DMEA Form 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA Docket No. 4555

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To:	600	Date	11/28/56
To:	Mr. Anderson	Date	11-28-56
To:	Oper Com	Date	12-7-56
To:	F.E. Johnson	Date	12-7-56
To:	Code 130	Date	2-14-57
To:	110	Date	2-15-57
To:	100	Date	2-15-57
To:	225	Date	2-15-57
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DMEA Form 7
(12-56)

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Date	Surname	Code
2/14	Anderson	600
2/14	Hoff	600
2/15	Selbrudge	130
"	Johnson	110
"	Mittendorf	100
2/18	Lamb	220

600

FEB 15 1957

Mr. W. G. Geouge, Jr.
P. O. Box 303
St. Albans, West Virginia

Re: Docket No. DMEA-4555-Mica
W. G. Geouge, Jr.
North Field Mica Prospect
Mitchell County, North Carolina

Kilsgaard

Dear Mr. Geouge:

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 (fw)

Administrator

WCAnderson:gad 2/7/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

February 14, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

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

Subject: Evaluation of Application and Examination Report
Docket No. DMEA-4555-Mica
W. G. Geouge, Jr.
North Field Mica Prospect
Mitchell County, North Carolina

Denial of application is recommended.

Mica: Fine scraps present in soil, which is characteristic of soils in the Spruce Pine area.

Pegmatite: No continuous pegmatite, only random small pieces of fine grain, quartz-deficient pegmatite float.

Old workings: None.

Past production: None.

Method of exploration: The applicant proposed to sink 80 feet of shaft and drive 200 feet of drifts.

Amount requested: $6,719.60.

Recommendation: The Field Team could not justify an exploration project because of the complete lack of geologic criteria, and therefore recommended denial. The Nonmetallic Minerals Division and the commodity members of the Bureau of Mines and the Geological Survey concur.

Walter C. Anderson
Walter C. Anderson
Nonmetallic Minerals Division

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

February 12, 1957

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4555 (mica)

Applicant: W. G. Geouge, Jr.

Name and Location of Property: North Field Mica Prospect, Mitchell County, North Carolina

Date of Field Team Report: 2/4/57

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 2/7/57

Field Team Recommendation: Recommend denial of the application.

Comments:

1. Although there was reported to be extensive old adit and shaft work, the field team saw little evidence to confirm these reports.

2. There is no outcrop, or other criteria present to justify an exploration program.

Recommendation:

I concur with the recommendation of the field team that the application be denied.

W. F. Dietrich

W. F. Dietrich

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

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DMEA
RECEIVED FEB 8 1957

DATE	INITIALS	CODE
2-8	C	220
2/11	Houk	600

February 7, 1957

Re: DMEA 4555
W. G. Geouge, Jr.
North Field Mica Prospect
Mitchell County, N. C.
$6,719.60 - 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 3½-4 foot pegmatite.

The examiners found a line of dumps on a hillside which imply work may have been done on a pegmatite but such is not a certainty as the dumps show little pegmatitic material.

Lacking exposures the examiners could not judge the pegmatite and properly recommend denial of the application. If and when exposures are made the examiners are ready to make another examination.

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

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
WASHINGTON 25, D. C.
KNOXVILLE 2, TENNESSEE

February 4, 1957

Memorandum

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

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

Subject: Field Examination Report - DMEA-4555 - Mica
W. G. Geouge, Jr., Box 303, St. Albans, West Virginia
North Field Mica Prospect, Mitchell County, N. C.

Transmitted are four copies of the subject report. The Field Team agrees with the field examiners' recommendation of denial of the application.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 4

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RECEIVED FEB 6 1957

DATE	INITIALS	CODE
2-6	C	220
		130
2/11	C	220
2/11	AWA	600

Reviewed by
DMEA OPERATING COMMITTEE
2-8-57
(date)

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RECEIVED FEB 6 1957

DATE	INITIALS	CODE
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		220

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

On

DMEA-4555 (mica) NORTH FIELD MICA PROSPECT
Mitchell County, North Carolina

By

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

and

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

February 1, 1957

Reviewed by
DMEA OPERATING COMMITTEE
2-8-57
(date)

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DMEA
RECEIVED FEB 6 1957

DATE	INITIALS	CODE

FIELD EXAMINATION REPORT

ON

DMEA-4555 (mica) NORTH FIELD MICA PROSPECT

Applicant: W. G. Geouge, Jr., P. O. Box 303, St. Albans, West Virginia

Summary

A series of shallow rounded depressions and low earthy mounds (dump remnants) running for about 200 feet obliquely up a hillside is the only evidence of previous prospecting efforts. There is no outcrop and very little evidence on the dumps of a comprehensive pegmatite structure or of commercial muscovite. The complete absence of any exposed criteria on which to justify an exploration program forces the examiners to recommend denial of the application.

