DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2224

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

To:	Nonmetallics Br.	Date	11/16/51
To:	F. L. KNOUSE	Date	11-28-51
To:	Mr. JOSEPHSON-U.S.B.M. & Mr. NORTON U.S.G.S.	Date	11-28-57
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

INT.-DUP. SEC., WASH., D.C. 98868

Mr. Robert A. Lawrence
Executive Officer
DMA Field Team, Region VII
Room 13, Post Office Building
Knoxville 01, Tennessee

Subject: Exploration Applications denied without field referral, Region VII

Dear Mr. Lawrence:

We enclose one copy of each application pertaining to your region for cases denied without field referral. These are for your information and files.

If, in your opinion any of these properties merit further consideration, a new application will be necessary.

Copies of the following applications are included:

Docket number DMA -

1583	2119
1675	2151
1903	2196
1912	2197
1946	2204
1995	2224
2070	2285

Sincerely yours,

Signed 4-14

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

Enclosures - 14
SAFeitlerimp 4/10/52
cc: Docket File
Adm. Reading File
Mr. Norton G-228, GSA Bldg.
Mr. Dietrich, 3526
Mr. Houk

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

Mr. Dexter Hall
Greens Creek
North Carolina

Subject: Docket No. DMEA-2224 - Mica
Hall-Cagle Mine
Jackson County, North Carolina

Dear Mr. Hall:

Receipt is acknowledged of Mr. Frank Siersma's letter replying to our request for additional information of the Hall-Cagle Mine. You state that the vein has been uncovered at project No. 3 showing pegmatite six feet wide, ten feet long, and four feet deep containing flat clear strategic mica.

This office would be pleased to receive a sample of the mica. The sample should be about one-half pound in weight, and should be fully trimmed. Each piece should be 1/16 to 1/8 inch in thickness, and you should state in your accompanying letter the size books the mica was sheeted from.

Sincerely yours,

Lgd 3-14-52 M.P.

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

LGHouk:gad 3/13/52

Copy to: Admin. Reading File
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

Mr. Dexter Hall
Greens Creek
North Carolina

Subject: Docket No. DMEA-2224 - Mica
Hall-Cagle Mine
Jackson County, North Carolina

Dear Mr. Hall:

Receipt is acknowledged of Mr. Frank Sierman's letter replying to our request for additional information of the Hall-Cagle Mine. You state that the vein has been uncovered at project No. 3 showing pegmatite six feet wide, ten feet long, and four feet deep containing flat clear strategic mica.

This office would be pleased to receive a sample of the mica. The sample should be about one-half pound in weight, and should be fully trimmed. Each piece should be 1/16 to 1/8 inch in thickness, and you should state in your accompanying letter the size books the mica was sheared from.

Sincerely yours,

Lgh 3-14-52

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

LGHouk:gad 3/13/52

Copy to: Admin. Reading File
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

600 MAR 14 1952

Mr. Dexter Hall
Greens Creek
North Carolina

Subject: Docket No. DMRA-2224 - Mica
Hall-Eagle Mine
Jackson County, North Carolina

Dear Mr. Hall:

Receipt is acknowledged of Mr. Frank Sierema's letter replying to our request for additional information of the Hall-Eagle Mine. You state that the vein has been uncovered at project No. 3 showing pegmatite six feet wide, ten feet long, and four feet deep containing flat clear strategic mica.

This office would be pleased to receive a sample of the mica. The sample should be about one-half pound in weight, and should be fully trimmed. Each piece should be 1/16 to 1/8 inch in thickness, and you should state in your accompanying letter the mine books the mica was shipped from.

Sincerely yours,

Signed

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

LGHouk:gad 3/13/52

Copy to: Admin. Reading File
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

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

January 16, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: Frank Simmons's letter of December 31, 1951, giving supplemental data on Dexter Hall's application DMEA 2224 on the Hall-Cagle Mine, Jackson County, North Carolina.

Subject letter and accompanying sketches does not add any significant information to justify a field examination.

W. F. DIETRICH

Enclosures

WFDietrich/rk

Copy to: Minerals Division
Ceram. & Fert. Mat. Br.
Mr. Houk
F I L E S

JAN 1 5 1952

Mr. Dexter Hall
Cross Creek
North Carolina

Re: Docket No. DMEA 3224 - Mica
Hall-Eagle Prospect

Dear Mr. Hall:

Your application for exploration assistance on the Hall-Eagle mica prospect located in Jackson County, North Carolina has been reviewed by the Defense Minerals Exploration Administration.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade, physical character and specifications in quantities that will significantly improve the mineral supply position for National Defense.

Your request for exploration aid is not granted because you have failed in your proposal to demonstrate to the satisfaction of the Defense Minerals Exploration Administration that the geologic probability of disclosing mineable reserves is sufficiently encouraging to justify Government participation.

Sincerely yours,

Signed

Acting Administrator
Defense Minerals Exploration
Administration

LHook/maj/mch
1/4/52
cc to: Adm. R. Miles
Mr. Hails & Miles
Mr. Mittendorf
Mr. Dietrich
Mr. Norton
Mr. Nook
Region VII (2)
Docket

November 28, 1951

Memorandum

To: Mr. G. H. Josephson - USGS
Interior Building - Room 3510

Mr. J. J. Morton - GSA
General Services Building Room G-228

From: Acting Administrator
Defense Strategic Exploration
Administration

Subject: Docket No. DMEA - 2224
Dexter Hall
Hall-Eagle Mine
Exploration Project Application

Attached hereto are Forms MF-100, MF-103, and MF-202, together with attachments covering the above-subject application.

Please review these data and return together with your findings and recommendations to this office.

