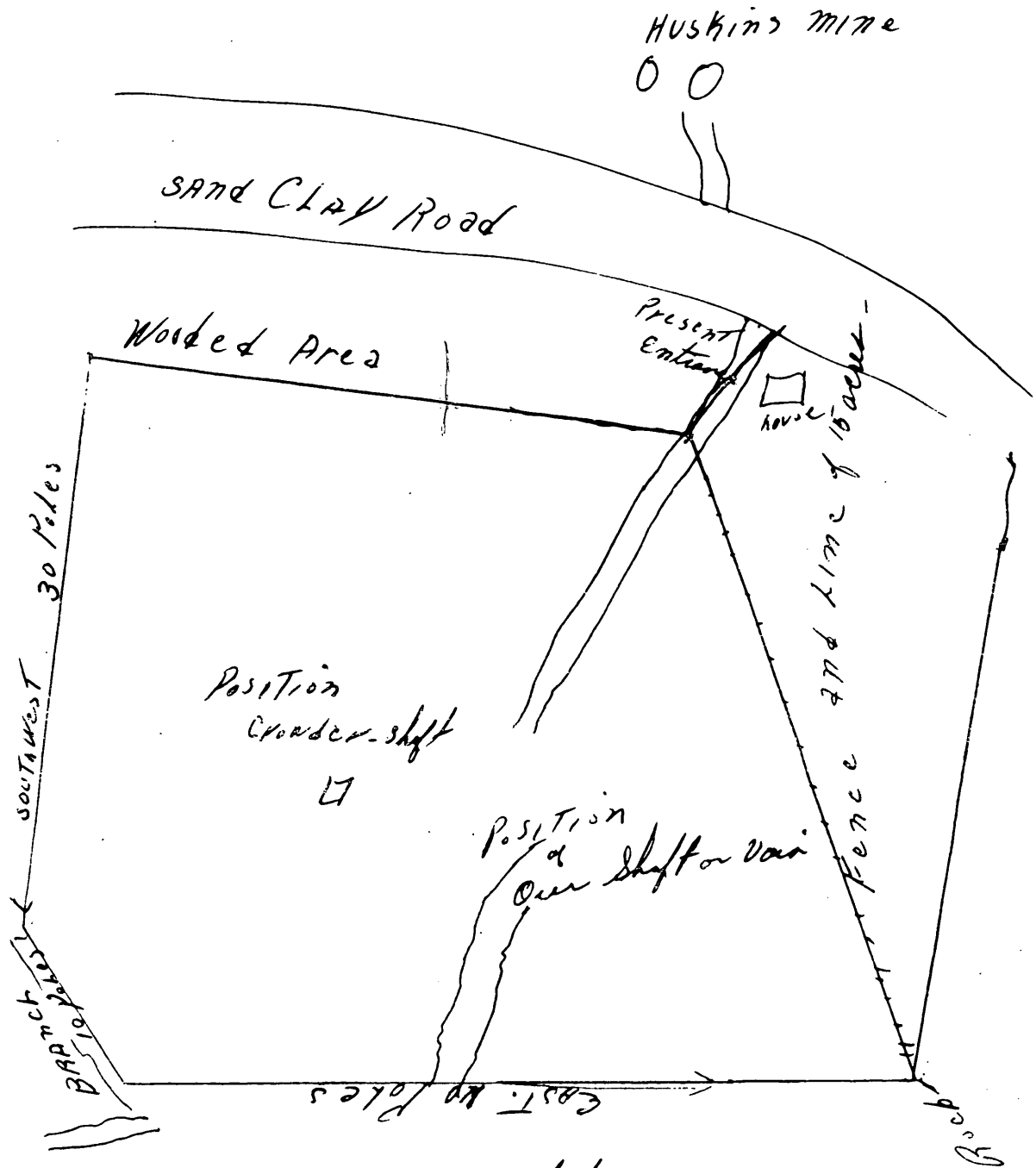
By W. D. Kincaid

Morris Datsford

Lawrence T. Dixon

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



Rough Sketch of Leased Property

BESSEMER CITY MICA COMPANY.