Introduction

Location

The prospect occurs near the base of Gouge Knob, 0.45 airline miles S. 48° E. of Bandana, Mitchell County, North Carolina. (Micaville, N.C. Quad. TVA Ed. 1934, 1:24,000)

Examination

This prospect was visited on January 8, 1957, on an examination which lasted about one hour. The examiners were accompanied by Mr. W. G. Gouge, Sr. and Mr. D. J. Gouge. There is reported extensive old adit and shaft work along the series of excavations, but very little dump material was seen to confirm these reports. The series of excavations trends N. 60° W. obliquely up a moderately steep hillside. No improvements of any sort are present at the site.

Geology

No continuous pegmatite could be traced from the intermittent dump material. In fact, very little evidence of pegmatite material was seen. Only random small pieces of fine grain, quartz-deficient pegmatite float and fine scraps of muscovite were present in the soil. The amount and condition of pegmatitic material present are characteristic of soils in large parts of the Spruce Pine area.

Conclusions and Recommendations

There is almost a complete lack of criteria present on which to justify and base an exploration program. It is recommended that the application be denied. If the applicant wishes to do some excavation work to expose the potential and reapply for DMEA assistance, the examiners are in a position to reexamine the site without much difficulty. The area is easily accessible and the area is visited regularly.

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

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

Docket Copy
Surname:
Anderson
Houk
Lamb
Nelson
Selfridge
Fleischman

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

DEC 7 1956

Mr. W. G. Geouge, Jr.
P. O. Box 303
St. Albans, West Virginia

Re: Docket No. DMEA-4555-Mica
W. G. Geouge, Jr.
North Field Mica Prospect
Mitchell County, North Carolina

Dear Mr. Geouge:

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

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

P.C.G.

Docket Copy
Surname:
Anderson
Houk
Lamb
Selfridge
Johnson

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

DEC - 7 1956

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

Re: Docket No. DMEA-4555-Mica
W. G. Geouge, Jr.
North Field Mica Prospect
Mitchell County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda dated November 30 and December 4, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Approved:

Frank D. Lamb (GCS)
Member, Bureau of Mines

N. E. Nelson (GCS)
Member, Geological Survey

Enclosures 4

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

RCS.

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

A

December 4, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4555 (mica)

Applicant: W. G. Geouge, Jr.

Name and Location of Property: North Field Mica Mine, Mitchell County, North Carolina

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/28/56

Comments:

1. This prospect is an old mine worked to an unknown extent prior to 1927 according to the applicant.

2. Applicant states there is evidence of strategic quality mica in a pegmatite crossing his property.

3. Exploration proposed by applicants is consistent with local practices and in line with unit-cost estimates for other DMEA projects.

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 DEC 4 1956 D.M.E.A.

November 30, 1956

Re: DMEA 4555
W. G. Geouge
North Field Mica Mine
Mitchell Co., N. C.
$6,719.60 - Mica

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring a 3½-4 foot pegmatite by bulldozing, shaft sinking and drifting. Old time hand work is said to have produced some mica.

This applicant proposes to do 80 feet of shaft sinking and 200 feet of drifting at a cost of $6,404.60 whereas Phillips (4554) estimates 60 feet of shaft (extension) and 150 feet of drift will cost $9,600.00.

Referral of the application to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

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

November 28, 1956

Mr. W. G. Gouge, Jr.
P. O. Box 303
St. Albans, W. V.

Subject: DMEA-4555

Your application for exploration assistance, dated November 21, 1956 submitted to our office at Knoxville, has been assigned Docket Number DMEA-4555 and referred to the Nonmetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

(Sgd) Allen S. Dakan
Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region V. Knoxville, Tennessee

Code 600

6416

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1025 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

November 26, 1956

RECEIVED
NOV 28 1956
D.M.E.A.

