DMEA Form 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA Docket No. 4553

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Routing Slip

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
To:		Date	
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DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/14	Anderson	600
2/14	Houk	600
2/11	Selfridge	130
"	Johnson	110
"	Mittendorf	100
		220

600

FEB 18 1957

Mr. W. G. Gouge, Sr.
Route 4, Box 158
Charleston, West Virginia

Re: Docket No. DMEA-4553-Mica
W. G. Gouge, Sr.
Old Luke Mica Mine
Mitchell County, North Carolina

Lamb
Kiilsgaard

Dear Mr. Gouge:

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 (for)

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

Memorandum February 14, 1957

To: Mr. C. O. Mittendorf, Administrator

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

Subject: Evaluation of Application and Field Examination Report
Docket No. DMEA-4553-Mica
W. G. Gouge, Sr.
Old Luke Mica Mine
Mitchell County, North Carolina

Denial of application is recommended.

Mica: Very sparse occurrence of scrap mica, greenish-brown, flat, predominantly mineral stained, and one by two inches and smaller in size.

Pegmatite: Fragmentary exposures over a distance of 150 feet. No contacts exposed, therefore, thickness not known. Consists of a mixture of perthite, occassional oligoclase and quartz, and rare small muscovite.

Old workings: A cut 70 feet by 30 feet.

Past production: None.

Method of exploring: Applicant proposed to sink 80 feet of shaft and drive 150 feet of drifts.

Amount requested: $6,517.20.

Recommendation: Since the two limited exposures show little potential for production of strategic mica and only a few scraps of very small and stained mica were observed and in addition a serious water problem exists, the Field Team recommends 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-4553 (mica)

Applicant: W. G. Gouge, Sr.

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

Date of Field Team Report: 2/1/57

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

Field Team Recommendation: Recommend that the application be denied.

Comments:

1. Two old cuts, one 70 by 30 feet and one 35 feet long, expose only fragmentary portions of pegmatite.
2. A third bulldozer cut made by the applicant revealed no more promising exposures.
3. Geological factors show that this deposit is unlikely to produce any sizable quantities of strategic mica.

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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DMEA
RECEIVED FEB 13 1957

DATE	INITIALS	CODE
2-13	C	220
		600

IN REPLY REFER TO:

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

OFFICIAL FILE COPY
D M E A
RECEIVED FEB 11 1957

DATE	INITIALS	CODE
2/12	C	220
2/13	WCA	600

February 7, 1957

Re: DMEA 4553
W. G. Gouge, Sr.
Old Luke Mica Mine
Mitchell Co., N. C.
$6,519.20 - 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 4-5 foot pegmatite exposed in a creek bottom by recent work and in an old side hill cut.

Only a few scraps of muscovite were seen and it was of inferior quality.

Because of the scarsity of muscovite, the quality and the environment the examiners and the Field Team recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY DMEA RECEIVED FEB 4 1957		
DATE	INITIALS	CODE
2/5	C	220
		130
2/11	C	220
2/12	WDA	600
February 1, 1957		

Memorandum

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

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

Subject: Field Examination Report - DMEA-4553 - Mica
W. G. Gouge, Sr., Route 4, Box 158, Charleston, West Virginia
Old Luke Mica Mine, Mitchell County, North Carolina

Enclosed are four copies of the subject examination report. The Field Team agrees with the recommendation of the examiners that the application be denied.

V. J. Lynch
Acting Executive Officer

Helmuth Wedow, Jr.
Geologist
U. S. Geological Survey

Enclosures 4

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

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DMEA
RECEIVED FEB 4 1957

DATE	INITIALS	CODE
		130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

On

DMEA-4553 (mica) OLD LUKE MICA MINE
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)

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 4 1957

DATE	INITIALS	CODE

FIELD EXAMINATION REPORT

ON

DMEA-4553 (mica) OLD LUKE MICA MINE

Applicant: W. G. Gouge, Sr., Route 4, Box 158, Charleston, West Virginia

Summary

Two shallow excavations have been made on opposite sides of a valley floor exposing small sections of pegmatite with very little indicated potential for the occurrence of strategic muscovite. The prospect exhibits a poor mineralogic environment and although poorly exposed may be part of a very large feldspathic pegmatite. What few scraps of muscovite were seen were very small and predominantly mineral stained. The prospect site is situated in the valley bottom where water influx would be a major problem. The examiners recommend that the application be denied.

