DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2212

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 PROJECT

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.

Routing Slip

Code 400 - Prod.Exp.Div.

To:	Nonmetallics Br.	Date	11/13/51
To:	Ellis	Date	11-23-51
To:	Operating Com.	Date	3-26-52
To:	Operating Comm.	Date	4-2-52
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

FILE COPY
SURNAME:

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

SAFeitler
Houk
Dietrich
Van Alstine
Limbert
Johnson
[redacted]
Ellis

SEP 2 6 1952

BL

Green and Hall
Green's Creek
North Carolina

Subject: Docket No. DMEA-2212 - Mica
V. O. Buchanan Mine
Jackson County, North Carolina

Gentlemen:

Reference is made to the subject application for exploration assistance at the V. O. Buchanan Mine on your property in Jackson County, North Carolina.

A careful analysis of the information available to the Defense Minerals Exploration Administration staff indicates that the probability of making a significant discovery of strategic mica at the V. O. Buchanan Mine is not sufficiently encouraging to justify Government participation in your proposed exploration project.

In view of the foregoing, your application for exploration assistance is denied. Thank you for your interest in the defense effort.

Sincerely yours,

(signed) FRANK E. JOHNSON (for)

ACTING Administrator

S.H. 9.29.52

SAFeitler:gad 9/22/52

Copy to: Admin. Reading File
Operating Committee (2)
Field Team, Region VII
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

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

September 25, 1952

Memorandum

To: Chairman, Operating Committee

From: Nonmetallic Minerals Division

Subject: Resume - Docket No. DMEA-2212 - Mica
V. O. Buchanan Mine
Jackson County, North Carolina

Conclusion

This mine offers little promise of a significant discovery of mica. Although light ruby mica is present, the narrow (2' wide) pegmatite contains only small sizes containing many defects.

Recommendation

The application should be denied.

Review

Application received 11/13/51
Proposes to spend $1,920.00 to bulldoze and dig test pits.
U.S.B.M. Memo. 11/28/51
Recommends field examination.
U.S.G.S. Memo 12/26/51
Recommends denial without field examination.
Denial written 1/11/52 but not sent.
Additional information requested 1/28/52.
Applicant submitted additional information 2/18/52. Last work done in 1930. Claims pegmatite 3' wide with ruby mica sheeting 4"x6" recovered.
U.S.B.M. Memo 3/5/52 - No data available, but property is in favorable area - field examination recommended.
U.S.G.S. Memo 3/6/52 - Recommends field examination after pit has been cleaned out.
Letter to applicant 4/3/52 asks that Region VII be notified when pegmatite has been exposed.

Field referral 4/3/52 - Examination to be made when applicant advises that pegmatite has been exposed.

Field Team report received 9/17/52 - "No strategic mica occurs at this place and the request should be denied."

Letter of denial written 9/23/52 and surnamed by the U.S.G.S. and U.S.B.M.

SAF

Stanley A. Feitler
Nonmetallic Minerals Division

FILE COPY
SURNAME:

S Feitler
Hoole

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

September 25, 1952

Memorandum

To: Chairman, Operating Committee

From: Nonmetallic Minerals Division

Subject: Resume - Docket No. DMEA-2212 - Mica
V. O. Buchanan Mine
Jackson County, North Carolina

Conclusion

This mine offers little promise of a significant discovery of mica. Although light ruby mica is present, the narrow (2' wide) pegmatite contains only small sizes containing many defects.

Recommendation

The application should be denied.

Review

Application received 11/13/51
Proposes to spend $1,920.00 to bulldoze and dig test pits.
U.S.B.M. Memo. 11/28/51
Recommends field examination.
U.S.G.S. Memo 12/26/51
Recommends denial without field examination.
Denial written 1/11/52 but not sent.
Additional information requested 1/28/52.
Applicant submitted additional information 2/18/52. Last work done in 1930. Claims pegmatite 3' wide with ruby mica sheeting 4"x6" recovered.
U.S.B.M. Memo 3/5/52 - No data available, but property is in favorable area - field examination recommended.
U.S.G.S. Memo 3/6/52 - Recommends field examination after pit has been cleaned out.
Letter to applicant 4/3/52 asks that Region VII be notified when pegmatite has been exposed.

Field referral 4/3/52 - Examination to be made when applicant advises that pegmatite has been exposed.
Field Team report received 9/17/52 - "No strategic mica occurs at this place and the request should be denied."
Letter of denial written 9/23/52 and surnamed by the U.S.G.S. and U.S.B.M.

Stanley A. Feitler
Nonmetallic Minerals Division

SAFeitler:gad 9/25/52

Copy to: Admin. Reading File
Docket File
Mr. Houk

IN REPLY REFER TO:

G-MD-CNM

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

Gas

September 25, 1952

Mr Faith

File

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2212 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: Green and Hall, Green's Creek, North Carolina.
Name of property: V. O. Buchanan mine.
Location of property: About 2 miles SW of Green's Creek post office and about 7 miles by road SW of Sylva, Jackson County, North Carolina.
Date of field team report: September 16, 1952.
Authorship of field team report: A. L. Peyton and K. H. Teague.
Field team's recommendation:
Deny application; no strategic mica occurs here.
Comments:
None.
ACTION SUGGESTED:
Follow field team's recommendation.

R. E. Van Alstine

R. E. Van Alstine

DEPARTMENTAL
Colorado
SEP 26 1952

IN REPLY REFER TO:
G-MD-CNM

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

September 25, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2212 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: Green and Hall, Green's Creek, North Carolina.
Name of property: V. O. Buchanan mine.
Location of property: About 2 miles SW of Green's Creek post office and about 7 miles by road SW of Sylva, Jackson County, North Carolina.
Date of field team report: September 16, 1952.
Authorship of field team report: A. L. Peyton and K. H. Teague.
Field team's recommendation:
Deny application; no strategic mica occurs here.
Comments:
None.
ACTION SUGGESTED:
Follow field team's recommendation.

R. E. Van Alstine

Van Alstine:jeh
G-9/25/52

cc: Director's reading file 4212 GSA Bldg.
Branch " " " " "
DMEA
Van Alstine G-230 " "
Norton files G-228 " "

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

Room 13, Post Office Building
Knoxville, Tennessee

September 17, 1952

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team DMEA - Region 7, Knoxville, Tenn.

Subject: Field Team Examination on DMEA-2212 (mica) V. O. Buchanan Mine

Transmitted are 4 copies of the examination on the subject application. The memoranda of review by the Geological Survey and Bureau of Mines are returned herewith.

The Field Team concurs in the denial of this application.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Region 7

Wm A Beck
Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

SEP 1 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2212 (mica)

V. O. Buchanan Mine

Applicants: Green and Hall
Green's Creek, North Carolina

By

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

--

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

Reviewed by
DMEA OPERATING COMMITTEE
9/24/52
(date)

September 16, 1952

Report of Field Examination on

DMA-2212 (mica)

V. O. Buchanan Mine

Applicant: Green and Hall
Green's Creek, N. C.

Two visits were made to this property. The first trip was made with Dexter Hall, one of the applicants on July 13, 1952. At that time the pits had not been cleaned as requested in a letter dated April 3, 1952.

On August 26, 1952 the property was revisited. At that time the pegmatite was exposed.

No strategic mica occurs at this place and the request should be denied.

The prospect is about two miles southwest of Green's Creek post office and about 7 miles by road southwest of Sylva, Jackson County, North Carolina. It is easily accessible by an all weather road.

At this place a pit about 10 feet deep has been dug on a 2-foot pegmatite. The pegmatite is kaolinized; it strikes to the northeast and dips at a low angle to the northwest. Wall rock is a weathered mica gneiss.

Only mica in small sizes occurs in the pegmatite. It is badly bent and cracked, mineral stained, and most splits poorly. The color is light ruby. Very little or no strategic mica could be obtained from this place, and the application should be denied.

August 26, 1952.

A. L. Peyton, USBM

K. H. Teague, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2212 (mica)

V. O. Buchanan Mine

Applicants: Green and Hall
Green's Creek, North Carolina

By

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

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

September 16, 1952

Report of Field Examination on

DMEA-2212 (mica)

V. O. Buchanan Mine

Applicant: Green and Hall
Green's Creek, N. C.

Two visits were made to this property. The first trip was made with Dexter Hall, one of the applicants on July 13, 1952. At that time the pits had not been cleaned as requested in a letter dated April 3, 1952.

On August 26, 1952 the property was revisited. At that time the pegmatite was exposed.

No strategic mica occurs at this place and the request should be denied.

The prospect is about two miles southwest of Green's Creek post office and about 7 miles by road southwest of Sylva, Jackson County, North Carolina. It is easily accessible by an all weather road.

At this place a pit about 10 feet deep has been dug on a 2-foot pegmatite. The pegmatite is kaolinized; it strikes to the northeast and dips at a low angle to the northwest. Wall rock is a weathered mica gneiss.