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Application from W. G. Geouge, Jr. P.O. Box 303, St. Albans, W. Virginia. North Field Mica Mine, Mitchell County, N.C.

Transmitted are 3 copies of the subject application. The fourth copy is being retained by this office.

V. J. Lynch

V. J. Lynch

A DESCRIPTION OF THE (5) ACRE TRACT OF W.G. GEOUGE, Jr. LAND AS CUT OFF FROM ORIGINAL (14) ACRE TRACT AND TO BE CONSIDERED AS PART OF APPLICATION SUBMITTED HEREWITH.

Beginning at the old Sourwood Corner, a cor- between W.G. Geouge, Jr. and Etta Grindstaff, and runs North, 29° West 400 feet to a Poplar corner; thence South 62 ° West, 470 feet and 6 inches to a Poplar corner, a corner in the Ralph Jarret line; thence with said Jarrett line South 14° West, 148 feet and 6 inches to the Double Locust corner; thence South 14° East, 340 feet to a new stake corner; thence North 54° East, 645 feet to the beginning corner.

Containing (5) acres. (see map attached)

Note: For a full detailed description of the (14) acre original tract from which the above (5) acres was cut off, see attached map and also Deed dated May 1st, 1954 as recorded in the office of the Register of Deeds for Mitchell County, North Carolina, in Book # 116, Page # 447.

RECEIVED
NOV 28 1956

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
D.M.E.A.

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. 4555
Metal or Mineral Mica
Date Received 11-28-56
Estimated Cost $6719.60
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: W.G. Gouge, Jr. (Individual)
P.O. Box 303
St. Albans, West Virginia.

RECEIVED
NOV 26 1956
U. S. Geological Survey
College Station
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

(see attached sheet for description of land)

(*b*) State any mine name by which the property is known. "North Field Mica Prospect"

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

(*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. 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 sheets.

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

(*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. do

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

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

5. *The exploration project.*—(a) State the mineral or minerals for which you wish to explore ..... 100 .....

(*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 sheets

(*c*) The work will start within ...30... days and be completed within ...4... months from the date of an exploration project contract.

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

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

(*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.). do

(*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. see attached sheets

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

(*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. do

(*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. do

(*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. do

(*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. do

(*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? see attached sheets

[X] Money [ ] Use of equipment owned by you [X] 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 November 1st, 195 6

W. G. George Jr
(Applicant)

By P. O. Box 808,

St. Idaho, Cont Virginia.

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

Re: GEOUGE, W.G. Jr.
P.O. Box 303,
St. Albans, W. Va.

('North Field Mica Mine'
) Mitchell County, N.C.

RECEIVED
NOV 23 1956
D.M.E.A.

SUPPLEMENT SHEET No.1.
-re-
FORM MF-103, (Revised)

Sect. 4-(a) Physical Description Of Property.

The mica property which shall hereinafter be referred to as the 'North Field Mica Mine', is located on the property of the applicant, W.G. Geouge, Jr. being in Snow Creek Township, Mitchell County, State of North Carolina, about ½ mile South of the Bandana,N.C. postoffice reached over a gravel road leading off N.C. State highway # 80, directly across from the postoffice building at Bandana.

There is no current operation going on at site of proposed mining site. The last known work was done about 1925 to 1927. The present known and observed old works consists of several old caved shallow shafts and tunnels that are scattered along the run of the main pegmatite body which crosses the property of the applicant in a NE-SW course. The intrest of the applicant is that of the owner who has good reasons to beleive that this property has a large quanity of high grade ruby mica that can be recoverdd by developing the property by means of modern mining equipment. The proposed mining site is readily acessible for inspection by using the road direction as given above.

Sect. 4-(b) Past and Current Production Data.

As above stated in Sect.4-(a), there is no current production of this property it having layed idle since about 1927 and the applicant having aquired the property in 1954. The past production data is uncertain and varied, however, it is known to be a fact that xxx some high grade ruby mica has been recovered from the property during some of the past operations. It has been verified by neighbors living nearby the property that books of ruby mica (one book being about 12" X 14") was recovered by one of the old miners.

Sect. 4-(c) Geologic Data Of Property.