RECEIVED
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MAR - 5 1956

3. THE APPLICANTS HAVE A LEASE ON THE FOLLOWING REAL ESTATE:

BEING IN CHERRYVILLE TOWNSHIP, GASTON COUNTY AND KNOWN AS THE CLAUDE HOVIS LAND AND BEGINNING AT AN IRON PIN IN WALDEN WEAVER'S LINE AND RUNNING SOUTHWEST ABOUT 30 POLES TO A SMALL BRANCH, THENCE NEARLY SOUTH ABOUT 10 POLES TO A LARGER BRANCH, THENCE NEARLY EAST ABOUT 40 POLES TO HOVIS'S CORNER, A ROCK, THENCE WITH HOVIS' LINE NORTH 50 EAST 40 POLES TO A BLACK OAK ON HUSKINS' LINE, THENCE NORTH 35 WEST ABOUT 30 POLES TO AN IRON PIN, H. B. LINGERFELT'S CORNER, THENCE WITH HIS LINE NEARLY SOUTHWEST ABOUT 20 POLES TO AN IRON PIN, THENCE NORTHWEST ABOUT 20 POLES TO THE BEGINNING, CONTAINING BY ESTIMATION 15 ACRES MORE OR LESS.

4. A. WE HAVE CROSSCUT THE 15 ACRE TRACT OF LAND WITH BULLDOZER AND DUG HOLES IN VARIOUS PLACES, BUT UP TO THE PRESENT TIME WE HAVE NOT SUNK ANY SHAFT OR DONE ANY CORE DRILLING, AND WE NEED EQUIPMENT FOR CORE DRILLING, SINKING SHAFTS, AND ALSO NEED TO PURCHASE A BULLDOZER. THE 15 ACRE TRACT OF LAND IS LOCATED BY THE BESSEMER CITY-CHERRYVILLE HIGHWAY ABOUT 5 MILES FROM BESSEMER CITY AND IT IS LOCATED ABOUT 2 MILES SOUTH OF SAID HIGHWAY. TO REACH THE 15 ACRE TRACT LEAVE THE BESSEMER CITY-CHERRYVILLE HIGHWAY NEAR CONCORD METHODIST CHURCH AND GO SOUTH OVER SANDCLAY ROAD, AND GO TO PLACE KNOWN AS WALTER WEAVER DAIRY; THENCE TO THE HUSKINS MINE, AND FROM THERE TO THE 15 ACRE TRACT.

B. THERE HAS BEEN NO PRODUCTION HERETOFORE BY THIS PARTNERSHIP.

C. LARGE QUANTITIES OF PATTERN MICA HAVE BEEN FOUND BY US ON SAID LAND, ON TOP OF THE LAND AND ALSO AFTER WE HAVE GONE DOWN 5 FEET, 10 FEET, AND 15 FEET WITH A BULLDOZER. THE QUANTITY APPEARS TO US AS BEING VERY LARGE, BUT THIS HAS NOT BEEN DETERMINED UNTIL FURTHER EXPLORATION; BUT THE QUALITY SEEMS TO BE EXCELLENT.

D. THE ROADS ARE GOOD AND THE PLACE TO WHICH THE MICA WILL BE SHIPPED IS SPRUCE PINES, A DISTANCE OF ABOUT 100 MILES FROM BESSEMER CITY.

E. WE HAVE PLENTY OF MANPOWER, BUT ARE INSUFFICIENT IN SUPPLIES AND EQUIPMENT. WE HAVE PLENTY OF WATER, AND ELECTRIC POWER IS ACCESSIBLE.

5. A. MICA

B. THERE IS NOT ANY WORKINGS AT THE PRESENT TIME, BUT WE PROPOSE TO EXPLORE THE MINE FULLY BY CORE DRILLING, SINKING SHAFTS, BULLDOZING, AND EXPLORE THE PROPERTY BY ANY OTHER METHOD WHICH MIGHT BE FEASIBLE. THERE APPEARS TO BE A LARGE MICA BED ON THE PLACE.