Introduction

Location

The prospect site is 0.69 airline miles S. 60° E. of Bandana, Mitchell County, North Carolina. It is in a creek bottom on the northwest slopes of Burns Mountain at an elevation of approximately 2850 feet. The recently examined Dinkyline prospect (DMEA-4497) is about 400 feet southeast of this site.

Examination

The property was examined on January 8, 1957, and again on January 22, 1957, after the applicant had done some additional excavation work. During this recent excavation work the bulldozer became hopelessly mired in the water saturated valley alluvium. The examiners were accompanied on both trips by the applicant, Mr. W. G. Gouge, Sr.

A northeast-southwest trending cut 70' x 30' from the valley floor upslope has been made by persons unknown on the southeast edge of the valley floor. A considerable amount of erratic dump material exists below the excavation. About 150 feet N. 40° E. on the opposite edge of the valley floor is a narrow 35 foot long, north-south trending excavation running upslope. Neither excavation exposes more than fragmentary portions of pegmatite. The two exposures of pegmatite are probably not related to each other. This work was done before local remembrance, so that nothing is known of what commodity was sought. The applicant bulldozed a crosscutting northwest-southeast trending trench across the northeast end of the most southerly exposure. A few more strike-length feet of pegmatite were exposed, but the new exposure only emphasized the generally poor mineralogic environment.

No equipment or buildings were at the site except for a D-6 bulldozer at the time of the return inspection.

Geology

In the bottom of the southwestward of the two excavations a 3 foot thick segment of pegmatite is exposed for about 6 feet along strike. Only the hanging wall contact is exposed, its attitude being N-S, 50° E. The recent bulldozing exposed about 8 more strike length feet of pegmatite a few feet north of the above exposure. The wall rock is a weathered mica gneiss.

About 150 feet N. 40° E. a few fragmentary exposures of pegmatite have been made in limited prospecting operations. No contacts were exposed at this site so that the orientation of the structure could not be seen.

The exposed pegmatite consists of a mixture of perthite, occasional oligoclase and quartz, and rare small muscovite. The few scraps of muscovite seen were green to greenish-brown, flat and predominantly mineral stained. What little muscovite there was, occurred in sizes 1 x 2 inches and smaller.

Conclusions and Recommendations

Two limited exposures of pegmatite in old excavations show little potential for the occurrence of strategic muscovite. The few scraps seen were small and stained. The site itself is in a difficult position as regards water influx. The examiners believe that this application should be denied.

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

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

Docket Copy
Surname:
Anderson
Houk
Selfridge
F Johnson

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

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

DEC 7 1956

Re: Docket No. DMEA-4553-Mica
W. G. Gouge, Sr.
Old Lake Mica Mine
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 29 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

Approved:

Frank D. Lamb
Member, Bureau of Mines

N. E. Nelson
Member, Geological Survey

Enclosures 4

WDAnderson:gad 12/7/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

Docket Copy
Surname:
Anderson
Houk
Laub
Selfridge
Nelson
H Johnson

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

DEC - 7 1956

Mr. W. G. Gouge, Sr.
Route 4, Box 158
Charleston, West Virginia

Re: Docket No. DMEA-4553-Mica
W. G. Gouge, Sr.
Old Lake Mica Mine
Mitchell County, North Carolina

Dear Mr. Gouge:

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. Mitendorf (for)

Administrator

WCAnderson:gad 12/7/56
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

WASHINGTON 25, D. C.

RECEIVED DEC 3 1956 D.M.E.A.

November 30, 1956

A

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: DMEA-4553-Mica. Old Luke Mica Mine, Mitchell County, N.C. W. G. Gouge, Sr. Applicant

The subject application was mailed your office November 26, 1956. The attached 3 sheets (sheet #4) were inadvertently omitted. Please attach these sheets and return to this office our copies of the other sheets of the application.

Robert A. Laurence

Robert A. Laurence

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROWAN POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

RECEIVED DEC 3 1956 DMEA

November 30, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: DMEA-4553-Mica. Old Luke Mica Mine, Mitchell County, N.C. W. G. Couge, Sr. Applicant

The subject application was mailed your office November 26, 1956. The attached 3 sheets (sheet #4) were inadvertently omitted. Please attach these sheets and return to this office our copies of the other sheets of the application.