Enclosures

FLKnouse/meb

cc to: Adm.Reading File
Reports & Records
Mr. Mittendorf
FLKnouse
Docket

FILE COPY
SURNAME:

SAFeitler
LGHouk

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

[illegible]

[illegible]
Executive Officer
[illegible]
[illegible] Post Office Building
[illegible], Tennessee

[illegible]

[illegible] for [illegible] without [illegible] referral. [illegible] for your [illegible] files.

If, in your opinion [illegible] conformation, [illegible] will be [illegible].

[illegible] of the following [illegible]

[illegible]

[illegible]	119
[illegible]	[illegible]
[illegible]	196
[illegible]	197
[illegible]	[illegible]
1955	224
[illegible]	2085

Sincerely yours,

4/14

Signed 4-14-52

[illegible]
[illegible]
[illegible]
Administration

[illegible] - 14
[illegible]
cc: [illegible]
[illegible]
[illegible]
[illegible] Interior, [illegible]
[illegible]

FILE COPY
SURNAME:

S Feiles
Mica

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

MAR 14 1952

Mr. Dexter Hall
Greems Creek
North Carolina

Subject: Docket No. DMEA-2224 - Mica
Hall-Cagle Mine
Jackson County, North Carolina

Dear Mr. Hall:

Receipt is acknowledged of Mr. Frank Siersma's letter replying to our request for additional information of the Hall-Cagle Mine. You state that the vein has been uncovered at project No. 3 showing pegmatite six feet wide, ten feet long, and four feet deep containing flat clear strategic mica.

This office would be pleased to receive a sample of the mica. The sample should be about one-half pound in weight, and should be fully trimmed. Each piece should be 1/16 to 1/8 inch in thickness, and you should state in your accompanying letter the size books the mica was sheeted from.

Sincerely yours,

Signed S.H. 3-14-52

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

LGHouk:gad 3/13/52

Copy to: Admin. Reading File
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232, GSA Bldg.
Mr. Houk

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

January 16, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: Frank Siersma's letter of December 31, 1951, giving supplemental data on Dexter Hall's application DMEA 2224 on the Hall-Cagle Mine, Jackson County, North Carolina.

Subject letter and accompanying sketches does not add any significant information to justify a field examination.

W. F. Dietrich

W. F. DIETRICH

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 16 1952

IN REPLY REFER TO:
G-MD-DHK

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

January 10, 1952

Memorandum

To: Non-metallic Minerals Division, DMEA

From: Donald H. Kupfer, U. S. Geological Survey

Subject: Frank Siersma's letter of December 31, 1951, giving supplemental data on Dexter Hall's application DMEA 2224 on the Hall-Cagle Mine, Jackson County, North Carolina.

The above letter with its two accompanying illustrations present no new data that alters my recommendation of denial dated December 26, 1951.

Donald H. Kupfer

Donald H. Kupfer

BUREAU OF MINES
WASHINGTON, D. C.

JAN 14 11 43 AM '52

OFFICE OF THE ADMINISTRATOR

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

600

January 8, 1952

Memorandum

To: Mr. W. F. Dietrich - USBM
Room 3526

Mr. J. J. Norton - USGS
GSA Building - Room G-228

From: Acting Administrator
Defense Minerals Exploration
Administration

Subject: Docket No. DMEA - 2224
Dexter Hall
Hall-Cagle Mine
Exploration Project Contract

Further to the information transmitted to you on November 28, 1951 on the subject case, we are attaching a letter and two pencil sketches from Mr. Frank Siersma dated December 31, 1951, covering this project which shows the proposed exploration work in relation to earlier exploration work done.

Only the originals of these data were sent to this office so please return the material with your findings and recommendations to this office.

Attachments

NATIONAL MINERS' ASSOCIATION

HIGHLANDS RD. AT MAIN ST.

FRANKLIN, NORTH CAROLINA

A CONFEDERATION OF AMERICAN MINERAL MINERS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 2 - 1952

ANDREW W. REID
CHAIRMAN
BOARD OF DIRECTORS

ROY H. FOUTS
SECRETARY

HARRY PATTON
TREASURER

FRANK SIERSMA
CHAIRMAN LOCAL
MINING COMMITTEE

JUDGE C. M. TRAMMELL
CONSULTANT
717 BARR BUILDING
WASHINGTON 6, D. C.

December 31, 1951

Mr. Frank E. Johnson
Acting Administrator
D. M. E. A.
Washington 25, D. C.

Re: Docket No. DMEA 2224
Hall Cagle Mine

Dear Mr. Johnson:

Mr. Dexter Hall has asked that I reply to your letter of December 18 regarding his application.

Enclosed are two sketches which include most of the data requested. Since past workings consisted of shallow pits, in many locations throughout this area, it is difficult to estimate the length and width of the pegmatite. However, it is quite definitely believed that it is sufficiently large enough to warrant exploration and will lead to the release of large bodies of mica of strategic quality - and in commercial quantities.

Mr. Hall has filed other applications and now realizes he can utilize the services of a superintendent-engineer on each - at part time. For the Hall-Cagle Mine such services can be limited to 5 days at $20.00 per day. Total cost can therefore be reduced.

I have discussed with Mr. Hall, at great length, the various applications he has made. Because he has resided in the area most of his life, and is thoroughly familar with mica mining, I feel quite sure he has selected for exploration only such properties which he is certain will produce satisfactory results and, when worked, release the required quality - in profitable quantities.

I have personally made an extensive study of pegmatite formations in Macon and Jackson Counties and am satisifed most applicants can justify their beliefs if provided with the necessary cooperation. I trust you can see fit to pass this application for examination by the Field Team unless additional information is desired.