Only mica in small sizes occurs in the pegmatite. It is badly bent and cracked, mineral stained, and most splits poorly. The color is light ruby. Very little or no strategic mica could be obtained from this place, and the application should be denied.

August 26, 1952.

A. L. Peyton, USBM

K. H. Teague, USGS

FILE COPY
SURNAME:

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

Houk
SAFeitler
Hedges
FEJohnson

600

APR 8 1952

Green and Hall
Green's Creek
North Carolina

Subject: Docket No. DMA-2212 - Mica
V. O. Buchanan Mine
Jackson County, North Carolina

Gentlemen:

Reference is made to your application for an exploration project and to the additional data concerning your property recently submitted by Mr. Frank Sizemore.

There is nothing in the data submitted to date regarding your property to indicate that our Field Team could see anything on your property to determine whether or not exploration is warranted. However, the pit on your property, from which a production of 500 pounds of mica is reported, could easily be cleaned out by you and a sample of any mica obtained.

We are, therefore, referring your application to Mr. Robert A. Lawrence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 1, Tennessee, and authorizing him to make an examination of your property upon notification by you that the above mentioned pit has been cleaned out and is accessible for inspection by the Field Team, and also receipt of a representative sample of any mica obtained from the bottom of the pit.

Sincerely yours,
C. O. Mittendorf (for) cc 4/3

Acting Administrator
Defense Minerals Exploration
Administration

SAFeitler:FEJohnson:mp
4/2/52
cc: Adm. Reading File
Docket File
F. E. Johnson, 4624
Operating Committee
Field Team, Region VII (2)
Mr. Norton, G-232, GSA Bldg.
Mr. Dietrich, 3526
Mr. Houk

FILE COPY
SURNAME:

Houk
Stoeckler

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

600

APR 8 1952

Mr. Robert A. Lawrence
Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 1, Tennessee

Subject: Docket DMEA-2212 - Mica
V. O. Buchanan Mine
Jackson County, North Carolina

Dear Mr. Lawrence:

There is enclosed copy of the docket for the above referenced application of Green and Hall.

We are notifying the applicant that a field examination of his property is being authorized, subject to his notifying you that he has cleaned out the pit from which it is reported 500 pounds of mica were recovered in 1930, so that it will be accessible for the Field Team's inspection, and to also furnish you with a representative sample of any mica he obtains from the bottom of the pit.

On receipt of such notification and sample from the applicant, please arrange to have an examination of property made by the Field Team. If warranted, a suitable exploration project should then be worked out with the applicant.

Sincerely yours,

4/3

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

SAFeitler:FEJohnson:mp 4/2/52

cc: Docket File
Adm. Reading File
Operating Committee

Mr. Johnson, 4624
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

Enclosures - 4
Approved:

J. H. Hedges
Member, Bureau of Mines

T. P. Thayer
Member, Geological Survey

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

600

April 2, 1952

Memorandum

To: Lawrence G. Houk, Chief, Non-Metallic Minerals Division

From: Stanley A. Feitler

Subject: DMEA-2212 - Mica
V. O. Buchanan Mine
Jackson County, North Carolina

It seems reasonable to request the applicant in the above case to clean out a hole 6' x 6' x 10' deep so the field team can see the pegmatite and perhaps some mica.

One or two man days of work can reasonably be requested as preparation when the application involves a request for $1,920.00.

SAF

S. A. Feitler

IN REPLY REFER TO:

G-MD-JJN

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

March 6, 1952

Memorandum

RECONSIDERATION OF APPLICATION DMEA-2212 (mica).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA
From: J. J. Norton, U. S. Geological Survey
Subject: G. L. Green and Dexter Hall's application (DMEA-2212) for aid in exploring the V. O. Buchanan prospect for pegmatite minerals.

Location of prospect: Near Green's Creek, Jackson County, North Carolina.

Previous processing of this application: (1) A memorandum from this office on December 26, 1951, recommended denial on the grounds that the applicant submitted insufficient data even to justify a field examination.

(2) The applicant was asked for more data in a letter from DMEA dated January 28, 1952.

(3) Applicant supplied further data in a letter dated February 18, 1952.

Comments: Applicant states that more than 20 years ago a 6 by 6 foot pit sunk to a depth of 10 feet exposed a 3-foot thick pegmatite from which "about 500 pounds of high grade ruby mica was recovered, sheeting up to 4" X 6"." The pit "is now covered," and mica samples that DMEA requested the applicant to submit are not "available."

The data submitted indicate that there is nothing that the field team would see if the property were examined. Furthermore the applicant could, with little effort, clean out this small pit and collect a sample of mica.

RECOMMENDATION: The applicant should be told to:

(1) Clean out the pit and expose the pegmatite.
(2) Collect a sample of mica and send it to DMEA, which should have it qualified by EPS.

If the applicant does this work and his mica is found to be of strategic grade and quality, then a field examination should be made.

J. J. Norton

J. J. Norton

IN REPLY REFER TO:

G-MD-JJN

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

March 6, 1952

Memorandum

RECONSIDERATION OF APPLICATION DMEA-2212 (mica).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA
From: J. J. Norton, U. S. Geological Survey
Subject: G. L. Green and Dexter Hall's application (DMEA-2212) for aid in exploring the V. O. Buchanan prospect for pegmatite minerals.

Location of prospect: Near Green's Creek, Jackson County, North Carolina.

Previous processing of this application: (1) A memorandum from this office on December 26, 1951, recommended denial on the grounds that the applicant submitted insufficient data even to justify a field examination.

(2) The applicant was asked for more data in a letter from DMEA dated January 28, 1952.

(3) Applicant supplied further data in a letter dated February 18, 1952.

Comments: Applicant states that more than 20 years ago a 6 by 6 foot pit sunk to a depth of 10 feet exposed a 3-foot thick pegmatite from which "about 500 pounds of high grade ruby mica was recovered, sheeting up to 4" X 6"." The pit "is now covered," and mica samples that DMEA requested the applicant to submit are not "available."

The data submitted indicate that there is nothing that the field team would see if the property were examined. Furthermore the applicant could, with little effort, clean out this small pit and collect a sample of mica.

RECOMMENDATION: The applicant should be told to:

(1) Clean out the pit and expose the pegmatite.
(2) Collect a sample of mica and send it to DMEA, which should have it qualified by EPS.

If the applicant does this work and his mica is found to be of strategic grade and quality, then a field examination should be made.

J. J. Norton

Norton:jeh
G-3/6/52
cc: Director's reading 4212 GSA Bldg.
Branch reading " " "
DMEA files
Norton
Laurence

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

March 5, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-2212.

We have no definite data on this property in our files, but the property is in a favorable area and applicant claims a small past production. It is recommended that the field team be asked to make an investigation when in the area and to work out an exploration program with the applicant, if feasible.

W. F. Dietrich

W. F. DIETRICH

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

March 5, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-2212.

We have no definite data on this property in our files, but the property is in a favorable area and applicant claims a small past production. It is recommended that the field team be asked to make an investigation when in the area and to work out an exploration program with the applicant, if feasible.

Signed

W. F. DIETRICH

DMEA-2212 GREEN & HALL GREENS CREEK, N.C. V.O.BUCHANAN PROSPECT 2/18/52

COPY

ANSWER TO LETTER (1/28/52) - L. G. HOUK - NON-METALLIC MINERALS DIVISION

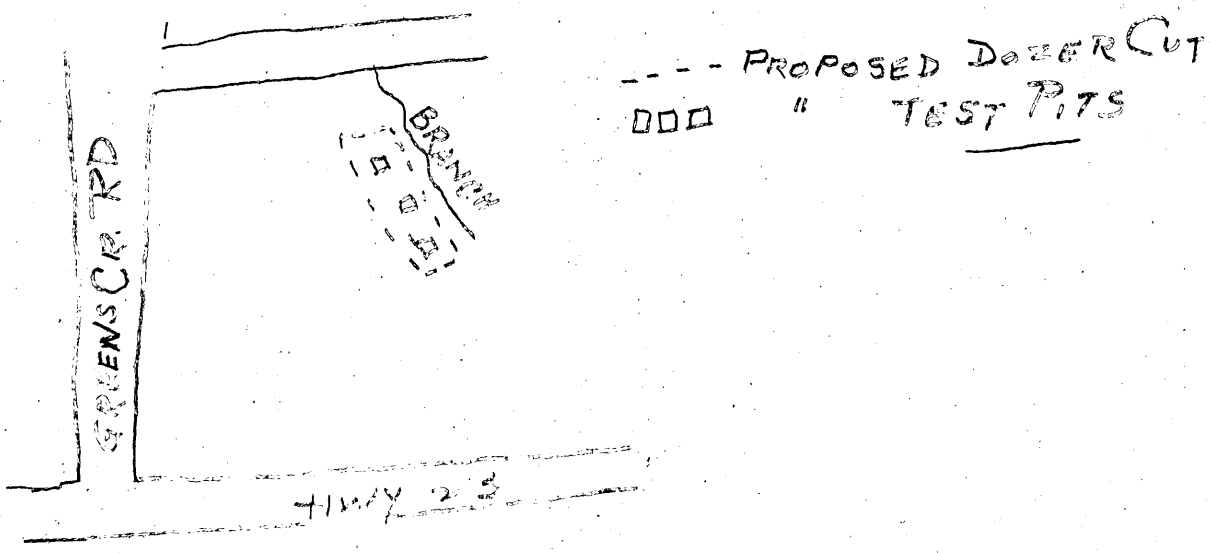
RE: QUESTION 2 (b) - FORM MF-103

Last work done at this prospect was by Dexter Hall in 1930. Consisted of a hole about 6 feet square and 10 feet deep, which has since been convered by ground slides. The pegmatite was exposed to a showing of 3 feet wide. Only one portion, at said hole, was exposed. In addition to mica, flint rock and other pegmatite material was encountered. Because the work was done twenty years ago, and is now covered, no samples are available.