Robert A. Laurence

zm

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

November 30, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: DMEA-4553-Mica. Old Luke Mica Mine, Mitchell County, N.C. W. G. Gouge, Sr. Applicant

The subject application was mailed your office November 26, 1956. The attached 3 sheets (sheet #4) were inadvertently omitted. Please attach these sheets and return to this office our copies of the other sheets of the application.

Robert A. Laurence

zm

Sheet # 4.

Re: GOUGE, W.G.
Rt. 4. Box 158
Charleston, W. Va.

('Old Luke Mica Mine'
(Mitchell County, N.C.

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

. Applicant will furnish his 25% of the $ 6519.20 total costs of proposed project amounting to $ 1629.80, by meeting that amount of the total $ 4160.00 payroll incurred.

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

Labor & Supervision	16 Week Work Period	$ 4160.00
Materials & Supplies	16 Week Work Period	651.00
Operating Equipment	16 Week Work Period	1160.00
Bldgs & Installations	16 Week Work Period	115.00
Miscellanneous Expenses	16 Week Work Period	433.20
(5) Units Costs	16 Week Work Period	$ 6519.20

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

Total Estimated Costs of Project, (16 Week Period),	$ 6519.20
Applicants Share Of Above Expenses @ 25% Of Costs,	1629.80
Total Amount Of Loan Solicited From Government, 75%-	4889.40

Respectfully Submitted,

W.G. Gouge

W.G. Gouge, Sr.
Rt. 4. Box 158
Charleston, West Virginia.

Sheet # 4.

Re: GOUGE, W.G.
Rt. 4. Box 158
Charleston, W. Va.

('Old Luke Mica Mine'
(Mitchell County, N.C.

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

. Applicant will furnish his 25% of the $ 6519.20 total costs of proposed project amounting to $ 1629.80, by meeting that amount of the total $ 4160.00 payroll incurred.

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

Labor & Supervision	16 Week Work Period	$ 4160.00
Materials & Supplies	16 Week Work Period	6514.00
Operating Equipment	16 Week Work Period	1160.00
Bldgs & Installations	16 Week Work Period	115.00
Miscellanneous Expenses	16 Week Work Period	433.20
(5) Units Costs	16 Week Work Period	$ 6519.20

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

Total Estimated Costs of Project, (16 Week Period),.....$ 6519.20

Applicants Share Of Above Expenses @ 25% Of Costs,..... 1629.80

Total Amount Of Loan Solicited From Government, 75%-..... 4889.40

Respectfully Submitted,

W G Gouge

W.G. Gouge, Sr.
Rt. 4. Box 158
Charleston, West Virginia.

Sheet # 4.

Re: GOUGE, W.G.
Rt. 4. Box 158
Charleston, W. Va.

('Old Luke Mica Mine'
(Mitchell County, N.C.

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

Applicant will furnish his 25% of the $ 6519.20 total costs of proposed project amounting to $ 1629.80, by meeting that amount of the total $ 4160.00 payroll incurred.

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

Labor & Supervision	16 Week Work Period	$ 4160.00
Materials & Supplies	16 Week Work Period	6651.40
Operating Equipment	16 Week Work Period	1160.00
Bldgs & Installations	16 Week Work Period	115.00
Miscellanneous Expenses	16 Week Work Period	433.20
(5) Units Costs	16 Week Work Period	$ 6519.20

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

Total Estimated Costs of Project, (16 Week Period),.....$ 6519.20

Applicants Share Of Above Expenses @ 25% Of Costs,..... 1629.80

Total Amount Of Loan Solicited From Government, 75%-..... 4889.40

Respectfully Submitted,

W.G. Gouge

W.G. Gouge, Sr.
Rt. 4. Box 158
Charleston, West Virginia.

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

A

RECEIVED 1956

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-4553 (mica)

Applicant: W. G. Gouge, Sr.

Name and Location of Property: Old Luke Mica Mine, Mitchell Co., N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 11/27/56

Comments:

1. Applicant states that good quality book mica is visible in pits and old dumps.

2. Applicant states that a considerable amount of good mica was recovered during past operations.

3. Exploration proposed by applicants is consistent with local practices and somewhat under unit-cost estimates for 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

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

IN REPLY REFER TO:

RECEIVED 30 1956 D.M.E.A.