Thanking you for your consideration to our members, I am

Sincerely yours,

Frank Siersma

Frank Siersma
Executive Secretary

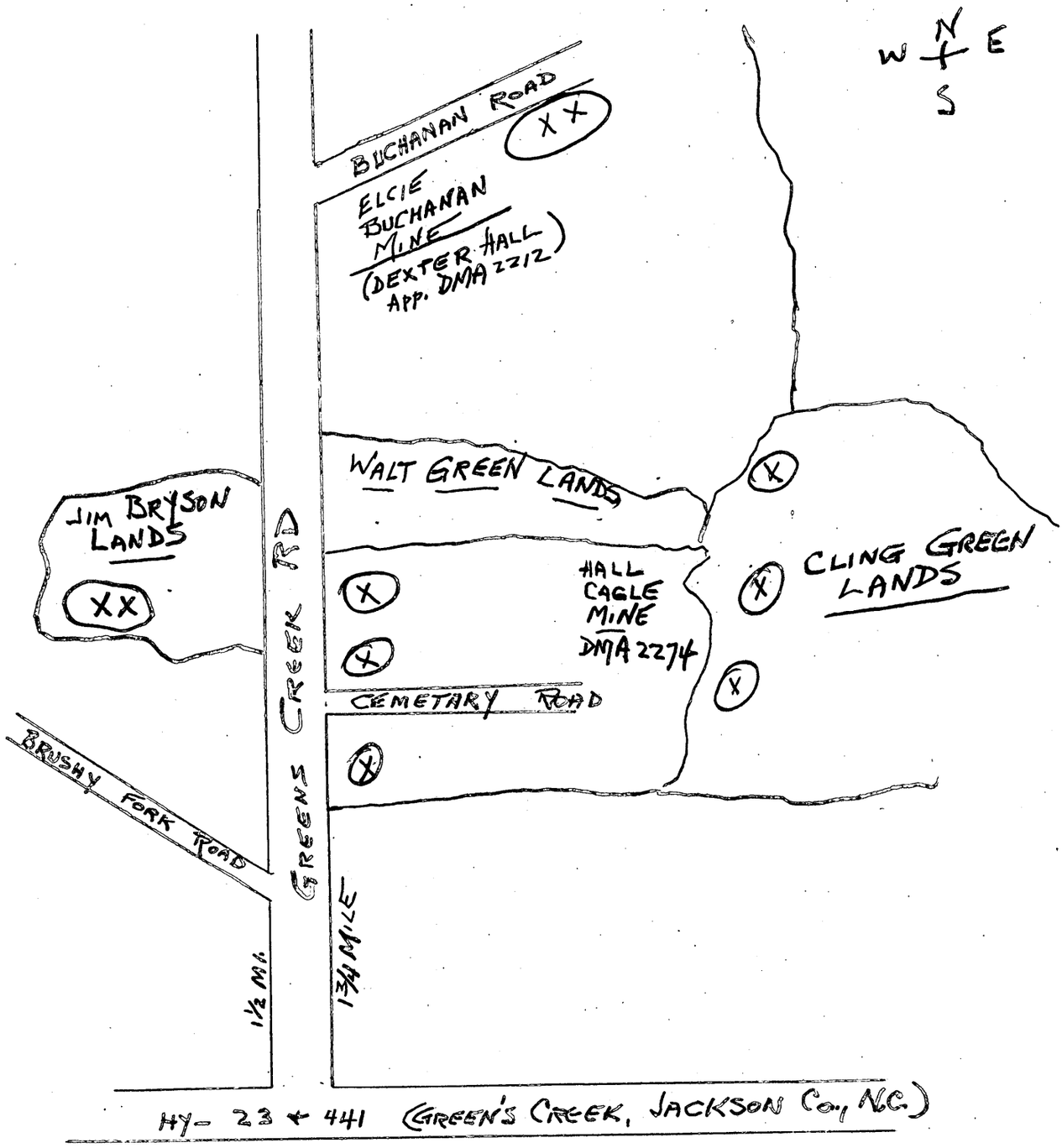
FTS:em

CC: Dexter Hall

MF-103 DEXTER HALL GREENS CREEK, N.C. HALL-CAGLE MINE DMEA 2224 12/31/51

EXPOSED PEGMATITE IN HALL-CAGLE MINE AND ADJOINING PROPERTIES

PAST PROSPECTING MARKER - X -



PROSPECTING, WITH EXCELLENT RESULTS, HAS OCCURRED IN PAST YEARS ON THE LANDS OF JIM BRYSON, CLING GREEN AND ELCIE BUCHANAN.