Through prospecting, in 1930, about 500 pounds of high grade ruby mica was recovered, sheeting up to 4" x 6". It was sold by Dexter Hall to Asheville Mica Company. This property has only been known as the V.O.Buchanan lands.

It is proposed to spend about 55 hours bulldozing the overburden, to prevent slides, and then sink 3 test pits (over an area 50' x 100' long); said pits to be about 20 feet deep - below the dozer trench. Cost per pit will be about $200.00, consuming 20 man-hour shifts of labor. Engineer-superintendent time, as estimated in application, can be reduced to 5 days.

This property has demonstrated positive evidence of the presence of strategic mica in past working and is expected to prove, through exploration, that satisfactory quantities of commercial ore bodies can be released. Applicant prefers that actual work to be done, be the result of consultation with the Field Team.



ABOVE INFORMATION FURNISHED BY DEXTER HALL
TO BE TRANSMITTED BY:

/s/ Frank Siersma
Frank Siersma

DMEA-2212 GREEN & HALL GREENS CREEK, N.C. V.O.BUCHANAN PROSPECT 2/18/52

C O P Y

ANSWER TO LETTER (1/28/52) - L. G. HOUK - NON-METALLIC MINERALS DIVISION

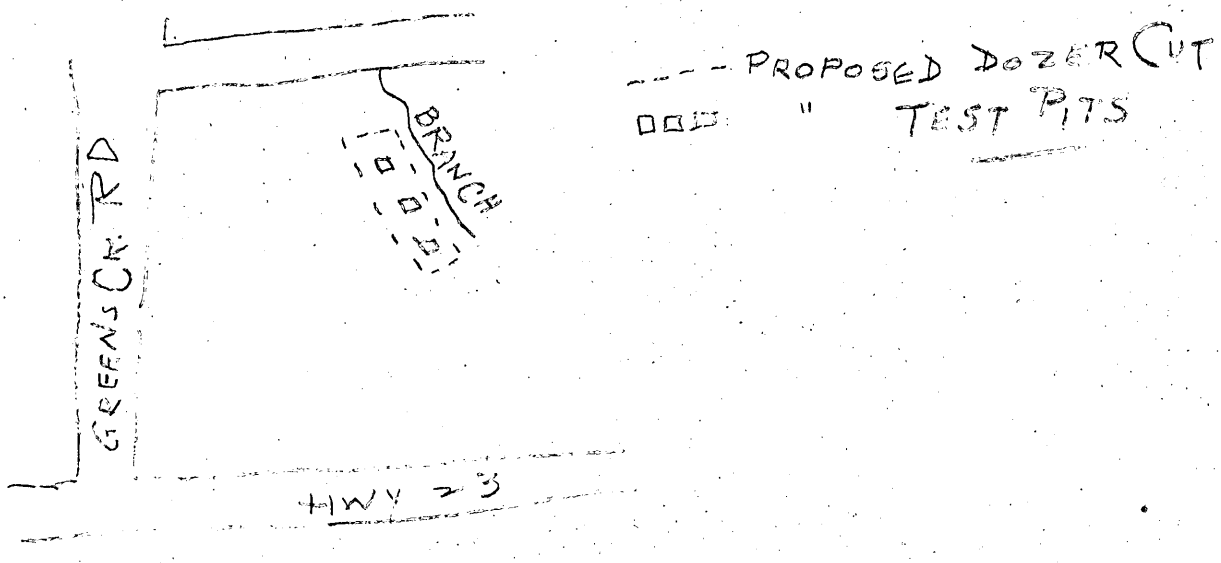
RE: QUESTION 2 (b) - FORM MF-103

Last work done at this prospect was by Dexter Hall in 1930. Consisted of a hole about 6 feet square and 10 feet deep, which has since been convered by ground slides. The pegmatite was exposed to a showing of 3 feet wide. Only one portion, at said hole, was exposed. In addition to mica, flint rock and other pegmatite material was encountered. Because the work was done twenty years ago, and is now covered, no samples are available.

Through prospecting, in 1930, about 500 pounds of high grade ruby mica was recovered, sheeting up to 4" x 6". It was sold by Dexter Hall to Asheville Mica Company. This property has only been known as the V.O.Buchanan lands.

It is proposed to spend about 55 hours bulldozing the overburden, to prevent slides, and then sink 3 test pits (over an area 50' x 100' long); said pits to be about 20 feet deep - below the dozer trench. Cost per pit will be about $200.00, consuming 20 man-hour shifts of labor. Engineer-superintendent time, as estimated in application, can be reduced to 5 days.

This property has demonstrated positive evidence of the presence of strategic mica in past working and is expected to prove, through exploration, that satisfactory quantities of commercial ore bodies can be released. Applicant prefers that actual work to be done, be the result of consultation with the Field Team.



ABOVE INFORMATION FURNISHED BY DEXTER HALL
TO BE TRANSMITTED BY:

/s/ Frank Siersma
Frank Siersma

DMEA-2212 GREEN & HALL GREENS CREEK, N.C. V.O.BUCHANAN PROSPECT 2/18/52

COPY

ANSWER TO LETTER (1/28/52) - L. G. HOUK - NON-METALLIC MINERALS DIVISION

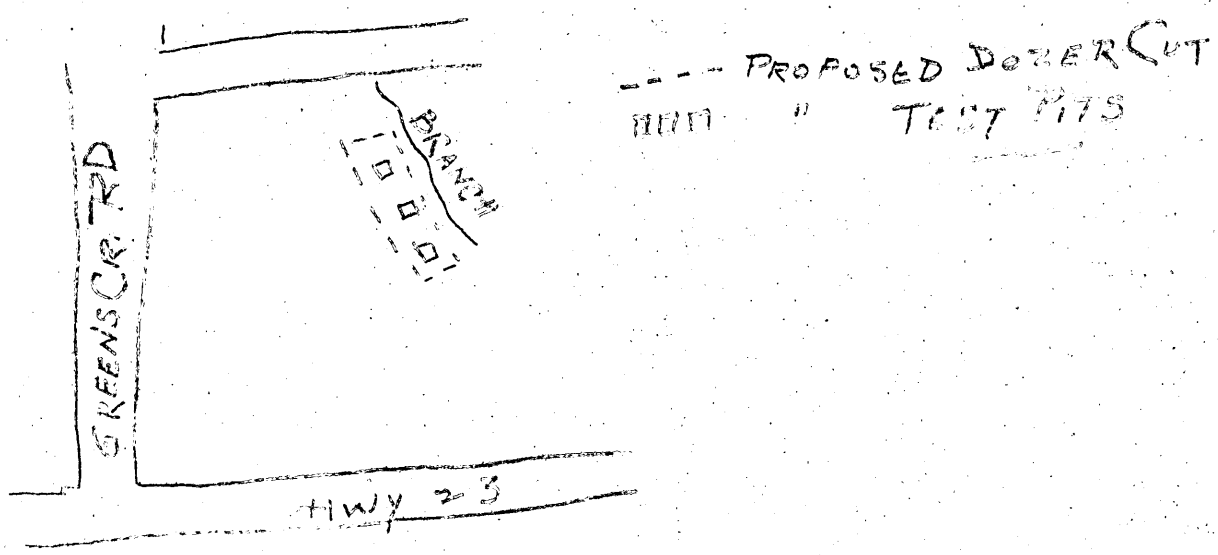
RE: QUESTION 2 (b) - FORM MF-103

Last work done at this prospect was by Dexter Hall in 1930. Consisted of a hole about 6 feet square and 10 feet deep, which has since been convered by ground slides. The pegmatite was exposed to a showing of 3 feet wide. Only one portion, at said hole, was exposed. In addition to mica, flint rock and other pegmatite material was encountered. Because the work was done twenty years ago, and is now covered, no samples are available.