A

November 29, 1956

Re: DMEA 4553
W. G. Gouge, Sr.
Old Luke Mica Mine
Mitchell Co., N. C.
$6,519.20 - 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 4- to 5 foot pegmatite on which, by hand methods, pits have been sunk and from which mica was recovered. The proposed work consists of sinking 80 feet and drifting 150 feet.

Probably the work cannot be done within the estimate of the applicant.

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, Sr.
Rt. #4, Box 158
Charleston, W. V.

Subject: DMEA-4553

Dear Mr. Gouge

Your application for exploration assistance, dated November 21, 1956 submitted to our office at Knoxville, has been assigned Docket Number DMEA-4553 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 1 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

Subject: Application from W. G. Gouge, Sr., Route #4 Charleston, West Virginia. Old Luke Mica Mine, Mitchell County, N. C.

Enclosed are 3 copies of the subject application. The fourth copy is being retained in this office for our use.

V. J. Lynch

V. J. Lynch

DESCRIPTION OF THE (5) ACRE TRACT
OF W.G. GOUGE, Sr. LAND AS CUTOFF
THE ORIGINAL (44) ACRE TRACT AND
TO BE CONSIDERED A PART OFTHE LOAN
APPLICATION SUBMITTED HEREWITH.

Begining at a stake corner 220 feet Southeast of the old Chestnut Corner of the old 44 acre tract, and runs East, 500 feet to a stake corner; thence a South course 450 feet te a stake corner; thence a West course 500 feet to a stake corner; thence a North course 450 feet to the begining stake corner, Containing 5.1 acres more or less.

(see attached map of 44 acre tract)

Note: For a full detailed description of the old 44 acre tract from which the above 5.1 acres was taken, see attached map and also see a Deed Registered Nov. 11th, 1907, as recorded in Register of Deeds office for Mitchell County, N.C. in Book # 52, Page # 544.

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

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. 4553
Metal or Mineral Mica
Date Received 11-28-56
Estimated Cost $6,519.20
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, Sr. (Individual)
Rt. 4. Box 158
Charleston, West Virginia.

RECEIVED
NOV 26 1956
U. S. Geological Survey
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 ~~Owner of Property~~

(see attached sheet for property description)

(*b*) State any mine name by which the property is known. "Old Luke Mica Mine"

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

(*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

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

16—66551-1

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

(*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: no

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

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. 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. no

(*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. no

(*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. no

(*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. no

(*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. no

(*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 21st, 1956

W. B. Gouge
(Applicant)

By R.R. No. 1 Box 109
Charleston, West 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

Sheet No. 1

Re: GOUGE, W.G. Sr.
Rt.4. Box 158
Charleston, W. Va.

('Old Luke Mica Mine'
(Mitchell County, N.C.

RECEIVED NOV 28 1956 DMMCA

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

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

The mica prospect hereinafter referred to as the ' Old Luke Mica Mine', is located about 5/8th of a mile South of the Bandana, N.C. postoffice in a wooded flat between two branches and lys a few hundred feet Southeast of the old road. It is reached over the gravel road leading South off N.C. highway # 80 at a point directly across from the Bandana , N.C. postoffice bldg. There is no current operation of mines. Very little mining has been done on the main body. The work previously done was by the hand method and consists of a few shallow pits opened on the vein as test pits. The main pegmatite body strikes a course approximately NE-SW with the dip of the body to the South. The applicant being the owner of this property and knowing the history of previous mining done on the property, is anxious to develope the property for mica by use of modern machinery.

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

There is no currect operation of mines thus no current production. The property has layed idle for several years due to fact that the owner was residing out of the state. The owner has had several opportunities to lease out the property for mining purposes but has declined to do so desireing to mine the property hom self. During the past operations (tests) on this property there was a considerable amount of good mica recovered. The mica being green and of good grade in medium to large books. There is every indication of there being a large reserve of mica unmined.