C. AS SOON AS THE MONEY IS AVAILABLE FOR BUYING THE EQUIPMENT, AND IS TO BE COMPLETED WITHIN 6 MONTHS FROM DATE.

D. LAWRENCE DIXON, ONE OF THE PARTNERS, HAS HAD SOME EXPERIENCE IN EXPLORING MICA MINES AND WILL BE IN CHARGE FOR THE PURPOSE OF SUPERVISING THE OPERATIONS OF THIS PARTICULAR MINE.

6. CORE DRILLING $1000.00
RENTAL FOR BULLDOZER $1000.00
EXPENSES OF SINKING SHAFT APPROXIMATELY $1600.00
PUMP AND PIPING $400.00
TOOL HOUSE $500.00
LABOR $100.00

TOTAL $4600.00

A. NONE

B. COMMON LABORERS (4 TO 5) $1.00 PER HOUR
BULLDOZER OPERATORS (1) $2.00 PER HOUR
CONSULTANT ENGINEER $50.00

C. POWER $250.00
FUEL 250.00

D. BULLDOZER TO BE RENTED $1000.00
DUMP TRUCK (RENTAL PRICE) 300.00

G. WORKMEN'S COMPENSATION AND EMPLOYEE'S LIABILITY INSURANCE $400.00
PAYROLL TAXES 250.00

H. CONTINGENCIES $500.00

RECEIVED
MAR - 5 1956

MINING AND PROSPECTING LEASE

NORTH CAROLINA_____GASTON COUNTY

THIS CONTRACT AND LEASE MADE AND ENTERED INTO THIS THE 16TH DAY OF NOVEMBER, 1955, BY AND BETWEEN W.M. LINGERFELT AND WIFE, FLORENCE E. LINGERFELT, THE LESSORS, OF GASTON COUNTY, NORTH CAROLINA, PARTIES OF THE FIRST PART, AND DANIEL J. RHYNE, THE LESSEE, OF GASTON COUNTY, NORTH CAROLINA, PARTY OF THE SECOND PART;

WITNESSETH: THAT SUBJECT TO THE TERMS AND CONDITIONS HEREINAFTER SET FORTH, SAID PARTIES OF THE FIRST PART DOTH HEREBY LET AND LEASE UNTO SAID PARTY OF THE SECOND PART A CERTAIN PARCEL OF LAND SITUATE, LYING AND BEING IN GASTON COUNTY, NORTH CAROLINA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

> BEING IN CHERRYVILLE TOWNSHIP, GASTON COUNTY AND KNOWN AS THE CLAUDE HOVIS LAND AND BEGINNING AT AN IRON PIN IN WALDEN WEAVER'S LINE AND RUNNING SOUTHWEST ABOUT 30 POLES TO A SMALL BRANCH, THENCE NEARLY SOUTH ABOUT 10 POLES TO A LARGER BRANCH, THENCE NEARLY EAST ABOUT 40 POLES TO HOVIS' CORNER, A ROCK, THENCE WITH HOVIS' LINE NORTH 50 EAST 40 POLES TO A BLACK OAK ON HUSKINS' LINE, THENCE NORTH 35 WEST ABOUT 30 POLES TO AN IRON PIN, H. B. LINGERFELT'S CORNER, THENCE WITH HIS LINE NEARLY NORTHWEST ABOUT 20 POLES TO AN IRON PIN, THENCE NORTHWEST ABOUT 20 POLES TO THE BEGINNING, CONTAINING BY ESTIMATION 15 ACRES MORE OR LESS.

TO HAVE AND TO HOLD SAID LANDS, TOGETHER WITH ALL PRIVILEGES AND APPURTENANCES THEREUNTO BELONGING, TO HIM THE SAID PARTY OF THE SECOND PART AND HIS HEIRS FOR THE TERMS AND UPON THE CONDITIONS HEREINAFTER SET FORTH;