The main pegmatite body crosses the property on a course that will run roughly a Northeast-Southwest.xx The width of the body between the slate binders is said to be 3½ to 4 feet. Both slates are said to be exposed in the caved tunnels. Due to the caved condition of the old works,mineralization contents of body are dependent mostly on observation of the old dumps which contain a mixture of feldspar, quartz, granite, rich mica rock and slate . Some small books of mica are present but badly weathered. The mica would appear to be of good grade. The dip of the body is to the South at about 30°. From all indications of past mining operations it would appear that large quanities of mica could be recovered if the property was properly developed by means of modern mining mavhinery and methods.

Re: GEOUGE, W.G. Jr.
P.O. Box 303,
St. Albans, W. Va.

(North Field Mica Mine
(Mitchell County, N.C.

SUPPLEMENT SHEET No.2.
-re-
FORM MF-103, (Revised)

Sect. 4-(d) Accessibility, Shipping Points, Supply Points, ects.

The site of the proposed exploratory project is easily reached by following road directions as outlined previously in Sect. 4-(a). Take N.C. Highway # 26 either North from Spruce Pine, N.C. or South from Bakersville, N.C. to intersection of the Mine Creek road about 3½ miles South of Bakersville. Go west on Mine Creek road about 2 miles to intersection with N.C. highway # 80. Take # 80 South about 3 miles to the Bandana, N.C. postoffice. Turn left in front of post office on gravel road about ½ mile to proposed mining site. The nearest railway station is Kona, N.C. about 5 miles from site. The nearest supply point for mining equipment is Spruce Pine, N.C. which is some 13 miles from the mining site. The nearest residence to site is some 800 feet away.

Sect.4-(e) . Man Power, Supplies, Water & Power.

Fully experienced miners are available in immeadite vicinity of the proposed mining project. Ample materials, supplies and equipment necessary to carry out the project are available at Spruce Pine N.C. and other nearby points. An electric power line is located about 800 feet from the project site. Ample water supply is nearby.

Sect. 5-(b) . Proposed Exploratory Work.

At a point some 150 feet SWof the boundry line between W.G. Geouge the applicant and ETTA GRINDSTAFF, and located on the Northeast mendxm of the main pegmatite body, it is proposed that a 5' X 7' shaft be sunk down to a depth of 80 feet with the dip of the pegmatite body. At the 80 foot level of shaft, it is proposed to drive a drift 100 feet each way. (NE&SW) with the stike of the main body. No contact with any of the old works would be made,but both the NE and the SW 100 ft drift would,as proposed, bring the operators under old works where it is reliabally reported large blocks of mica was recovered by the old operators mining by hand method prior to 1927.

Sect. 5-(d) . Mining Qualifications of Workers.

The applicant himself would not personally participate in the mining operation as proposed other than personally supervise all the clerical and financial phases of the project. A competant mine foreman with at least 10 years actual mica mining experience would be employed to supervise actual mining operations. All other men working on the project would be experienced mica miners.

Sect. 6-(b) . Labor, Supervision & Consulsants.

No.	Class	Hr. Rate	Wkly Rate	Mthly Rate	16 Week Period Rate.	640 Wkg Hrs.
(1)	Supervisor	$ 1.75	$ 70.00	$ 280.00	$ 1120.00	" "
(1)	Drill Optr.	1.50	60.00	240.00	960.00	" "
(1)	Hoist Optr.	1.25	50.00	200.00	800.00	" "
(2)	Muckers @ 1.00 ea.	2.00	80.00	320.00	1280.00	" "
(5)	Man Crew-------	$ 6.50	260.00	1050.00	4160. 00	3200

Sect. 6-(c) Operating Materials & Supplies. (Purchase Basis)

Re: GEOUGE, W.G. Jr.
P.O. Box 303,
St. Albans, W. Va.

(North Field Mica Mine
(Mitchell County, N.C.

