DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 4231

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	3/30/56
To:	MR. HOPKINS	Date	3/30/56
To:	Ogus/Cam	Date	8-15-56
To:	F.E. Johnson	Date	8-15-56
To:	[illegible]	Date	8-15-56
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DO NOT DETACH

CONTROLLED DOCUMENT

Denial letter to Hopkins

Memorandum — Detail: — Dep. Report

To: Administrator

From: A. T. Hawk, Chief

Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1 Docket No. DMEA 4231-Nice

Property: Tom Singleton Mine

Avery County, North Carolina

Applicant: Robert L. McKinney

Box 10 Plumtree, North Carolina

Application: Dated March 28, 1956

No Proposed of work made. Examination made without field referral

No Contract. Application denied

2 Comments:

A flat lying doubly dipping mica quartz rich pegmatite is exposed in a 12-foot deep bulldozer cut and an adit 38 feet in length driven on the strike

The pegmatite shows evidence of some kaolin

late and post-pegmatite movements and is abruptly truncated to the south by a steep inclined fault. The pegmatite is limited in size and its contained mica is entirely scrap quality.

Because of the poor quality of the mica and the very limited size of the pegmatite, the field team recommended that the application be denied.

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

Docket Copy
Surname:

Hal
Nelson
Kamb
Selfridge
A Johnson

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

AUG 16 1956

Mr. Robert Lee McKinney
Box 10
Plumtree, North Carolina

Re: Docket No. DMEA-4231 - Mica
Robert Lee McKinney
Tom Singleton Mine
Avery County, North Carolina

Dear Mr. McKinney:

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

JHopkins:gad 8/14/56
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

August 14, 1956

Memorandum

To: Mr. C. O. Mittendorf, Administrator

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

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1. Docket No. DMEA-4231 - Mica
Property: Tom Singleton Mine
Avery County, North Carolina
Applicant: Robert L. McKinney
Box 10
Plumtree, North Carolina
Application: Dated March 23, 1956
No proposal of work made. Examination made without field referral.
No contract - application denied.

2. Comments:

A flat lying, doubly dipping mica quartz rich pegmatite is exposed in a 12-foot deep bulldozer cut and an adit 38 feet in length driven on the strike.

The pegmatite shows evidence of considerable late and post-pegmatite movements and is abruptly truncated to the south by a steep inclined fault. The pegmatite is limited in size and its contained mica is entirely scrap quality.

Because of the poor quality of the mica and the very limited size of the pegmatite, the Field Team recommended that the application be denied.

The Nonmetallic Minerals Division and the Commodity Divisions of the Geological Survey and the 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 9, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4231 (mica)

Applicant: R. L. McKinney

Name and Location of Property: Tom Singleton Mine, Avery 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 denial of application.

Comments:

1. Only scrap mica was observed in the pegmatite.

2. The pegmatite is abruptly truncated to the south by a steeply inclined fault.

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 3, 1956

Re: DMEA 4231
Robert L. McKinney
Tom Singleton Mine
Avery Co., N. C.
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 doing an unstated amount of work on (presumedly) a pegmatite concerning which no information was given.

The examiners found work had been done on a flatly dipping pegmatite which occupies the crest of a minor roll in mica gneiss. A 38-foot adit follows the 3- to 5-foot pegmatite to a point where it is cut off by a fault. Little or no strategic mica had been recovered, but about 50 pounds of scrap mica in books up to 6 inches in diameter had been saved.

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

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

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 - Lewis 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
Executive Officer

V. J. Lynch
Member, Bureau of Mines

RAL/mg
Enclosures 4
cc - Operating Committee (3)
Mr. V. J. Lynch
Mr. L. E. Shirley
Files

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT

On

DMEA-4231, TOM SINGLETON MINE
Avery County, N. C.
(mica)

By

S. C. Bergman, Geologist
Geological Survey

and

A. L. Peyton, Mining Engineer
Bureau of Mines

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

July 24, 1956

FIELD EXAMINATION REPORT

On

DMEA-4231, TOM SINGLETON MINE (mica)
Avery County, N. C.