1. IT IS UNDERSTOOD AND AGREED THAT THE PARTY OF THE SECOND PART SHALL PAY TO THE PARTIES OF THE FIRST PART THE SUM OF $_____ FOR SAID LEASE AND THAT THE SAID LEASE SHALL BEGIN AS OF THIS DATE AND SHALL CONTINUE FOR SIXTY DAYS ONLY IF NO MINING OPERATIONS OR PROCESSING OF MINERALS SHALL HAVE BEGUN BY THE PARTY OF THE SECOND PART, BUT IF ANY MINING OPERATIONS OR PROCESSING FOR MICA OR OTHER MINERALS SHALL HAVE BEGUN THEN, SAID LEASE SHALL CONTINUE FOR THE SPACE OF (24) TWENTY FOUR MONTHS FROM THIS DATE AND THE DATE OF SAID LEASE, AND IT IS FURTHER UNDERSTOOD AND AGREED THAT THE PARTY OF THE SECOND PART SHALL LEAVE NO UNCOVERED HOLES ON THE LANDS BUT

L E A S E

SHALL COVER UP ALL HOLES AND EXCAVATIONS AT THE EXPIRATION OF THE SAID LEASE.

2. IT IS HEREBY UNDERSTOOD AND AGREED THAT THE PARTIES OF THE FIRST PART SHALL RECEIVE TEN PERCENT OF ALL FUNDS AND MONIES THAT MAY BE OBTAINED FROM THE SALE OF THE SAID MICA BY THE PARTY OF THE SECOND PART, BUT IF THE FEDERAL GOVERNMENT SHALL COLLECT FROM THE PARTY OF THE SECOND PART FIVE PERCENT OF THE FUNDS DERIVED FROM THE SALE OF THE SAID MICA, THEN THE PARTIES OF THE FIRST PART SHALL ONLY RECEIVE EIGHT PERCENT OF THE FUNDS DERIVED FROM THE SALE OF THE SAID MINERAL BY THE PARTY OF THE SECOND PART.

3. IT IS FURTHER UNDERSTOOD AND AGREED BY THE PARTIES HERETO THAT THIS LEASE SHALL NOT BE ASSIGNABLE OR TRANSFERRED TO ANY OTHER PERSON, FIRM OR CORPORATIONS BY THE PARTY OF THE SECOND PART, BUT SHALL REMAIN IN THE HANDS OF THE PARTY OF THE SECOND PART ONLY, UNLESS SAID TRANSFER IS GIVEN IN WRITING BY THE PARTIES OF THE FIRST PART AND SIGNED AND SEALED BY THEM ONLY BEFORE SOMEONE AUTHORIZED TO TAKE ACKNOWLEDGEMENTS.

IN TESTIMONY WHEREOF, THE SAID PARTIES OF THE FIRST PART HAVE HEREUNTO SET THEIR HANDS AND SEALS THIS THE 16TH DAY OF NOVEMBER, 1955.

/s/ W. M. LINGERFELT (SEAL)

HER
/s/ FLORENCE X LINGERFELT (SEAL)
MARK

NORTH CAROLINA_____GASTON COUNTY

I,_____, CLAUDE B. WOLTZ, NOTARY PUBLIC, DO HEREBY CERTIFY THAT W. M. LINGERFELT AND WIFE, FLORENCE E. LINGERFELT, PERSONALLY APPEARED BEFORE ME THIS DAY AND ACKNOWLEDGED THE DUE EXECUTION OF THE ANNEXED LEASE FOR THE PURPOSE THEREIN EXPRESSED.

WITNESS MY HAND AND NOTARIAL SEAL THIS THE 16TH DAY OF NOVEMBER, 1955.

CLAUDE B. WOLTZ
NOTARY PUBLIC

MY COM. EXP: MARCH 26, 1957

RECEIVED
MAR - 5 1956

MINING AND PROSPECTING CONTRACT

GASTON COUNTY, NORTH CAROLINA

THIS AGREEMENT MADE AND ENTERED INTO THIS THE SECOND DAY OF FEBRUARY, 1956, BY AND BETWEEN DANIEL J. RHYNE, OWNER OF A CONTRACT AND LEASE MADE THE SIXTEENTH DAY OF NOVEMBER, 1955, BY W. M. LINGERFELT AND WIFE FLORENCE E. LINGERFELT, LESSORS, OF GASTON COUNTY, NORTH CAROLINA. LEASE BEING RECORDED IN THE OFFICE OF REGISTER OF DEEDS FOR GASTON COUNTY, GASTONIA, NORTH CAROLINA. REGISTERED IN BOOK 666, PAGE 246.