Through prospecting, in 1930, about 500 pounds of high grade ruby mica was recovered, sheeting up to 4" x 6". It was sold by Dexter Hall to Asheville Mica Company. This property has only been known as the V.O.Buchanan lands.

It is proposed to spend about 55 hours bulldozing the overburden, to prevent slides, and then sink 3 test pits (over an area 50' x 100' long); said pits to be about 20 feet deep - below the dozer trench. Cost per pit will be about $200.00, consuming 20 man-hour shifts of labor. Engineer-superintendent time, as estimated in application, can be reduced to 5 days.

This property has demonstrated positive evidence of the presence of strategic mica in past working and is expected to prove, through exploration, that satisfactory quantities of commercial ore bodies can be released. Applicant prefers that actual work to be done, be the result of consultation with the Field Team.



ABOVE INFORMATION FURNISHED BY DEXTER HALL
TO BE TRANSMITTED BY:

/s/ Frank Siersma
Frank Siersma

DMEA-2212 GREEN & HALL GREENS CREEK, N.C. V.O.BUCHANAN PROSPECT 2/18/52

ANSWER TO LETTER (1/28/52) - L. G. HOUK - NON-METALLIC MINERALS DIVISION

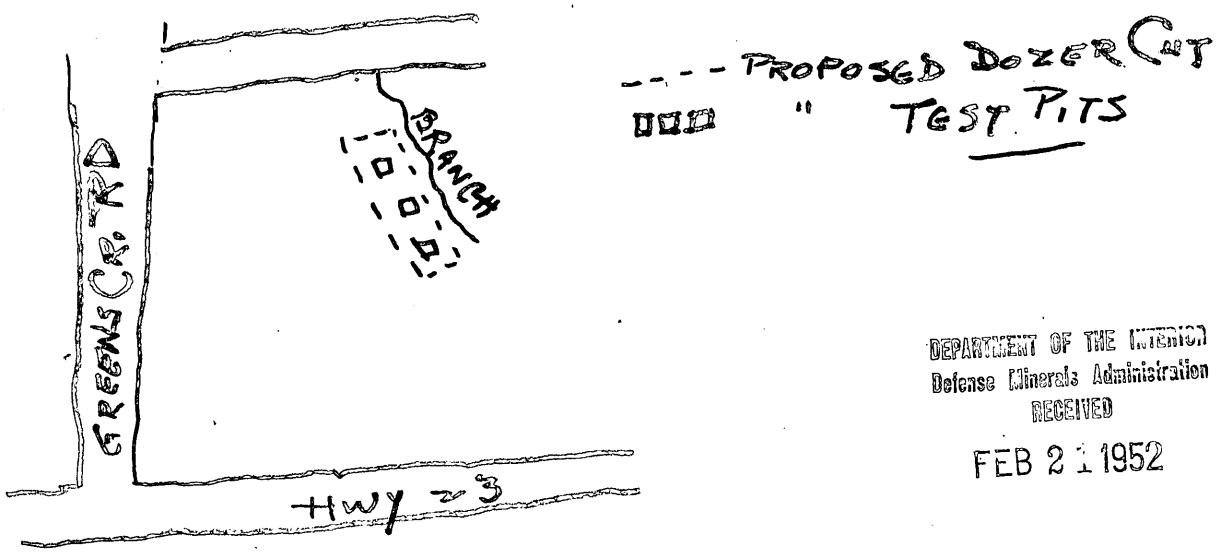
RE: QUESTION 2 (b) - FORM MF-103

Last work done at this prospect was by Dexter Hall in 1930. Consisted of a hole about 6 feet square and 10 feet deep, which has since been covered by ground slides. The pegmatite was exposed to a showing of 3 feet wide. Only one portion, at said hole, was exposed. In addition to mica, flint rock and other pegmatite material was encountered. Because the work was done twenty years ago, and is now covered, no samples are available.

Through prospecting, in 1930, about 500 pounds of high grade ruby mica was recovered, sheeting up to 4" x 6". It was sold by Dexter Hall to Asheville Mica Company. This property has only been known as the V.O.Buchanan lands.

It is proposed to spend about 55 hours bulldozing the overburden, to prevent slides, and then sink 3 test pits (over an area 50' x 100' long); said pits to be about 20 feet deep - below the dozer trench. Cost per pit will be about $200.00, consuming 20 man-hour shifts of labor. Engineer-superintendent time, as estimated in application, can be reduced to 5 days.

This property has demonstrated positive evidence of the presence of strategic mica in past working and is expected to prove, through exploration, that satisfactory quantities of commercial ore bodies can be released. Applicant prefers that actual work to be done, be the result of consultation with the Field Team.



DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 21 1952

ABOVE INFORMATION FURNISHED BY DEXTER HALL
TO BE TRANSMITTED BY:

Frank Siersma

Is clause 6 of the lease sufficient to make Dexter Walls signature ~~[illegible]~~ legal on form MF-202?

2212

FILE COPY
SURNAME:

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

S A Feicler
Smith
Mitt

January 28, 1952

Messrs. G. L. Green & Dexter Hall
Greens Creek
North Carolina

Subject: Docket No. DMEA-2212 - Mica
V. O. Buchanan Prospect

Gentlemen:

On the basis of the information submitted by you in the above docket, we are unable to justify an examination by the Field Team.

Perhaps your application can be evaluated if you answer the questions on Form MF-103 completely.

Question 2(b) is particularly important. You should supply information along the following lines:

a. Describe the exposures and workings on the pegmatite on your land or within a few hundred feet of it.

b. How wide is the pegmatite on your land?

c. In how many places have you uncovered it?

d. What mica showings are there?

e. Submit samples of mica from your property.

f. On a map, show the approximate location of outcrops and test pits you describe above.

You mention past production from this property. How much mica was produced? What was the grade?

To whom was it sold? When was it sold? By whom was it sold? Under what names has the property been known?

On the map mentioned above you should also show where the trenching is to be done.

In your description of the work indicate the size, and depth of the proposed pits. What will be the cost per pit or

per foot of pit? How many man-shifts will be needed for each pit? How do you propose to use 60 man-shifts of labor?

Please forward full information without delay so we can complete the review of your application.

Thank you for your interest in the Defense effort.

Sincerely yours,

2/13/52

Lawrence G. Houk, Acting Chief
Non-Metallic Minerals Division
Defense Minerals Exploration
Administration

SAFeitler:gad

Copy to: Admin. Reading File
Docket File
Mr. Houk
Mr. J. J. Norton, G-228 GSA Bldg.
Mr. Dietrich, 3526

FILE COPY
SURNAME:

600

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

Houk
Norton
Dretsch
Thayer
Kedgers
Johnson

Messrs. G. A. Green & Dexter Hall
Greens Creek
North Carolina

Re: Docket No. DMEA 2212 - Jackson
V. C. Buchanan Prospect

Gentlemen:

Your application for exploration assistance at the V. C. Buchanan Prospect in Jackson County, North Carolina has been reviewed by the Defense Minerals Exploration Administration.

A careful study of the evidence you have presented in your proposal does not demonstrate that the possibility of making a significant discovery is sufficiently encouraging to warrant Government participation in the proposed work. Your application is herewith denied.

The Defense Minerals Exploration Administration wishes to thank you for making this application and regrets that we cannot approve expenditure of U. S. Government funds for the proposed exploration project.

Sincerely yours,

Acting Administrator
Defense Minerals Exploration
Administration

LGHouk/meb
1-11-52
cc to: Adm.Reading File
Mr. Josephson
Mr. Norton
Mr. Houk
Reg.VII(2)
Docket File Copy

December 26, 1951

Nonmetallic Minerals Div.

Donald H. Kupfer

G. L. Green and Dexter Hall's
2212 V. O. Buchanan

near Green's Creek, Jackson County, North Carolina

see next page

Copy to: Bryson Rodney Tito, [illegible]
MMA
Barker, C-[illegible], [illegible]

WTD

Green and Hall's application (DMA-2212), proposes to spend $1920 to explore the V. O. Buchanan Prospect near Greens Creek, Jackson County, North Carolina for strategic mica. This is another in the series of applications referred to in Griffitts and my memo of November 6, 1951 to Robert Waskey, a copy of which is attached. This application has the same faults as the others, and should be held until the applicant submits more information.

1. Name and location. Because the applicant has included a crude sketch map of the location of the prospect, this prospect can be tentatively located. The applicant gives the name as the Buchanan Mine. However this is not the Buchanan Mine (Dream Mine) nor is it the:

   B C Buchanan Mine
   Harry Buchanan Mine
   Henry Buchanan Mine
   Marsden Buchanan Mine
   Pole Buchanan Mine
   Ramsay Buchanan Mine

   all of Jackson County. It is a new property, as yet unprospected and previously unnamed. For the record it should probably be called the V. O. Buchanan prospect.