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SUPPLEMENT SHEET No. 3.
-re-
FORM MF-103, (Revised)

Sect. 6-(c) Operating Materials and Supplies. (Purchase Basis)

Unit.	Items.	No. Units.	Unit Cost.	Period Cost.
Gals.	Gasoline	560	$ 0.24	$ 134.40
Qts.	Motor Oil	160	.20	32.00
Ea.	Line Lubricator	1	25.00	25.00
Lft.	1½" Air line pipe	200	.18	36.00
Lbs.	40% Dynamite	500	.25	125.00
Ea.	6' El Exploders	400	.16	64.00
Lft.	Air Hose	50	.80	40.00
Lft.	Tungsten Drills	24	6.40	153.60
Ea.	El Blasting Box	1	25.00	25.00
Lft.	El Lead Line	100	.10	10.00
Ea.	Metal Mining Bucket	1	6.00	6.00
TOTALS----------				$ 651.00

Sect. 6-(d) . Operating Equipment. (Rental Basis)

Unit	Item	No. Units	Mthly Unit Cost.	Total Cost For Period.
Ea.	105 Compressor	1	$ 150.00	$ 600.00
Ea.	# 10 Jackhammer Drill	1	50.00	200.00
Ea.	1 ton Gas Hoist	1	50.00	200.00
Ea.	Water Pump. 2" Disc.	1	25.00	100.00
Ea.	Mine Jackleg	1	15.00	60.00
Totals----------		(5)------	$ 290.00 ------	$ 1160.00

Sect. 6-(f) . New Buildings--Installations. (Purchase Basis)

Unit	Item	No. Units	Unit Cost	Period Costs
Ea.	Tool House	1	$ 75.00	$ 75.00
Ea.	Powder Magazine	1	25.00	25.00
Ea.	Exploder Magazine	1	15.00	15.00
Totals----------		(3)------	$115.00 ------	$ 115.00

Sect. 6-(g) . Miscellaneous Expenses.

Federal Payroll Taxes @ 2% of Total $ 4160.00 Payroll		$ 83.20
Employers Liability Ins. (5 man Crew)	Estimated at	150.00
Employee's Groupe Ins. (Estimated)----------		200.00
Totals----------		$ 433.20

Sect. 6-(h) . Contingencies.

20 Hours Bulldozer Hire @ $ 10.00 per hour----------$ 200.00
(Pushing off vein and road work)

Sect. 7-(a) Applicant is prepared to furnish the 25% costs of Project.

Re: GEOUGE, W.G. Jr.
P.O. Box 303,
St. Albans, W. Va.

(North Field Mica Mine
(Mitchell County, N.C.

SUPPLEMENT SHEET No. 4.
-re-
FORM MF-103, (Revised)

Sect. 7-(b) Explination of Operators 25% Participation in Project.

The Applicant will furnish 25% of the total costs of the proposed exploratory project, $ 1679.90, by meeting this part of the incurred labor expenses.

Recapitulation Of Estimated Costs Of Project
-----By Units-----

Labor & Supervision.....	16 Week Work Period.....	$ 4160.00
Materials & Supplies.....	16 Week Work Period.....	651.40
Operating Equipment.....	16 Week Work Period.....	1160.00
Buildings & Installations....	16 Week Work Period.....	115.00
Miscellaneous Expenses.....	16 Week Work Period.....	433.20
Contingencies.....	16 Week Work Period	200.00
(6) Units Costs.....	"..."....".....	$ 6719.60