Applicant: Robert L. McKinney, P.O. Box 10, Plumtree, North Carolina

Summary:

A flat double dipping, north-south trending pegmatite, 3 to 5 feet thick is exposed in the side of a 12-foot deep bulldozed trench. The structure shows evidence of considerable late and post pegmatite movements and is abruptly truncated to the south by a steeply inclined fault. The pegmatite is limited in size and its contained mica is entirely scrap quality. On this basis, the Examiners recommend that the application be denied.

Location:

The pegmatite is located on the west slope of Buck Hill at approximately 3450 foot elevation and about 500 feet upslope from the Pancake Mine (DMEA-3418). It is 1.04 airline miles S 55° E from the center of Plumtree, Avery County, North Carolina and is on the Newland, N.C. Quad. TVA. Ed.1934 (1/24,000).

Introduction:

The Applicant, Robert L. McKinney accompanied the examiners on the examination which required about 1 hour, April 11, 1956. The property can be reached in good weather by about 1/2 mile of jeep road from the nearest gravel road. No equipment, supplies or buildings are at the mine.

Geology:

A flat lying, doubly dipping mica quartz rich pegmatite is exposed in cross-section in a 12-foot deep N 80° E trending bulldozer cut and followed along its axis by 38 feet of adit. The structure trends roughly N 10°, dips 10 to 35° northwest and southeast, and is from 3 to 5 feet thick.

The structure seems to pinch down dip in both direction. It is abruptly truncated at its southerly end by a normal fault which trends N 68° E and dips 60° southeast. There is considerable evidence of late and post pegmatite movements, which have bent and contorted the different mineralogic elements including the mica, as well as the pegmatite margins. Locally the small books of muscovite present are well oriented with the various directions of indicated stress. The structure is conformably enclosed in a soft weathered migmatitic mica gneiss. There is from 2 to 6 inches of phlogopite-biotite schist on the contacts. About 40 to 60% of the structure is sugary recrystallized quartz, the rest being composed of plagioclase feldspar and green wedge "A" muscovite which is badly bent and ruled. Approximately 50-lbs of scrap mica has been recovered by the applicant in books up to 6-inches in diameter.

Conclusions:

The extremely poor quality of the contained muscovite and the very limited size of the structure leads the examiners to recommend denial of this application.

July 24, 1956.

S. C. Bergman, Geologist
Geological Survey

A. B. Peyton, Mining Engineer
Bureau of Mines

DOCKET COPY
Surname:

Hopkins
Houk
Mitchenson

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

APR 10 1956

Mr. Robert Lee McKinney
Box 10
Plumtree, North Carolina

Re: Docket No. DMEA-4231-Mica
Robert Lee McKinney
Tom Singleton Mine
Avery County, North Carolina

Dear Mr. McKinney:

Reference is made to your application for exploration assistance dated March 23, 1956 on the subject property.

Before your application can be processed by this office, it will be necessary for you to furnish more definite information under items #5(b) and #6 of the application form. Please send us the details and a sketch or map of your proposed plan to explore the property and include a detailed estimate of the costs of the proposed work.

Upon receipt of this information, we will continue to process your application.

A copy of application form No. 103 is enclosed in event you need it as a guide for your reply.

Sincerely yours,

SIGNED

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Enclosure

JHopkins:ms 4/10/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File

R.G.S.

IN REPLY REFER TO:

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

RECEIVED
APR 3 - 1956

April 2, 1956

Re: DMEA 4231
Robert L. McKinney
Tom Singleton Mine
Avery County, N. C.
Mica

Memorandum

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

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

Subject: Review of application

No work program is outlined, no estimate of cost made, no information concerning the prospect furnished.

Referral to the Field Team for appropriate treatment is recommended.

N. E. Nelson

N. E. Nelson

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

RECEIVED
APR 3 - 1956

April 2, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4231 (mica)

Applicant: R. L. McKinney

Name and Location of Property: Tom Singleton Mine

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 3/30/56

Comments:

1. The application, as submitted by the applicant, is inadequate to determine the location of the property, geologic features, proposed exploration, or amount desired to conduct exploration.

2. It is suggested applicant be requested to submit more detailed information regarding an exploration plan.

Recommendation:

It is recommended that the applicant furnish additional information as to location of prospect, justification for exploration, and plan and cost of project.