2. Past Production and History. None. The applicant hasn't even been dug a prospect pit.

3. Reason for loan request. Question 2(b) of MF-103 has, as usual, been ignored. This report does not contain sufficient data to justify sending the field team to the property.

4. Excessive supervisory expenses. The applicant wants 2 supervisors ($600) to supervise the work of 4 laborers ($600).

This is not even a prospect. The applicant hasn't even dug through the soil to see what is below. The applicant has submitted no information that justifies any Government action.

Donald H. Kupfer

Attachment

December 26, 1951

[illegible]

[illegible] Nonmetallic Minerals Div. [illegible]

[illegible] Donald H. Kupfer [illegible] U. S. Geological Survey

[illegible] G. L. Green and Dexter Hall's [illegible]
(GMIA 2212) [illegible] V. O. Buchanan
[illegible]

[illegible] near Green's Creek, Jackson County, North Carolina

[illegible]

✓ 1. [illegible]
2. [illegible]

[illegible]

✓ 1. [illegible]
2. [illegible]
3. [illegible]
✓ 4. [illegible]
5. [illegible]
6. [illegible]
✓ 7. [illegible]
8. [illegible]
9. [illegible]
✓ 10. [illegible]
✓ 11. [illegible]
✓ 12. [illegible]
13. [illegible]
14. [illegible] see next page

Copy to: [illegible] Reading File, 2212
[illegible]
[illegible], C-220, [illegible]

Donald H. Kupfer
WFDeutsch [illegible]

Green and Hall's application (DMA-2212), proposes to spend $1920 to explore the V. O. Buchanan Prospect near Greens Creek, Jackson County, North Carolina for strategic mica. This is another in the series of applications referred to in Griffitts and my memo of November 6, 1951 to Robert Waskey, a copy of which is attached. This application has the same faults as the others, and should be ~~held until~~ denied unless the applicant submits more information.

1. Name and location. Because the applicant has included a crude sketch map of the location of the prospect, this prospect can be tentatively located. The applicant gives the name as the Buchanan Mine. However this is not the Buchanan Mine (Dream Mine) nor is it the:

   B C Buchanan Mine
   Harry Buchanan Mine
   Henry Buchanan Mine
   Marsden Buchanan Mine
   Pole Buchanan Mine
   Ramsay Buchanan Mine

   all of Jackson County. It is a new property, as yet unprospected and previously unnamed. For the record it should probably be called the V. O. Buchanan prospect.

2. Past Production and History. None. The applicant hasn't even been dug a prospect pit.

3. Reason for loan request. Question 2(b) of MF-103 has, as usual, been ignored. This report does not contain sufficient data to justify sending the field team to the property.

4. Excessive supervisory expenses. The applicant wants 2 supervisors ($600) to supervise the work of 4 laborers ($600).

This is not even a prospect. The applicant hasn't even dug through the soil to see what is below. The applicant has submitted no information that justifies any Government action.

Donald H. Kupfer

Donald H. Kupfer

Attachment

IN REPLY REFER TO:

G-MD-WRG:DHK

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

November 6, 1951

Memorandum

To: Robert Waskey, Defense Minerals Administration

From: W. R. Griffitts and D. H. Kupfer, U. S. Geological Survey

Subject: Defense Minerals Administration applications for exploration loans for the development of strategic mica in the Franklin-Sylva district, North Carolina.

The continued influx of applications for money to finance exploration for mica in Macon County, North Carolina, seems entirely out of proportion with the importance of the county as a mica producer. The number of applications, of course, results from the activities of the organization of mica promoters at Franklin. It is obvious from the manner of replying to the questions and from the paper and type used that most have been prepared in the same office.

Naturally a competent counsellor could help the miners a great deal in preparing the applications and could thereby aid the government in quickly and cheaply processing the applications. One might reasonably expect anyone who sets himself up as such a counsellor to try to obtain as complete information as possible before considering the application to be in final form. It is inevitable that such a person will receive less sympathy for his failings than an ignorant miner who is trying to get government assistance as best he can. When the "councillor" consistently fails to give proper consideration to certain important questions something should be done to emphasize the failing to him.

These applications give no evidence that the properties of the applicants are in any way different from any other property in the United States, except that they happen to occur in the Franklin-Sylva district of North Carolina.

There are three characteristic features of the Franklin applications that have been noted in all their recent applications.

1. Completely inadequate statements as to location and history. The recent history, including any recent names the "mine" may have had and any operators of the mine during World War II is especially important, as it is needed to check the Colonial Mica purchase record. That, or a concise statement of the location, is necessary in order to relate the deposit to the available geologic information.

2. Despite the printed instructions on the application that every question must be answered, item 22 (MF 103) on "the geological basis of the project" is consistently omitted. It is not asking too much to have a simple statement of the applicant's reasons for believing that the deposit is worth exploring, or, stated differently, why he believes that the possible reserves are large enough to justify exploration.

3. Checking the last five applications shows that the supervisory expenses estimated are exhorbitant. Three laborers are said to be needed in applications 2150, 2151, and 2196. They are said to require one "Engineer-supervisor" and one "Working foreman" to keep them going. This naturally can be corrected by the field team if a loan is recommended, but there is no need to continue this consistent padding by the Franklin group.

If some move is not made to stop the systematic failure of this group to include needed information the situation may deteriorate still further until the field team will be giving free consulting services to anyone who says he has mica and wants government money. It is suggested that applications 2150, 2151, 2152, 2153, 2196, 2197, and any similar applications received in the future be shelved until the applicants submit more information. Perhaps that will eventually induce the Franklin expert to include such information in the applications at the outset.

W. R. Griffitts

Griffitts:Kupfer:jeh
G-11/6/51
copy to: Director's Reading file 4212
Branch " 4212 D. H. Kupfer
DMA files
Kupfer G-230

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

DEPARTMENT OF THE INTERIOR
RECEIVED
DEC 6 1951
Defense Minerals Administration,
Production Expansion Division.

November 28, 1951

Memorandum

To: James A. Barr
Defense Minerals Exploration Administration
Room 7109, General Services Administration
Washington 25, D. C.

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

Gordon & Hall

Subject: MF-103, Buchanan Mine, North Carolina, Mica-exploration project, 2212.

Although I have no data on the prior history of subject property, it is located in a known mica district and seems worthy of a field team investigation.

W. F. Dietrich
W. F. DIETRICH

Enclosure

Telephone conversation
Detailed work go along with [illegible]
1/14/52

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
DEC 3 10 40 AM '51

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D.C.

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

NOV 13 9 03 AM '51

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Not To Be Filled in by Applicant

Docket No. DMA 2 2 1 2
Metal or Mineral Strategic Mica
Date Received 11-13-51
Amount $ $1,920
Participation (Government %) 90

BUCHANAN MINE

RECEIVED NOV 2 1951

Name and address of applicant

GREEN & HALL
GREENS CREEK
NORTH CAROLINA

Date 11/6/51

If you have already filed MF-100, give date filed attached, type of assistance requested Explor,

DMA Docket Number (if available) _____

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area. Both areas are the same

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. attached

2. (*a*) What metals or minerals do you expect to find? Strategic Mica

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

tached

Will start upon signing of contract

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

and complete within 15 working days.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. none

   (*b*) State the time required to start the project and to complete it. attached

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc. attached

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be— attached

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you attached

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

GREEN & HALL

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Partner

11/8/51

By G. L. Green

(Name of company) (Signature of authorized official)

(Date) (Title)

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—64067-2

2. Property lies within the main mica lead of western North Carolina. About 20 years ago Dexter Hall cut into the spot where exploration is now contemplated, with oxen and scrap-scoop pan; the vein was reached and blocks of strategic mica, up to 4" x 6" sheets, was recovered. This work is now covered but because of it, and many other surface signs, it is established that commercial bodies of ore can be released.