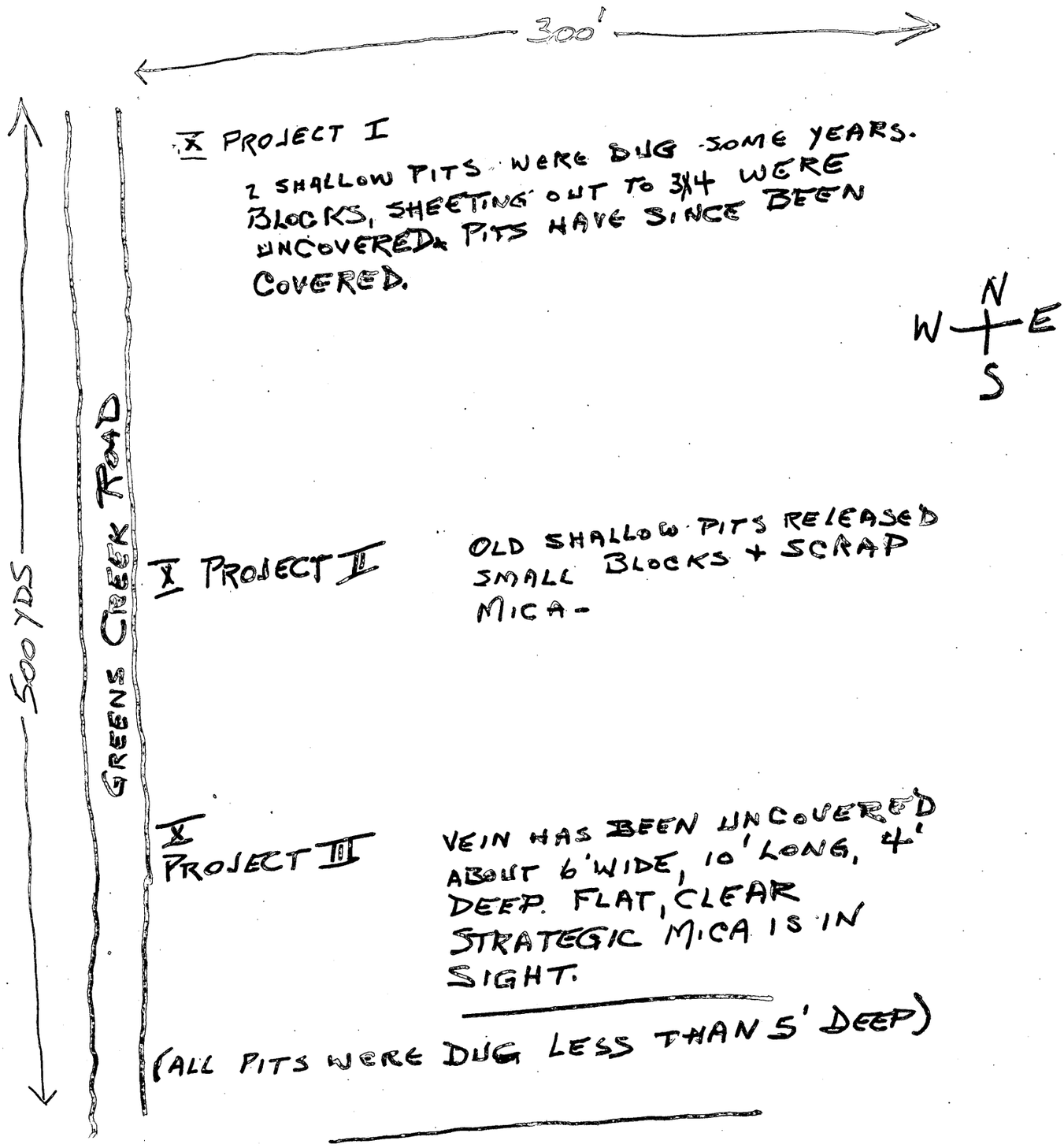
EXACT DIRECTION OF THE MICA LEAD HAS NOT BEEN ESTABLISHED BECAUSE FULL OPERATIONS HAVE NOT PROCEEDED. HOWEVER, DUE TO THE MANY EXPOSURES IT IS DEFINITELY BELIEVED THAT LARGE COMMERCIAL BODIES EXIST IN THE PEGMATITE PASSING THROUGH THE DISTRICT.

- - - - -

MF-103 DEXTER HALL GREENS CREEK, N.C. HALL-CAGLE MINE DMEA 2224 12/31/51

EXPOSED PEGMATITE IN HALL-CAGLE MINE

PROPOSED WORK WILL BE CONDUCTED AT ABOUT THE SAME LOCATIONS AS PAST WORKINGS, BECAUSE THOSE WORKINGS PRODUCED RESULTS IN LINE WITH PRESENT EXPLORATORY PROCEDURES CONNECTED WITH REGULATIONS.



PROPOSED WORK IS INTENDED TO PROCEED BY PROJECTS; RESULTS FROM EACH TO DETERMINE CONTINUENCE

600

FILE COPY
SURNAME:

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

S.A.

JAN 15 1952

Norton
Dietrich
Meyer
Rothman
Hedges

Mr. Dexter Hall
Greens Creek
North Carolina

Re: Docket No. DMEA 2224 - Mica
Hall-Cagle Prospect

Dear Mr. Hall:

Your application for exploration assistance on the Hall-Cagle mica prospect located in Jackson County, North Carolina has been reviewed by the Defense Minerals Exploration Administration.

Projects approved by the Defense Minerals Exploration Administration must, in its judgement, show definite promise of yielding materials of acceptable grade, physical character and specifications in quantities that will significantly improve the mineral supply position for National Defense.

Your request for exploration aid is not granted because you have failed in your proposal to demonstrate to the satisfaction of the Defense Minerals Exploration Administration that the geologic probability of disclosing minable reserves is sufficiently encouraging to justify Government participation.

Sincerely yours,

Signed S.H. 1-15-52

Acting Administrator
Defense Minerals Exploration
Administration

LHouk/hmj/meh
1/4/52
cc to: Adm. R. File
~~Mail~~ Mails & Files
Mr. Mittendorf
Mr. Dietrich
Mr. Norton
Mr. Houk
Region VII (2)
Docket

IN REPLY REFER TO:
G-MD-DHK

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

January 10, 1952

Memorandum

To: Non-metallic Minerals Division, DMEA

From: Donald H. Kupfer, U. S. Geological Survey

Subject: Frank Sierema's letter of December 31, 1951, giving supplemental data on Dexter Hall's application DMEA 2224 on the Hall-Cagle Mine, Jackson County, North Carolina.

The above letter with its two accompanying illustrations present no new data that alters my recommendation of denial dated December 26, 1951.

Donald H. Kupfer

DHKupfer:hhp
G-1/11/52
cc: Director's Reading file, 4212
Branch Reading file, 4212
DMEA
DHKupfer, G-228, GSA Bldg., USGS
extra copy

Mr. Norton: I have no data on this. If you will route it back to me with your comments, I'll partly concur

W. F. Dietrich
1/9/52

Mr Houk - CODE 600 - RM. 4637

The original went over to Dietrich along with the docket, per this note of his.