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

The main pegmatite body crosses the property on a course that runs approximately Northeast-Southwest. The dip of the body is to the South-Southeast. The thickness of pegmatie body appears to be 4-5 feet but may be in excess of this at some points. Only the top or hanging wall slate is exposed in some of the old pits.Examination of sidewalls of pits and old dumps show mica formation that is common in this county,---feldspar, quartz, rich mica rock and granite pods. Due to the small amount of work previously done and present caved condition of old works it is impossible to give much accurate geologic data of the formation but there is good indications that mica of good grade has been recovered during past operations. The indications are good for futher tests of the property for mica production by modern equipment.

Sheet No. 1

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Rt.4. Box 158
Charleston, W. Va.

('Old Luke Mica Mine'
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Re: GOUGE, W.G. Sr.
Rt.4. Box 158
Charleston, W. Va.

('Old Luke Mica Mine'
(Mitchell County, N.C.

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

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

To reach the site of the proposed exploratory project, take N.C. highway # 26, either from Spruce Pine or Bakersville, N.C. to point where it intersects with the Mine Creek road on top of a hill some 3½ miles South of Bakersville. Take the Mine Creek road West about 2 miles to intersection of N.C. highway # 80., Turn South on # 80,3 miles to Bandana, N.C. postoffice. Turn left in front of postoffice on a gravel road about 5/8 mile to proposed mining site. The nearest railway shipping point is at Kona, N.C. about 5 miles distance. Nearest mining supply point is Spruce Pine, N.C. about 13 miles from project site. Nearest residence is about ¼ mile from mining site.

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

Experienced mica miners are available in vicinity of proposed project or ajacent communities. Ample mining equipment, materials and supplies can be obtained at Spruce Pine or Penland, N.C. There is an electric power line running within 1200 feet of the proposed mining project and ample water supply nearby the project.

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

Begining at a point approximately in center of the (5) acre tract as set out in the attached map of W.G. Gouge property (see map) it is proposed that a 5' X 7' shaft be sunk to a depth of 80 feet down with the dip of main pegmatite body. Upon reaching the 80' lower level of shaft, it is proposed that a 75' drift be driven each way 75'NE,and 75' SW,with the general strike of the main body bringing the new exploratory workings some 60 feet below and under the deepest of the old works. No direct contact with any of the old works would be made under this proposal.

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

The proposed (5) Man Crew for this project would consist of all fully qualified and experienced mica miners with a mine supervisor in charge of all phases of the operation who has not had less than 10 years actual mica mining experience with a portion of that applied in a supervisory capacity. There are plenty of fully experienced miners in this section of the county available for this project. The applicants participation in the project would be strictly that of the landowner and activities confined to clerical phases of project.

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

No.	Class	Hr. Rate	Wkly Rate	Mthly Rate	16 week period rate 640 Wkg Hrs. per man
(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	$ 1040.00	$ 4160.00 3200 Wkg Hrs.

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Charleston, W. Va.

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Rt.4. Box 158
Charleston, W. Va.

(Old Luke Mica Mine'
(Mitchell County, N.C.

RECEIVED 28 1955 J.M.E.A.

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

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

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

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

Unit.	Item	No. Units.	Mthly Unit Costs.	Total Costs For 16 Week Period.
Ea.	105 Air 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.	16 Week Period Costs.
Ea	Tool House	1	$ 75.00	$ 75.00
Ea.	Pdw. Magazine	1	25.00	25.00
Ea.	Exp. 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
Employer's Liability Ins. (5 Man Crew) Estd---------	150.00
Employee's Group Ins. (Estimated)----------	200.00
Totals----------	$ 433.20

Sect. 6-(h) . Contingencies.------None.

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

Sheet No.3.

Re: GOUGE, W.G. Sr.
Rt.4. Box 158
Charleston, W. Va.