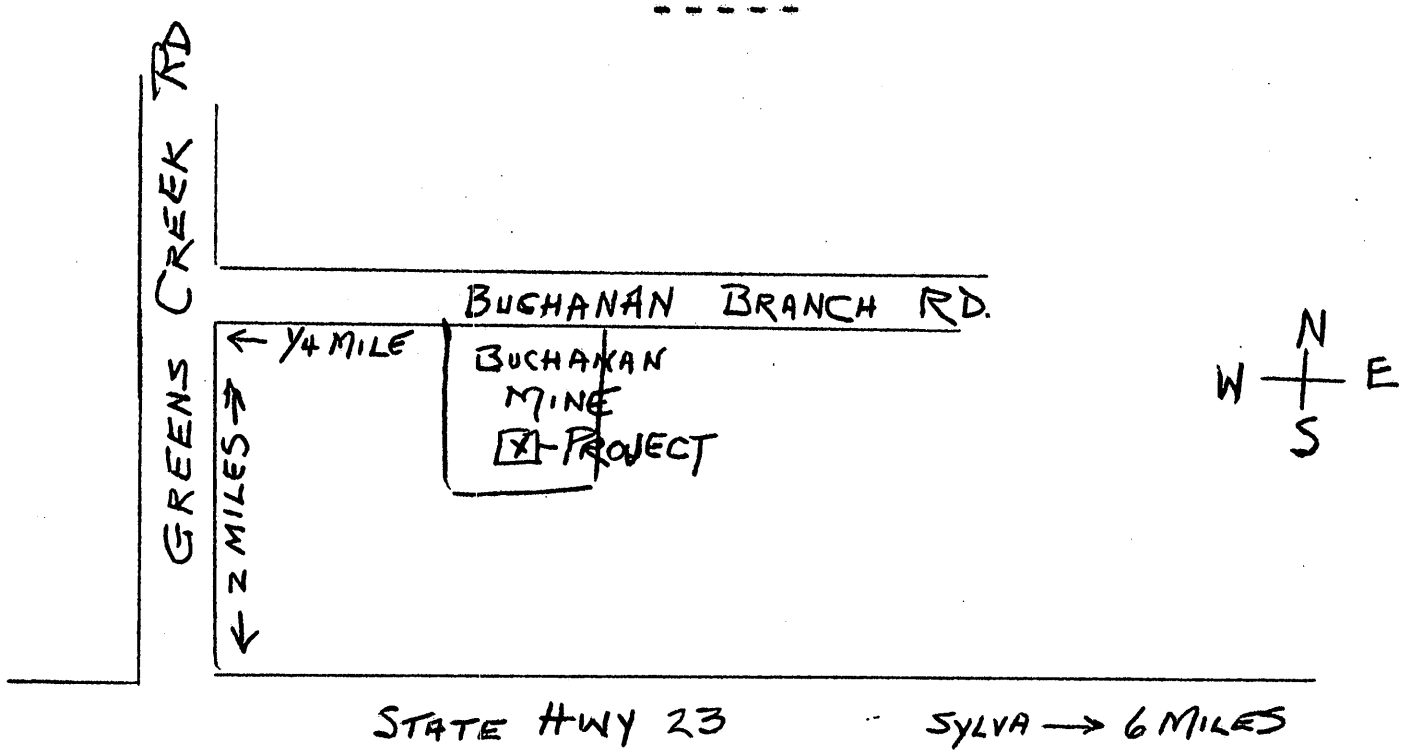
3. It is proposed to bulldoze the overburden for a distance of 100 feet long, 50 feet wide and 15 feet deep. This will expose the entire pegmatite and permit sinking of test pits (4 or 5) to determine best locations for sinking of shafts for future operation. The exploratory work can be completed in 20 days.

4. See attached.

COST OF PROJECT:

Dozer-trenching, 55 hours @ $10.00 per hour (rental)	$ 550.00
Miscellaneous hand tools	90.00
Superintendent-Engineer, 15 days @ $20.00 per day	300.00
Working Foreman, 20 days @ $15.00 per day	300.00
3 Laborers, 20 days each @ $10.00 per day each	600.00
Misc. expense, payroll taxes, office, sampling, etc.	80.00
TOTAL COST OF PROJECT	$ 1,920.00

- - - - -



MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of JACKSON, State of NORTH CAROLINA, described in a certain Exploration Project Contract dated _____, 195__, between GREEN & HALL, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated OCTOBER 30, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 6th day of November, 1951.

ELCIE BUCHANAN & ANNIE BUCHANAN

By Della Hall

Attorney in Fact
(in accordance with lease)

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

MF-103 GREEN & HALL GREENS CREEK, N.C. BUCHANAN MINE 11/6/51

1. LEGAL DESCRIPTION (property and area on which explorations is to be conducted are the same). Copy of lease:

THIS LEASE AGREEMENT, made and entered into this 30th day of October, 1951, by and between ELCIE BUCHANAN and wife ANNIE BUCHANAN, parties of the first part and DEXTER HALL and G. L. GREEN, parties of the second part, all of Jackson County, North Carolina, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said parties of the first part have let and leased unto the said parties of the second part, their heirs and assigna, the exclusive right and privilege to mine, dig and remove all minerals now in, under and upon a certain tract or parcel of land lying and being in Jackson County, State of North Carolina, consisting of nine acres (9) more or less, described as follows, together with any other minerals or lands now owned or which may be acquired by the parties of the first part:

BEING the lands conveyed by deed from V. O. Buchanan, et al, to Elcie, dated January 16, 1941 and recorded in the office of the Register of Deeds for Jackson County on February 25, 1947 in Book 152 on page 525.

THE TERMS AND CONDITI NS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as herein provided, this lease shall continue for a term of five (5) years from date hereof; however, it is mutually agreed that, upon compliance with its terms and conditions, same shall be automatically extended from year to year thereafter.

2. As rental or royalty, the parties of the second part, their heirs and assigns, shall pay to the parties of the first part a sum equall to ten percent (10%) of all sheet or block mica, One Dollar ($1.00) per ton for all scrap mica, fifty cents (50¢) per ton for all feldspar and the usual royalties for all other minerals mined and sold from said property.

3. That all royalties shall be paid on the fifteenth day of each calendar month following the production, sale and receipt of the sale price thereof.

4. Parties of the second part, their heirs and assigns, shall keep an accurate record of all sales of minerals from this property which shall be open to inspection by the parties of the first part.

5. The parties of the second part, their heirs or assigns, agree that they will conduct mining operations upon said property for a period of not less than eight months each year this lease remains in force.

6. In the event the parties of the second part should apply for a government loan to explore or operate this property, the parties of the first part hereby authorize Dexter Hall to execute any required government agreements, as their Attorney in Fact, for them and in their name.

So long as this lease remains in force the parties of the second part, their heirs and assigns, in connection therewith shall have and enjoy the following rights and privileges:

(a) The right to use the surface of said lands to the full extent that such use is reasonable, convenient and necessary in mining and removing the minerals therefrom and to use any portions of the said surface for the purpose of dumping mine refuse and tailings as may be reasonable necessary or convenient.

(b) The right to construct and place buildings on said lands, and machinery, and to remove same.

(c) The right to cut and use upon said lands, for the purposes herein set out, any standing timber thereon at the time of such use.

(d) The right to use any water upon said property as may be necessary in the course of mining operations.

(e) The right to construct and maintain roads, in such locations as the parties of the second part may deem advisable, and complete right of ingress, egress and regress to and from such portions of said property where mining operations are in progress or to be conducted.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

s/ ELCIE BUCHANAN
s/ ANNIE BUCHANAN
s/ DEXTER HALL

- - - - - - - -

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 22212

Date received 11-13-51

BUCHANAN MINE

GREEN & HALL
GREENS CREEK
NORTH CAROLINA

Name and address of applicant

Date 11/6/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced: Stratogic Mica
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 8½ miles from Sylva (N.E.)
   (*b*) Mining district. Franklin-Sylva
   (*c*) Township, Section, Range. Greens Creek
   (*d*) County, State. Jackson County, N. C.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☒ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____
   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

DEFENSE MINERALS ADMINISTRATION
NOV 13 1951

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: NONE THIS IS AN EXPLORATORY APPLICATION. OPERATION WILL START IMMEDIATELY UPON COMPLETION OF SAME.

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor: none

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

GREEN & HALL
(Name of company)

By G L Green
(Signature of authorized official)

11/6/51
(Date)

PARTNER
(Title)

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—63792-1

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

NOV 13 9 03 AM '51

Not To Be Filled in by Applicant

Docket No. DMA 2212
Metal or Mineral Strategic Mica
Date Received 11-13-51
Amount $ 81,920
Participation (Government %)

Name and address of applicant

BUCHANAN MINE

GREEN & HALL
GREENS CREEK
NORTH CAROLINA

Date 11/6/51

If you have already filed MF-100, give date filed attached, type of assistance requested Explor.,

DMA Docket Number (if available) _____

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area. Both areas are the same

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. attached

2. (*a*) What metals or minerals do you expect to find? Strategis Mica

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. attached

   (*b*) State the time required to start the project and to complete it. Will start upon signing of contract and complete within 15 working days.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. none

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. attached

7. Furnish a detailed list of operating equipment, separated into items to be— attached

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. attached

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above. attached

10. (*a*) How much are you prepared to invest in the proposed project? 10%

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? yes

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

GREEN & HALL
(Name of company)

By H. L. Green
(Signature of authorized official)
Partner

11/6/51
(Date)

(Title)

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—64067-2

2. Property lies within the main mica lead of western North Carolina. About 20 years ago Dexter Hall cut into the spot where exploration is now contemplated, with oxen and scrap-scoop pan; the vein was reached and blocks of strategic mica, up to 4" x 6" sheets, was recovered. This work is now covered but because of it, and many other surface signs, it is established that commercial bodies of ore can be released.