Don

FILE COPY
SURNAME:

600

F L Knouse

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

January 8, 1952

Memorandum

To: Mr. W. F. Dietrich - USBM
Room 3526

Mr. J. J. Norton - USGS
GSA Building - Room G-228

From: Acting Administrator
Defense Minerals Exploration
Administration

Subject: Docket No. DMEA - 2224 - $ 3,180.
Dexter Hall
Hall-Cagle Mine
Exploration Project Contract

Further to the information transmitted to you on November 28, 1951 on the subject case, we are attaching a letter and two pencil sketches from Mr. Frank Siersma dated December 31, 1951, covering this project which shows the proposed exploration work in relation to earlier exploration work done.

Only the originalsof these data were sent to this office so please return the material with your findings and recommendations to this office.

C. O. Mittendorf (fw)

Attachments

FLKnouse/meb
cc to: Adm.Reading File
Mails and Files ✓ 1-9-52 J.D.
Mr. Mittendorf
Mr. Knouse
Docket

January 8, 1952

Memorandum

To: Mr. W. F. Dietrick - USBM
Room 3526

Mr. J. J. Norton - USGS
GSA Building - Room G-226

From: Acting Administrator
Defense Minerals Exploration
Administration

Subject: Docket No. DMEA - 2224
Dexter Hall
Hall-Eagle Mine
Exploration Project Contract

Further to the information transmitted to you on November 28, 1951 on the subject case, we are attaching a letter and two pencil sketches from Mr. Frank Sierena dated December 31, 1951, covering this project which shows the proposed exploration work in relation to earlier exploration work done.

Only the originals of these data were sent to this office so please return the material with your findings and recommendations to this office.

C. O. Mittendorf

Attachments

FLKnouse/meb
cc to: Adm.Reading File
Mails and Files
Mr. Mittendorf
Mr. Knouse
Docket

December 26, 1951

L. Houk

Donald H. Kupfer

Dexter Hall's
2224 Hall-Cagle

7 3/4 miles NW of Sylva, Jackson County, North Carolina

Comm: W F Dellinger

December 26, 1951

L. Houk

Donald H. Kupfer

Dexter Hall's
2224

Hall-Cagle

7 3/4 miles NW of Sylva, Jackson County, North Carolina

WRD

FILE COPY
SURNAME (30)

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

F E Knouse
F E Johnson

DEC 1 8 1951

Mr. Xavier Hall
Greene Creek
North Carolina

Re: Docket No. [illegible]
Hall Eagle Mine
Exploration Project Application

Dear Mr. Hall:

We wish to advise that this office is now processing your application for exploration aid on the above-referenced project, but in order for us to continue with the processing, additional information will be required.

The information required is as follows:

1. Item 15a of your application, Form DM-303 - It is not clear whether the location of the proposed work is near the area where earlier exploration work exposed the pegmatite and strategic grades of mica. Will you please describe in detail the pegmatite, length and width, and the mica mineralization that was exposed in relation to the proposed work, as well as what you expect this work to expose or discover. This could be illustrated by a sketch showing the old workings in relation to the proposed work with a description of the mineralization. If the pegmatite has been exposed on an adjoining property it should be indicated on the sketch.

2. Item 23 of your application - will you require the services of a superintendent-engineer for the period of time indicated, together with the services of a working foreman to do the proposed work?

Upon this information is received we shall continue to process your contract.

Sincerely yours,

(signed) FRANK E. JOHNSON (for)

Acting Administrator
Defense Minerals Exploration
Administration

BE

FEKnouse:mp 12/14/51
cc: Adm. Reading File
Mail Section
Mr. Mittendorf
Mr. Deitrick, USBM
Mr. Norton, USGS
Field Team, Region VII (2)
Mr. Knouse
Docket

JCD 12-18-51

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

Mr. Krause

December 11, 1951

Memorandum

To: C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration

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

Subject: Docket No. DMEA-2224
Dexter Hall
Hall-Cagle Mine
Exploration Project Application

To the best of my knowledge we do not have any records of subject property under the name of Hall-Cagle, either or in combination, Bryson (former owner), or Greens Creek, Jackson County, North Carolina.

The property is in an area dotted with mica occurrences, but it seems advisable to request further information on the past history and present evidence of mica occurrence before considering a field team investigation.

The cost estimate seems reasonable and should allow ample margin for test pitting.

W. F. Dietrich

W. F. DIETRICH

FILE COPY
SURNAME:

410

F L Knouse
Mittendorf

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

November 28, 1951

BL

Memorandum

To: Mr. G. W. Josephson - USBM
Interior Building - Room 3510

Mr. J. J. Norton - USGS
General Services Building Room G-228

From: Acting Administrator
Defense Minerals Exploration
Administration

Subject: Docket No. DMEA - 2224
Dexter Hall
Hall-Cagle Mine
Exploration Project Application

Attached hereto are Forms MF-100, MF-103, and MF-202, together with attachments covering the above-subject application.

Please review these data and return together with your findings and recommendations to this office.

C. O. Mittendorf (for)

N.S
R&R

Enclosures

FLKnouse/meb

cc to: Adm.Reading File
Reports & Records
Mr. Mittendorf
FLKnouse
Docket

Subject: DMA-2224
Re: Exploration Loan
Hall-Eagle Mine

Mr. Dexter Hall
Greens Creek,
North Carolina

My dear Mr. Hall:

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-2224 and referred to the Nonmetallics Branch.

Kindly refer to DMA-2224 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams, Chief
Reports & Records Unit

7862

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERI

DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
NOV 13 9 04 AM '51

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 2224

Date received 11-13-51

Participation

HALL-CAGLE MINE

DEXTER HALL
GREENS CREEK
NORTH CAROLINA

Name and address of applicant

Date 11/6/51

FILL IN THIS BLOCK

Date of application 11/6/51

Estimated cost

Mineral or metal STRATEGIC MICA

Percentage of Government participation 90%

Location of mine 7-3/4 miles N.W. of Sylva, N.C.

Date of filing MF-100 attached

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property? Lessee

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. no

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract. attached

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? 10%. Sufficient.