A GENERAL SUMMARY OF PROJECT EXPENSES
AND
THE GOVERNMENT & OPERATORS PARTICIPATION

Total Estimated Costs of Project, (16 Week Period)-----$ 6719.60

Applicants Share Of Above Expenses @ 25% of Costs.-----$ 1679.00

Total Amount of Loan Solicited From Government.--------$ 5039.70

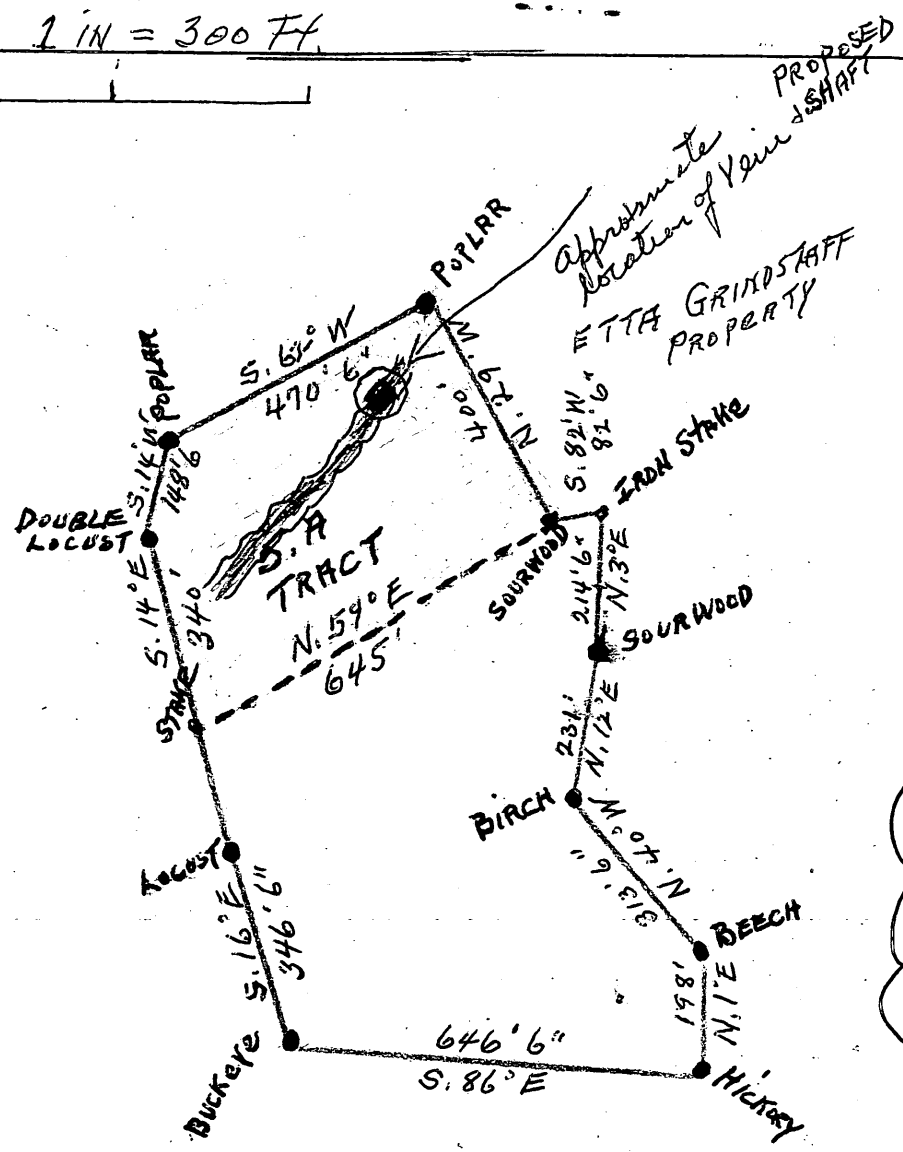
Respectfully Submitted,

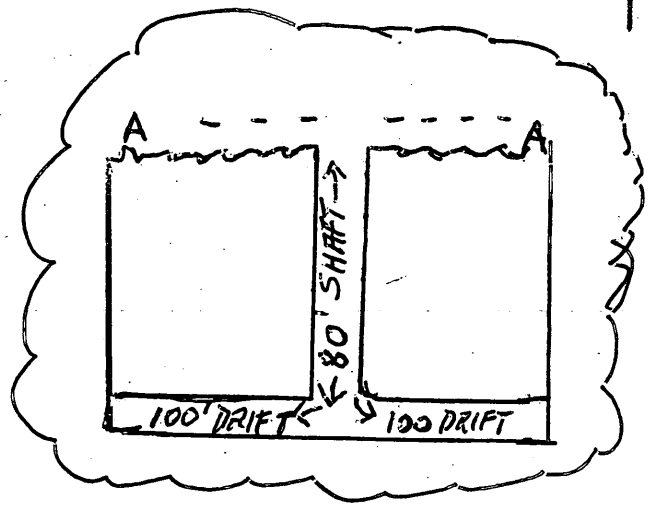
W. G. George Jr

W.G. Geouge, Jr.
P.O. Box 303,
St. Albans, W. Va.

SCALE: 1 IN = 300 FT.

Re: Geouge, W.G. Jr.
P.O. Box 303
St. Albans, [redacted] W. VA.





14 ACRE TRACT

Note: The shaded Area represents the 5 acres cut off 14 acre tract and made a part of the application

PROPERTY OF W.G. GEOUGE, JR.

North Field Mine Project
Bakersville, N.C.

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