THIS LEASE IS ON A FIFTEEN ACRE TRACT OF LAND OWNED BY SAID LINGERFELTS.

THE SAID DANIEL J. RHYNE, LESSOR OF FIRST PART, AGREES WITH WILLIAM L. KINCAID, LAWRENCE DIXON AND MERVIN RATCHFORD, OF GASTON COUNTY, NORTH CAROLINA. THE SAID PARTIES OF SECOND PART AGREE TO PROSPECT AND FURNISH ALL MONEY AND MACHINERY AND LABOR FOR PROSPECTING AND MINE, AND TO HAUL ALL MINERALS TO SOURCE OF SALE. THE PARTIES OF THE SECOND PART AGREE TO FULFILL TERMS STATED ON SAID LEASE, PAYING FOR CLOSING OR FILLING HOLES THEY DIG IN CASE THERE IS NO MINING, BUT IF MINE IS SUCCESSFUL THEY ARE TO HAVE A FULL TERM OR UNTIL NOVEMBER 16, 1957, TO MINE AND SELL MINERALS FOUND.

IT IS AGREED THAT THE PARTIES OF SECOND PART SHALL HAVE THREE FORTHS, (3/4), OF ALL PROCEEDS OR MINERALS OR MONEYS DERIVED FROM SALE OF MINERALS. BUT THEY AGREE TO PAY TO THE LINGERFELT'S TEN PER CENT, (10%), OF ALLMINERALS SOLD, AND DANIEL J. RHYNE, LESSOR, IS TO BE PAID ONE FORTH, (1/4), OF ALL PROCEEDS AND HE IS TO PAY THE LINGERFELTS TEN PER CENT, (10%), OF HIS FORTH.

IN SUMMARY, THERE IS ONLY NINETY PER CENT, (90%), TO BE DIVIDED EQUALLY FOUR WAYS. TEN PER CENT, (10%), OF THE TOTAL PROFITS OR PROCEEDS IS TO BE PAID TO W. M. LINGERFELT, AND THE REMAINING NINETY PER CENT, (90%), IS TO BE DIVIDED EQUALLY FOUR WAYS.

ONE/FORTH TO DANIELJ. RHYNE
ONE/FORTH TO WILLIAM I. KINCAID
ONE/FORTH TO LAWRENCE DIXON
ONE/FORTH TO MERVIN RATCHFORD

SIGNED DAN RHYNE
SIGNED W. I. KINCAID
SIGNED LAWRENCE T. DIXON
SIGNED MERVIN RATCHFORD

DAVIS AND WHITE
ATTORNEYS AND COUNSELLORS AT LAW
KINGS MOUNTAIN, N. C.

TELE NO 230

J. R DAVIS
JACK H. WHITE

MARCH 3, 1956

RECEIVED
MAR - 6 1956

MR. ROBERT A. LAURENCE
EXECUTIVE OFFICER, DMEA
FIELD TEAM, REGION V
UNITED STATES DEPT. OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
KNOXVILLE 2, TENNESSEE

DEAR MR. LAURENCE:

I AM IN RECEIPT OF YOUR LETTER OF MARCH 1, 1956, WITH REFERENCE TO THE BESSEMER CITY MICA MINE PROJECT, AND AS REQUESTED BY YOU I HAVE HAD MR. AND MRS. LINGERFELT TO SIGN SEVEN COPIES OF THE CONSENT TO LIEN; AND I AM ENCLOSING 6 HEREWITH. ALSO, I AM ENCLOSING A SKETCH OF THE TRACT OF LAND, INDICATING THE PLACE WHERE THE BESSEMER CITY MICA COMPANY PROPOSES TO SINK A SHAFT AND TO CARRY ON THEIR MINING OPERATION FOR MICA; AND, ALSO SHOWING THE POINT WHERE MR. CROWDER FORMERLY ATTEMPTED TO SINK A SHAFT BUT ABANDONED THE PROJECT. THE BESSEMER CITY MICA MINE IS NOT ON THE SAME VEIN OF MR. CROWDER'S MINE, AND IS ABOUT 100 YEARS SOUTH FROM CROWDER'S MINE AS SHOWN ON THE PLAT ATTACHED HERETO.