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

NOTE.—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 (*b*) 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.

*11. State the present and former names of the property, if any. PRESENT NAME - HALL-CAGLE MINE

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Sufficient on lands
State amount of power to be used, rate per hour or other cost, and source. none required

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. none

15. State in detail how the ore could be shipped and how and where milled. shipped & milled at Sylva

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*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.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Strategic Mica

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

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.

DEXTER HALL
(Name of company)

By Dexter Hall
(Signature of authorized official)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

16. HISTORY OF PREVIOUS EXPLORATION, ETC.
Only a small amount of work has been done on this property, about 10 years ago, but some good blocks of strategic mica were brought out. Pits, 3' to 4' were dug with hand tools but they have since been covered. Selling price of mica, and required finances, has held up further work. The property lies within the mica lead and has excellent signs which point to satisfactory exploration and operation.

21. Proposed work will consist of three (3) projects, the spots being about 300 yards apart. No. 1 - to be bulldozed about 150 feet long, 20 feet wide and 15 feet deep; No. 2 - 50 feet long, 15 feet wide and 10 feet deep; No. 3 - 150 feet long, 20 feet wide and 15 feet deep. Such trenching will expose the pegmatite at each location. Test pits will then be cut into each of these projects to reveal commercial quantities of the ore.

23. COST OF THE THREE (3) PROJECTS:

Rental - dozer-trencher,		
PROJECT 1. 55 hours @ $10.00 per hour	$ 550.00	
PROJECT 2. 16 hours @ $10.00 per hour	160.00	
PROJECT 3. 50 hours @ $10.00 per hour	500.00	
		$1,100.00
SUPERINTENDENT-ENgineer, 20 days @ $20.00 per day		400.00
Working Foreman, 25 days @ $15.00 per day		375.00
4 Laborers, 25 days each @ $10.00 per day each		1,000.00
Miscellaneous hand tools & supplies		165.00
Misc. expenses, payroll taxes, office, sampling etc.		140.00
TOTAL COST OF ALL PROJECTS		$ 3,180.00

Exploratory work will be completed in 25 working days.

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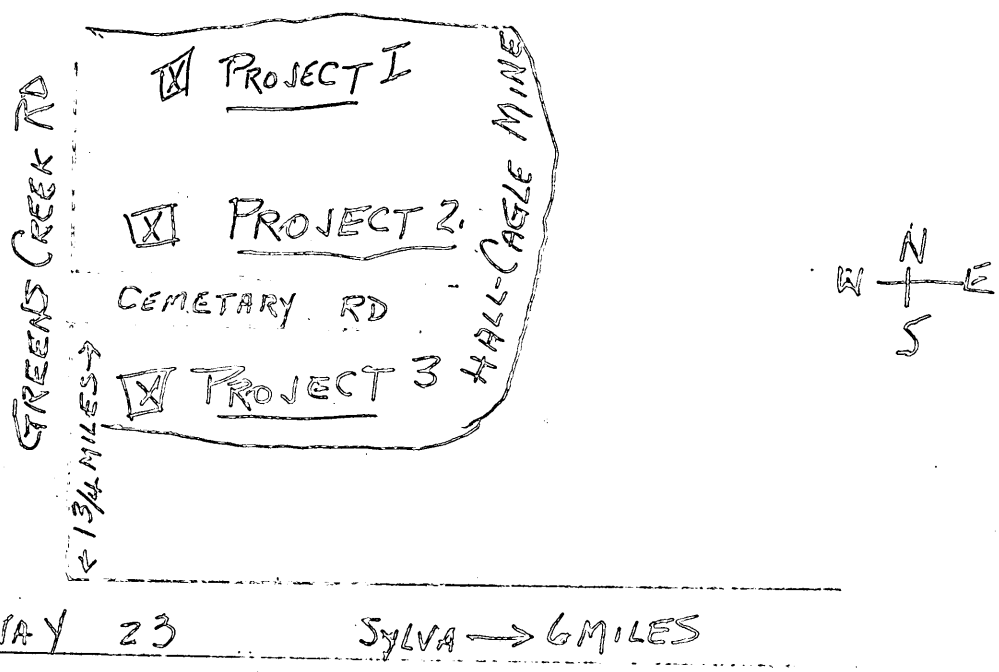

MF-202

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 DEXTER 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 30th day of October, 1951

CARL CAGLE & CARRIE BRYSON CAGLE

By Dexter Hall
ATTORNEY IN FACT

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

10. LEGAL DESCRIPTION (property and area on which exploration 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 CARL CAGLE and wife CARRIE BRYSON CAGLE, of Jackson County, North Carolina, parties of the first part and DEXTER HALL, of Jackson County, North Carolina, party of the second part, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said parties of the first part have let and leased unto the party of the second part, his 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, described as follows:

BEING the lands conveyed by deed, dated August 17, 1944, from Jim T. Bryson and wife Sarah Bryson to Carl Cagle, and recorded in the office of the Register of Deeds for Jackson County, on September 21, 1950, in book 172, page 318.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as provided herein, this lease shall exist and 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 party of the second part, his heirs and assigns, shall pay to the parties of the first part a sum equal 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 the royalties shall be paid on the fifteenth day of each calendar month following the production, sale and receipt of the sale price thereof.

4. The party of the second part, his 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. In the event the party of the second part should apply for a government loan to explore or operate this property, the parties of the first part hereby authorize the party of the second part to execute any required government agreements, as Attorney in Fact, for them and in their name. If no mica is discovered by exploration this lease is cancelled.

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

(a) The right to reasonable use of said lands, as may be convenient and necessary in mining and removing the minerals from same and to use such portions of the surface for the purpose of dumping mine refuse and tailings as may be reasonably necessary or convenient; all of which use to be first determined by consultation with the parties of the first part.

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

(c) The right to use any timber on said lands provided permission to do so is granted by the parted of the first part; at such times as such timber may be required.