W. F. Dietrich

W. F. Dietrich

March 30, 1956
Subject: DMEA-4231
Re: Exploration Assistance
Tom Singleton Mine

Mr. Robert Lee McKinney
Box 10
Plumtree, North Carolina

My dear Mr. McKinney:

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

Your application has been assigned Docket Number DMEA-4231 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 30, 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 - 4231 Robert Lee McKinney

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.

March 28, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Application from - Robert Lee McKinney, Plumtree, N. C.
Tom Singleton Mine, Avery County, N. C. (mica)

Enclosed are three copies of the subject application as received from the applicant today. We are keeping the fourth copy for our files.

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

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

RECEIVED

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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-4231
Metal or Mineral Mica
Date Received 3-30-56
Estimated Cost $ no amount given
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: Robert Lee McKinney,
Box 10, Plumtree, N.C.

RECEIVED
MAR 28 1956
U. S. Geologic Division
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.

(*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 Land Owner

(*b*) State any mine name by which the property is known. Tom Singleton Mine,

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

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

(*e*) If you own the land, describe any liens or encumbrances on it None

(*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. Accessable by Jeep

(*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. About two miles from U S L9 E Plumtree, N.C.

(*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.

No power, Abundant water,

16—66551-1

RECEIVED
MAR 30 1956

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 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.

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? Labor.

☐ 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 March 23, 1956., 195...

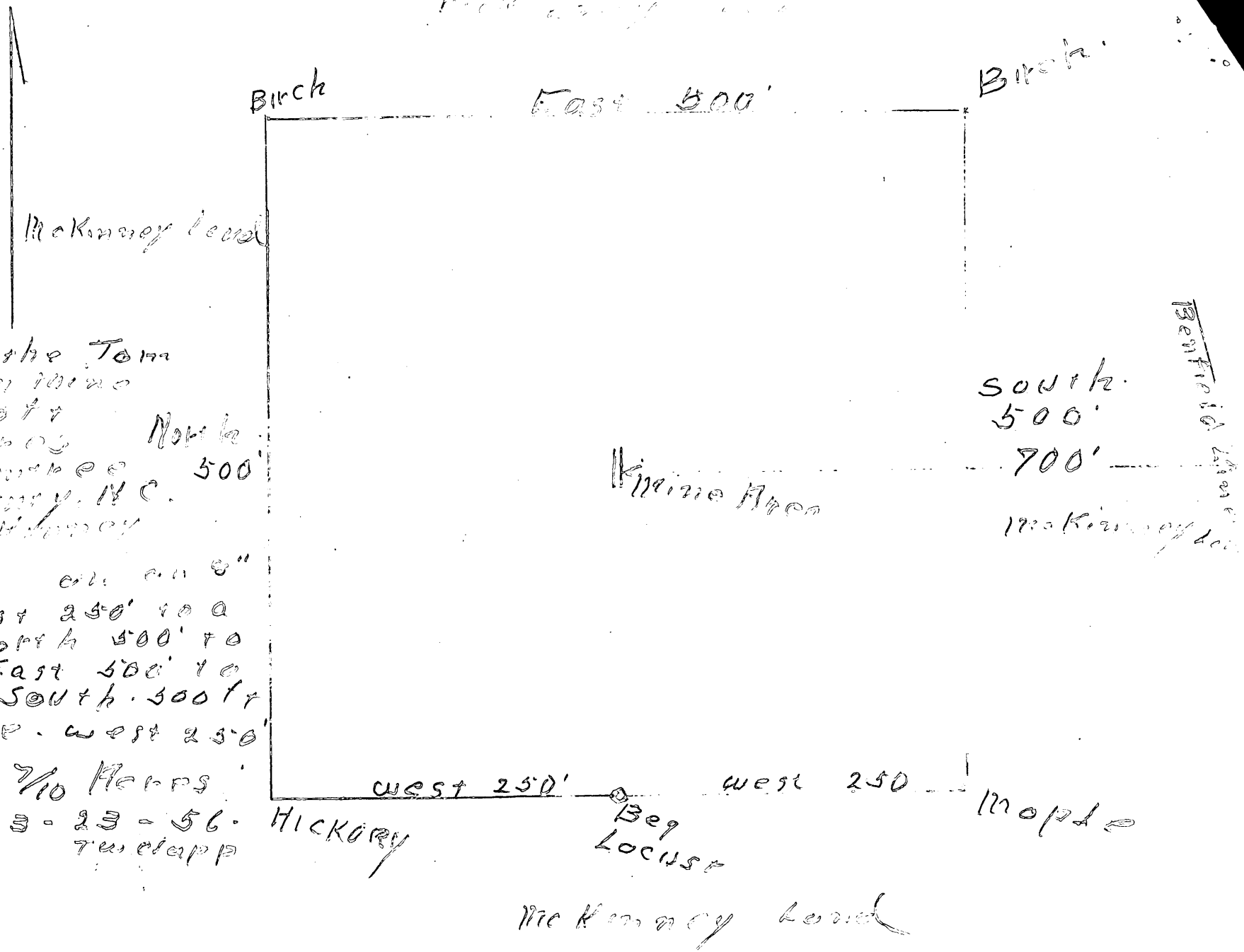
Robert Lee McCumsey
(Applicant)