RECEIVED
MAR 5 - 1956
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

YOURS TRULY,

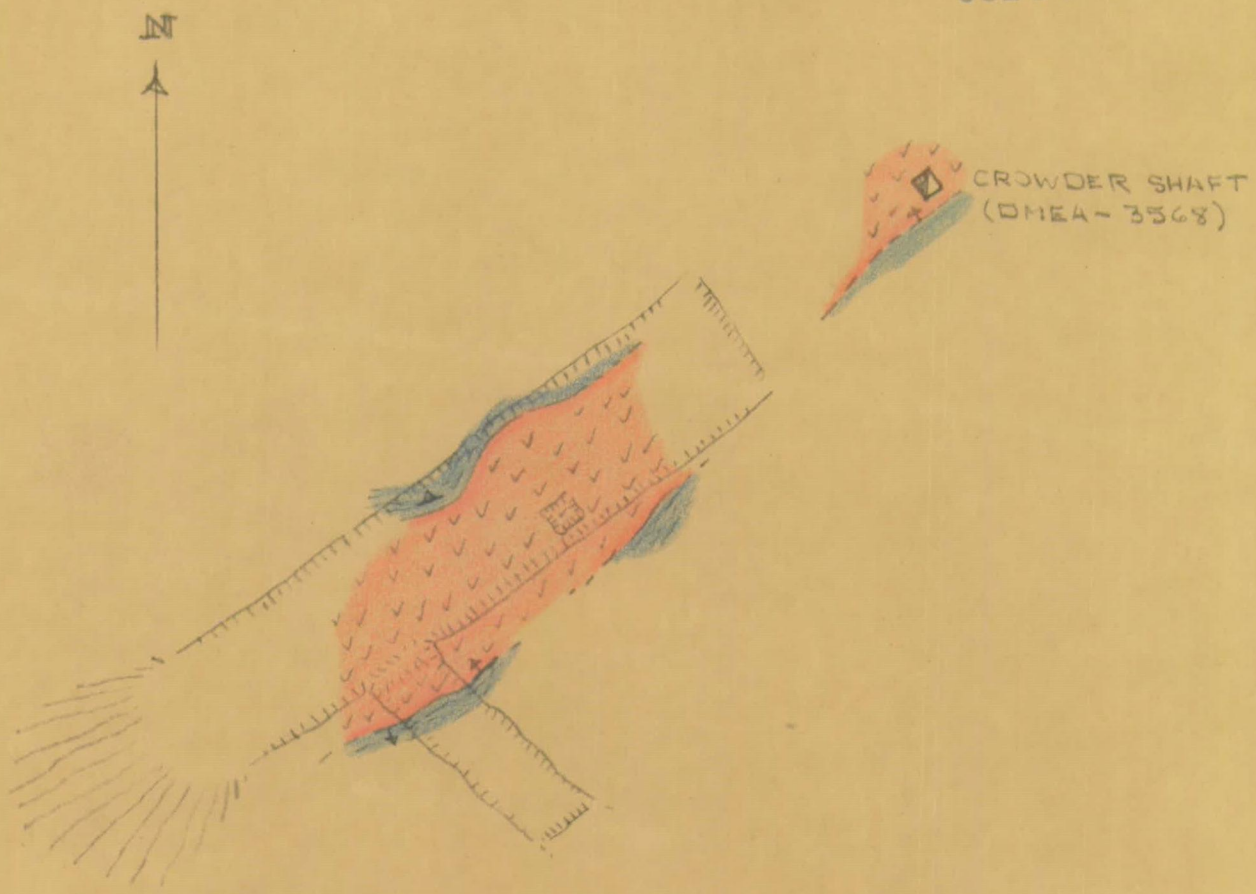
DAVIS AND WHITE

J. R. DAVIS

J. R. DAVIS

JRD:JC
ENCLS.

RECEIVED
JUL 30 1956



LEGEND

- PEGMATITE
- MICA GNEISS
- BULLDOZER CUT
- SHAFT

LINGERFELDT PROPERTY

GASTON COUNTY, NORTH CAROLINA

DMEA - 4204

SCALE: 1" = 40'

7/56