(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 to such portions of the property where mining operations are in progress or to be conducted, in such locations as may be approved by the parties of the first part.

(f) The 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/ CARL CAGLE
s/ CARRIE BRYSON CAGLE
s/ DEXTER HALL

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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 2224

Date received 11-13-51

DEXTER HALL
GREENS CREEK
NORTH CAROLINA

HALL-CAGLE MINE

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. 7-3/4 miles N.W. of Sylva, N.C.
   (*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: 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:

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.

(Name of company)

By _____
(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—63792-1

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION
WASHINGTON D. C.

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

Nov 13 9 04 AM '51

DO NOT FILL IN THIS BLOCK

Docket No. dma 2 2 2 4

Date received 11-13-51

Participation

HALL-CAGLE MINE

ARVIL HALL
GRANT CAGLE
NORM CAGLE

Name and address of applicant

Date 11/6/51

FILL IN THIS BLOCK

Date of application 11/6/51

Estimated cost

Mineral or metal SHALE OIL

Percentage of Government participation 90%

Location of mine 7-3/4 miles N.E.

of Sylvo, Ala.

Date of filing MF-100 attached

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Lessee

*5. Are you the owner or the lessee of the property? no

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract. Lessee

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? 10% [illegible]

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

NOTE.—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 (*b*) 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.

*11. State the present and former names of the property, if any. FORMER NAME - HALL-CAGLE MINE

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Sufficient on lands
State amount of power to be used, rate per hour or other cost, and source. none required

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. none

15. State in detail how the ore could be shipped and how and where milled. shipped & milled at Sylva

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*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.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Strategic Mica

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

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.

DEER HILL
(Name of company)

By Dillon Hall
(Signature of authorized official)

12/6/52
(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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

10. LEGAL DESCRIPTION (property and area on which exploration 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 CARL CAGLE and wife CARRIE BRYSON CAGLE, of Jackson County, North Carolina, parties of the first part and DEXTER HALL, of Jackson County, North Carolina, party of the second part, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said parties of the first part have let and leased unto the party of the second part, his 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, described as follows:

BEING the lands conveyed by deed, dated August 17, 1944, from Jim T. Bryson and wife Sarah Bryson to Carl Cagle, and recorded in the office of the Register of Deeds for Jackson County, on September 21, 1950, in book 172, page 318.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as provided herein, this lease shall exist and 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 party of the second part, his heirs and assigns, shall pay to the parties of the first part a sum equal 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 the royalties shall be paid on the fifteenth day of each calendar month following the production, sale and receipt of the sale price thereof.

4. The party of the second part, his 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. In the event the party of the second part should apply for a government loan to explore or operate this property, the parties of the first part hereby authorize the party of the second part to execute any required government agreements, as Attorney in Fact, for them and in their name. If no mica is discovered by exploration this lease is cancelled.

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

(a) The right to reasonable use of said lands, as may be convenient and necessary in mining and removing the minerals from same and to use such portions of the surface for the purpose of dumping mine refuse and tailings as may be reasonably necessary or convenient; all of which use to be first determined by consultation with the parties of the first part.

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

(c) The right to use any timber on said lands provided permission to do so is granted by the parted of the first part; at such times as such timber may be required.

(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 to such portions of the property where mining operations are in progress or to be conducted, in such locations as may be approved by the parties of the first part.

(f) The 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/ CARL CAGLE
s/ CARRIE BRYSON CAGLE
s/ DEXTER HALL

- - - - - - - - -

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 DEXTER 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 30th day of October, 1951

CARL CAGLE & CARRIE BRYSON CAGLE

By [signature]
ATTORNEY IN FACT

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

16. HISTORY OF PREVIOUS EXPLORATION, ETC.
Only a small amount of work has been done on this property, about 10 years ago, but some good blocks of strategic mica were brought out. Pits, 3' to 4' were dug with hand tools but they have since been covered. Selling price of mica, and required finances, has held up further work. The property lies within the mica lead and has excellent signs which point to satisfactory exploration and operation.

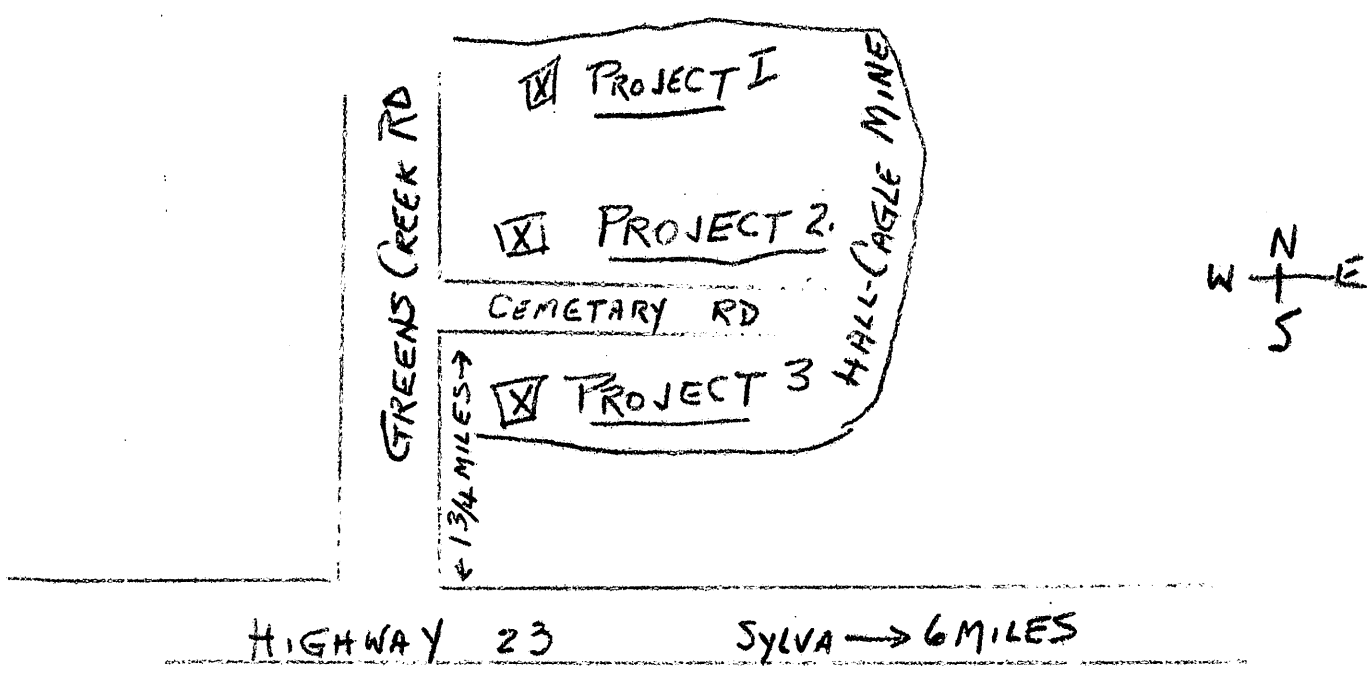
21. Proposed work will consist of three (3) projects, the spots being about 300 yards apart. No. 1 - to be bulldozed about 150 feet long, 20 feet wide and 15 feet deep; No. 2 - 50 feet long, 15 feet wide and 10 feet deep; No. 3 - 150 feet long, 20 feet wide and 15 feet deep. Such trenching will expose the pegmatite at each location. Test pits will then be cut into each of these projects to reveal commercial quantities of the ore.