By.....

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

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

Plat for the Tom Singleton home
Inch's north
5 7/10 Acres
Near Plummer
Avery County, N.C.
R. L. McKinney
Beginning on an 8"
Locust. west 250' to a
Hickory. North 500' to
a Birch. East 500' to
a Birch. South 500' to
to a Maple. west 250'
to Beg. 5 7/10 Acres
Plotted 3-23-56.
Twelapp



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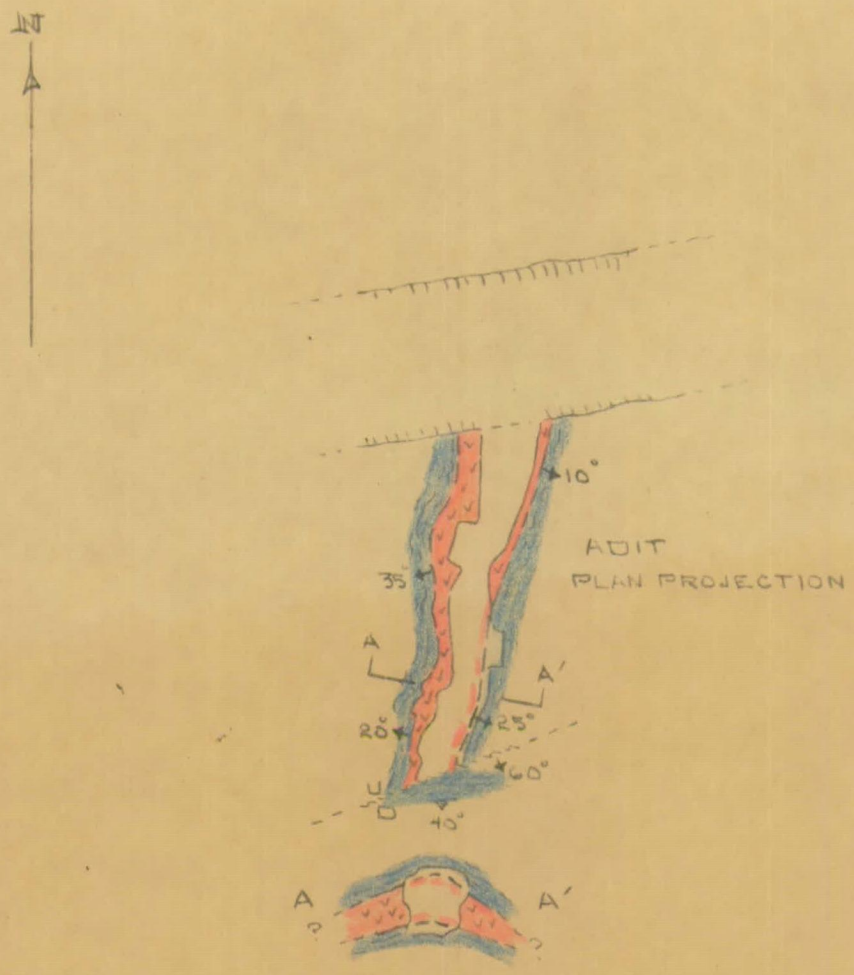
JUL 30 1956



TOM SINGLETON MINE

AVERY COUNTY, NORTH CAROLINA

DMEA - 4231 (MICA)

LEGEND

- PEGMATITE
- MICA GNEISS AND SCHIST
- BULLDOZER CUT

SCALE: 1" = 20'

7/56