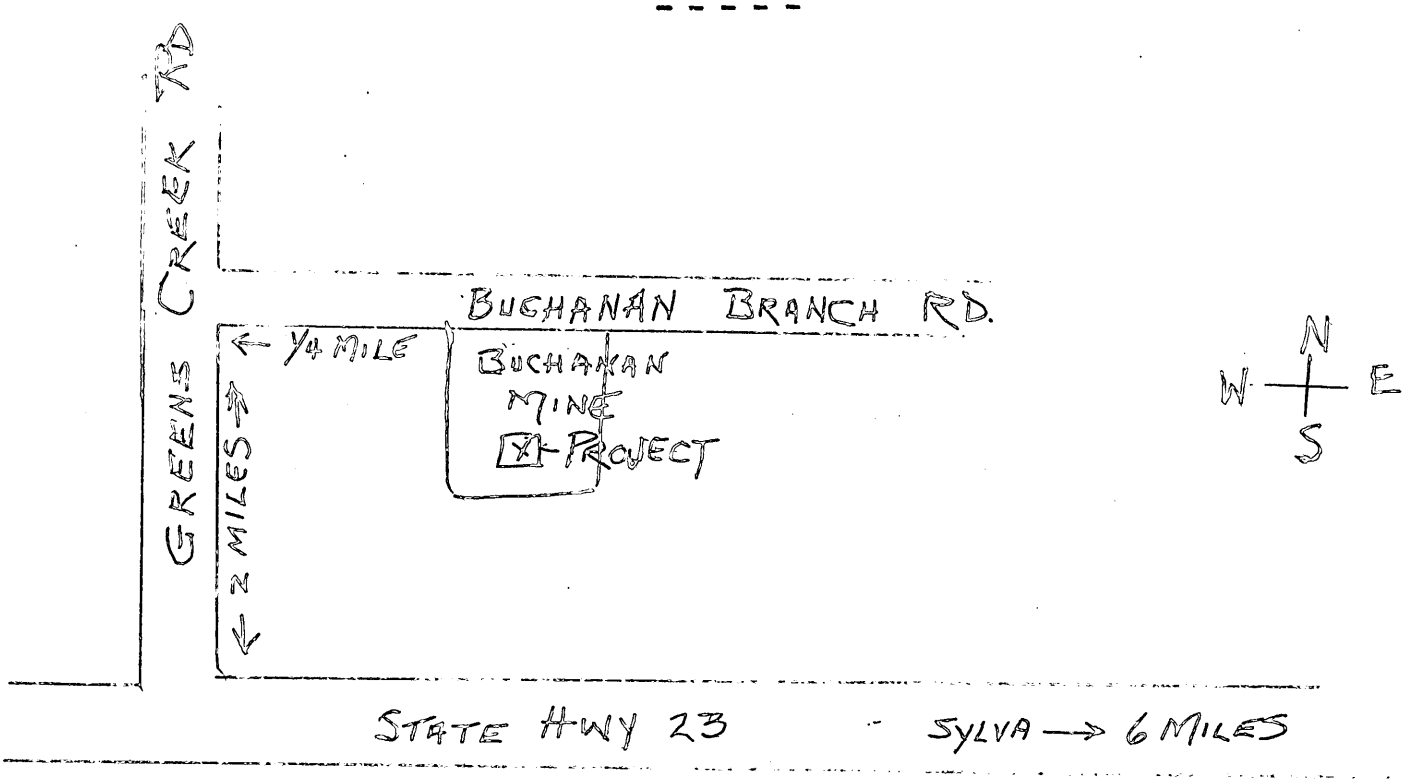
3. It is proposed to bulldoze the overburden for a distance of 100 feet long, 50 feet wide and 15 feet deep. This will expose the entire pegmatite and permit sinking of test pits (4 or 5) to determine best locations for sinking of shafts for future operation. The exploratory work can be completed in 20 days.

4. See attached.

COST OF PROJECT:

Dozer-trenching, 55 hours @ $10.00 per hour (rental)	$ 550.00
Miscellaneous hand tools	90.00
Superintendent-Engineer, 15 days @ $20.00 per day	300.00
Working Foreman, 20 days @ $15.00 per day	300.00
3 Laborers, 20 days each @ $10.00 per day each	600.00
Misc. expense, payroll taxes, office, sampling, etc.	80.00
TOTAL COST OF PROJECT	$ 1,920.00

- - - - -



MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of JACKSON, State of NORTH CAROLINA, described in a certain Exploration Project Contract dated _____, 195__, between GREEN & HALL, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated OCTOBER 30, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 6th day of November, 1951

ELCIE BUCHANAN & ANNIE BUCHANAN

By Dilton Hall

Attorney in Fact

(in accordance with lease)

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

1. LEGAL DESCRIPTION (property and area on which explorations is to be conducted are the same). Copy of lease:

THIS LEASE AGREEMENT, made and entered into this 30th day of October, 1951, by and between ELCIE BUCHANAN and wife ANNIE BUCHANAN, parties of the first part and DEXTER HALL and G. L. GREEN, parties of the second part, all of Jackson County, North Carolina, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said parties of the first part have let and leased unto the said parties of the second part, their heirs and assigna, the exclusive right and privilege to mine, dig and remove all minerals now in, under and upon a certain tract or parcel of land lying and being in Jackson County, State of North Carolina, consisting of nine acres (9) more or less, described as follows, together with any other minerals or lands now owned or which may be acquired by the parties of the first part:

BEING the lands conveyed by deed from V. O. Buchanan, et al, to Elcie, dated January 16, 1941 and recorded in the office of the Register of Deeds for Jackson County on February 25, 1947 in Book 152 on page 525.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as herein provided, this lease shall continue for a term of five (5) years from date hereof; however, it is mutually agreed that, upon compliance with its terms and conditions, same shall be automatically extended from year to year thereafter.

2. As rental or royalty, the parties of the second part, their heirs and assigns, shall pay to the parties of the first part a sum equall to ten percent (10%) of all sheet or block mica, One Dollar ($1.00) per ton for all scrap mica, fifty cents (50¢) per ton for all feldspar and the usual royalties for all other minerals mined and sold from said property.

3. That all royalties shall be paid on the fifteenth day of each calendar month following the production, sale and receipt of the sale price thereof.

4. Parties of the second part, their heirs and assigns, shall keep an accurate record of all sales of minerals from this property which shall be open to inspection by the parties of the first part.

5. The parties of the second part, their heirs or assigns, agree that they will conduct mining operations upon said property for a period of not less than eight months each year this lease remains in force.

6. In the event the parties of the second part should apply for a government loan to explore or operate this property, the parties of the first part hereby authorize Dexter Hall to execute any required government agreements, as their Attorney in Fact, for them and in their name.

So long as this lease remains in force the parties of the second part, their heirs and assigns, in connection therewith shall have and enjoy the following rights and privileges:

(a) The right to use the surface of said lands to the full extent that such use is reasonable, convenient and necessary in mining and removing the minerals therefrom and to use any portions of the said surface for the purpose of dumping mine refuse and tailings as may be reasonable necessary or convenient.

(b) The right to construct and place buildings on said lands, and machinery, and to remove same.

(c) The right to cut and use upon said lands, for the purposes herein set out, any standing timber thereon at the time of such use.

(d) The right to use any water upon said property as may be necessary in the course of mining operations.

(e) The right to construct and maintain roads, in such locations as the parties of the second part may deem advisable, and complete right of ingress, egress and regress to and from such portions of said property where mining operations are in progress or to be conducted.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

s/ ELCIE BUCHANAN
s/ ANNIE BUCHANAN
s/ DEXTER HALL

- - - - - - - -

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dmm 2 2 12

Date received 11-13-51

BUCHANAN MINE

GREEN & HALL
GREENS CREEK
NORTH CAROLINA

Name and address of applicant

Date 11/6/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced: Strategic Mica
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. $8\frac{1}{4}$ milesfrom Sylva (N.E.)
   (*b*) Mining district. Franklin-Sylva
   (*c*) Township, Section, Range. Greens Creek
   (*d*) County, State. Jackson County, N. C.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: NONE THIS IS AN EXPLORATORY APPLICATION. OPERATION WILL START IMMEDIATELY UPON COMPLETION OF SAME.

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor: none

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

GREEN & HALL
(Name of company)

By G. L. Green
(Signature of authorized official)

11/6/51
(Date)

PARTNER
(Title)

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—63792-1

Green & Hall
Greens Creek,
North Carolina

Subject: DMA-2212
Re: Exploration Loan
Buchanan Mine

My dear Sirs:

This will acknowledge receipt of your application dated November 6, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2212 and referred to the Nonmetallics Branch.

Kindly refer to DMA-2212 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.