(Old Luke Mica Mine'
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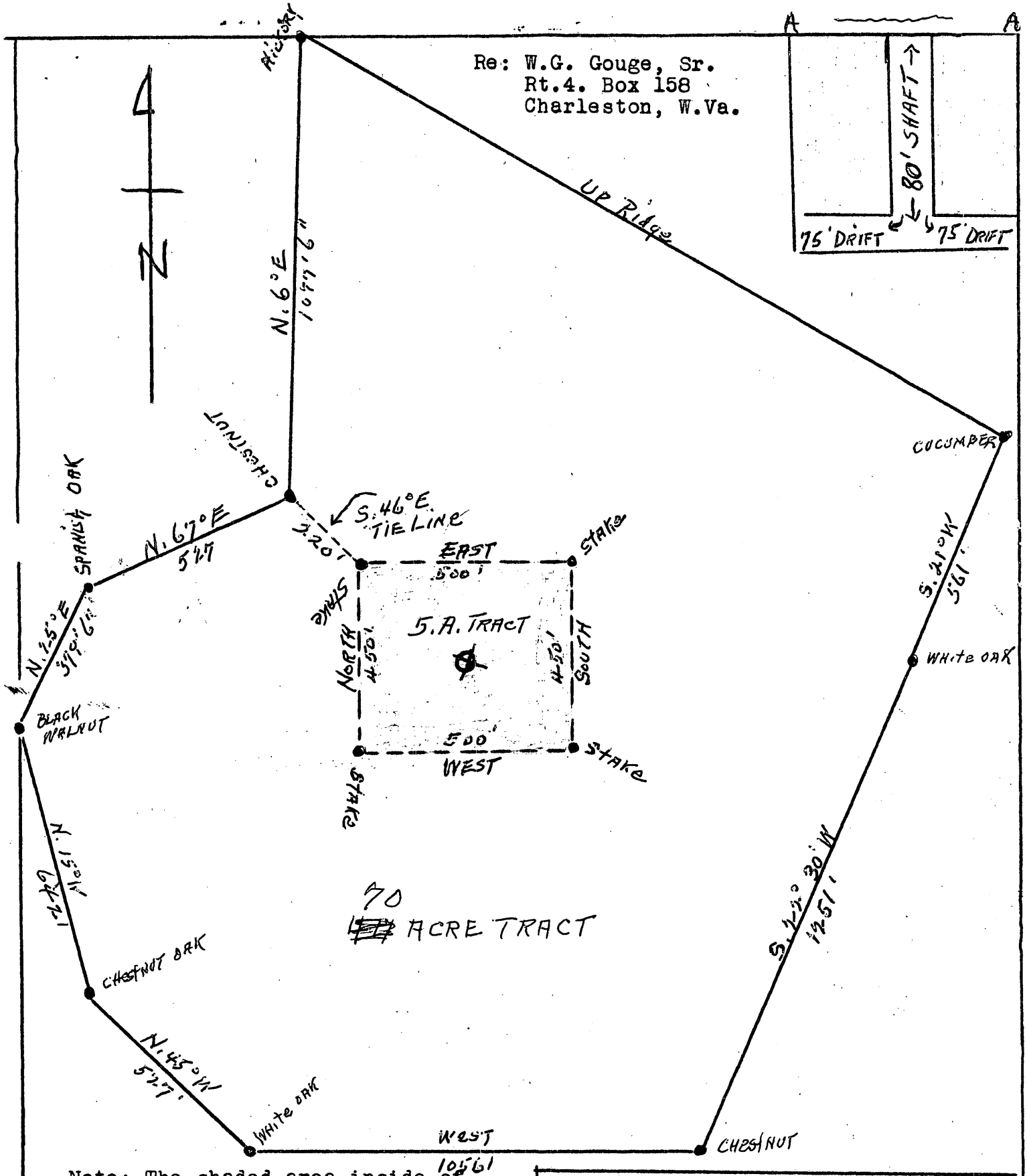
Re: W.G. Gouge, Sr.
Rt.4. Box 158
Charleston, W.Va.



Note: The shaded area inside of land lines represents the 5 acres cut off the 44 acre tract and made a part of the application.

PROPERTY OF W.G. GOUGE, SR.

SCALE: 1 IN = 300 FT.

(Old Luke Mica Mines
Mitchell County, N.C.)

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Mr. Jones Room 206 C.S.A. Bldg	RUN / STOP		RUN / STOP
Mr. Warren Labs Rm 528 Int. Bldg	RUN / STOP		RUN / STOP
Mr. Hawk 4453 Int.	RUN / STOP		RUN / STOP
Mr. Kilsgaard	RUN / STOP		RUN / STOP
Mr. Ellis 4443 Int.	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP

Send surplus envelopes to supply room for reissue.

Use other side

Use RUN and STOP only when messenger service between Government buildings in Washington is required.
Your mail room has RUN and STOP information.