MF-103 Should Be Filed With General Technical Data Form MF-100

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

Nov 13 9 03 AM '51

Not To Be Filled in by Applicant

Docket No. dma 2 2 12
Metal or Mineral
Date Received 11-13-51
Amount $ #1,920
Participation (Government %) 90

DUCHAMAN FILE

Name and address of applicant

Date 11/6/51

If you have already filed MF-100, give date filed attached, type of assistance requested Explor,

DMA Docket Number (if available)

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

   (*c*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area. Both areas are the same

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract. attached

2. (*a*) What metals or minerals do you expect to find? Strategic Mica

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project. attached

   (*b*) State the time required to start the project and to complete it. Will start upon signing of contract and complete within 15 working days.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition. none

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item. attached

7. Furnish a detailed list of operating equipment, separated into items to be— attached

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each. attached

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above. attached

10. (*a*) How much are you prepared to invest in the proposed project? 10%

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)? yes

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

GRIM & GILL
(Name of company)

By G. L. Green
(Signature of authorized official)

Partner
(Title)

11/6/51
(Date)

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—64067-2

2. Property lies within the main mica belt of western North Carolina. About 20 years ago Dexter Hall cut into the spot where exploration is now contemplated, with oxen and scrap-scoop pan; the vein was reached and blocks of strategic mica, up to 4" x 6" sheets, was recovered. This work is now covered but because of it, and many other surface signs, it is established that commercial bodies of ore can be released.

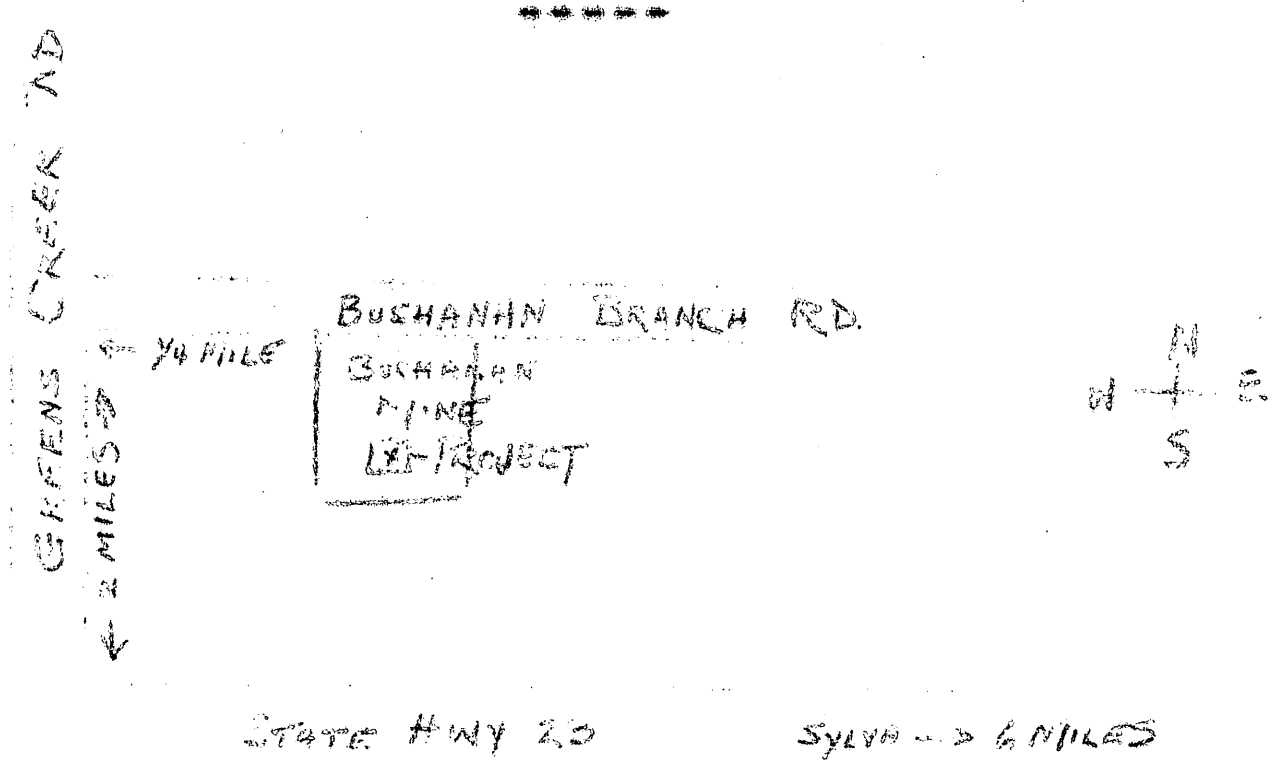
3. It is proposed to bulldoze the overburden for a distance of 100 feet long, 50 feet wide and 15 feet deep. This will expose the entire pegmatite and permit sinking of test pits (4 or 5) to determine best locations for sinking of shafts for future operation. The exploratory work can be completed in 20 days.

4. See attached.

COST OF PROJECT:

Dozer-trenching, 55 hours @ $10.00 per hour (rental)	$ 550.00
Miscellaneous hand tools	90.00
Superintendent-Engineer, 15 days @ $20.00 per day	300.00
Working Foreman, 20 days @ $15.00 per day	300.00
3 Laborers, 20 days each @ $10.00 per day each	600.00
Misc. expense, payroll taxes, office, sampling, etc.	80.00
TOTAL COST OF PROJECT	$ 1,920.00

- - - - -



MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of _____, State of _____, described in a certain Exploration Project Contract dated _____, 195___, between _____, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated _____ _____, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this _____ day of _____, 195___

_____

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

MP-103 GREEN & HALL GRAHAM COUNTY, N.C. BUCHANAN MINE 11/6/51

1. LEGAL DESCRIPTION (property and area on which explorations is to be conducted are the same). Copy of lease:

THIS LEASE AGREEMENT, made and entered into this 30th day of October, 1951, by and between ELCIE BUCHANAN and wife ANNIE BUCHANAN, parties of the first part and DEXTER HALL and G. L. GREEN, parties of the second part, all of Jackson County, North Carolina, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said parties of the first part have let and leased unto the said parties of the second part, their heirs and assigns, the exclusive right and privilege to mine, dig and remove all minerals now in, under and upon a certain tract or parcel of land lying and being in Jackson County, State of North Carolina, consisting of nine acres (9) more or less, described as follows, together with any other minerals or lands now owned or which may be acquired by the parties of the first part:

BEING the lands conveyed by deed from V. O. Buchanan, et al, to Elcie, dated January 16, 1941 and recorded in the office of the Register of Deeds for Jackson County on February 25, 1947 in Book 152 on page 525.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as herein provided, this lease shall continue for a term of five (5) years from date hereof; however, it is mutually agreed that, upon compliance with the terms and conditions, same shall be automatically extended from year to year thereafter.

2. As rental or royalty, the parties of the second part, their heirs and assigns, shall pay to the parties of the first part a sum equall to ten percent (10%) of all sheet or block mica, One Dollar ($1.00) per ton for all scrap mica, fifty cents ($0.) per ton for all feldspar and the usual royalties for all other minerals mined and sold from said property.

3. That all royalties shall be paid on the fifteenth day of each calendar month following the production, sale and receipt of the sale price thereof.

4. Parties of the second part, their heirs and assigns, shall keep an accurate record of all sales of minerals from this property which shall be open to inspection by the parties of the first part.

5. The parties of the second part, their heirs or assigns, agree that they will conduct mining operations upon said property for a period of not less than eight months each year this lease remains in force.

6. In the event the parties of the second part should apply for a government loan to explore or operate this property, the parties of the first part hereby authorize Dexter Hall to execute any required government agreements, as their Attorney in fact, for them and in their name.

So long as this lease remains in force the parties of the second part, their heirs and assigns, in connection therewith shall have and enjoy the following rights and privileges:

(a) The right to use the surface of said lands to the full extent that such use is reasonable, convenient and necessary in mining and removing the minerals therefrom and to use any portions of the said surface for the purpose of dumping mine refuse and tailings as may be reasonable necessary or convenient.

(b) The right to construct and place buildings on said lands, and machinery, and to remove same.

(c) The right to cut and use upon said lands, for the purposes herein set out, any standing timber thereon at the time of such use.

(d) The right to use any water upon said property as may be necessary in the course of mining operations.

(e) The right to construct and maintain roads, in such locations as the parties of the second part may deem advisable, and complete right of ingress, egress and regress to and from such portions of said property where mining operations are in progress or to be conducted.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

s/ BASIL BUCHANAN
s/ ANNIE BUCHANAN
s/ DEXTER HALL

- - - - - - - -

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dmm 22112

Date received 11-13-51

Name and address of applicant

Date

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: [illegible]

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

[illegible]

(Name of company)

By G. L. Green

(Signature of authorized official)

[illegible]

(Date)

[illegible]

(Title)

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—63792-1