23. COST OF THE THREE (3) PROJECTS:

Rental - dozer-trencher,		
PROJECT 1. 55 hours @ $10.00 per hour	$ 550.00	
PROJECT 2. 16 hours @ $10.00 per hour	160.00	
PROJECT 3. 50 hours @ $10.00 per hour	500.00	
		$1,100.00
SUPERINTENDENT-Engineer, 20 days @ $20.00 per day		400.00
Working Foreman, 25 days @ $15.00 per day		375.00
4 Laborers, 25 days each @ $10.00 per day each		1,000.00
Miscellaneous hand tools & supplies		165.00
Misc. expenses, payroll taxes, office, sampling etc.		110.00
TOTAL COST OF ALL PROJECTS		$ 3,100.00

Exploratory work will be completed in 25 working days.

- - - - -



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 21 21 24

Date received 11-13-51

DAVID HALL
GOLDEN CREEK
NORTH CAROLINA

HALL-GAGE MINE

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 Ores
   (*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. 7-3/4 miles N.W. of Sylva, N.C.
   (*b*) Mining district. Franklin-Sylva
   (*c*) Township, Section, Range. Second 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: 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.

THIS IS AN [illegible] APPLICATION. CERTAIN

10. Production: [illegible] WILL SEND [illegible] COPIES OF [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: 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.

DENVER MAL
(Name of company)

By Delta H all
(Signature of authorized official)

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—63792-1

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERI
DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
NOV 13 9 04 AM '51

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 2224

Date received 11-13-51

Participation

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application

Estimated cost

Mineral or metal

Percentage of Government participation

Location of mine

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

    NOTE.—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 (*b*) 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.

*11. State the present and former names of the property, if any. [illegible]

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Sufficient on lands
State amount of power to be used, rate per hour or other cost, and source. none required

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. none

15. State in detail how the ore could be shipped and how and where milled. shipped & milled at Sylva

*16. History:

    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

    (*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.

*17. Production:

    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

    (*a*) Describe the ore or mineral deposits briefly.

    (*b*) Submit available maps and assay data.

    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Manganese Iron

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

    (*b*) Supervisors, by numbers and positions, with salaries of each.

    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

    (*f*) Cost of rental for equipment which the operator proposes to rent.

    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

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 [illegible]
(Signature of authorized official)

[illegible]
(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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

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 [illegible], State of [illegible], described in a certain Exploration Project Contract dated _____, 195__, between [illegible], 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 11th day of October, 195[illegible]

[illegible]

By [signature]

ATTORNEY IN FACT

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

16. HISTORY OF PREVIOUS EXPLORATION, ETC.
Only a small amount of work has been done on this property, about 10 years ago, but some good blocks of strategic mica were brought out. Pits, 3' to 4' were dug with hand tools but they have since been covered. Selling price of mica, and required finances, has held up further work. The property lies within the mica belt and has excellent signs which point to satisfactory exploration and operation.

21. Proposed work will consist of three (3) projects, the spots being about 300 yards apart. No. 1 - to be bulldozed about 150 feet long, 20 feet wide and 15 feet deep; No. 2 - 50 feet long, 15 feet wide and 10 feet deep; No. 3 - 150 feet long, 20 feet wide and 15 feet deep. Such trenching will expose the pegmatite at each location. Test pits will then be cut into each of these projects to reveal commercial quantities of the ore.

23. COST OF THE THREE (3) PROJECTS:

Rental - dozer-trencher,		
PROJECT 1. 55 hours @ $10.00 per hour	@ 550.00	
PROJECT 2. 16 hours @ $10.00 per hour	160.00	
PROJECT 3. 50 hours @ $10.00 per hour	500.00	
		@1,100.00
SUPERINTENDENT-Engineer, 20 days @ $20.00 per day		400.00
Working Foreman, 25 days @ $15.00 per day		375.00
4 Laborers, 25 days each @ $10.00 per day each		1,000.00
Miscellaneous hand tools & supplies		155.00
Misc. expenses, payroll taxes, office, sampling etc.		110.00
TOTAL COST OF ALL PROJECTS		@ 3,100.00

Exploratory work will be completed in 25 working days.

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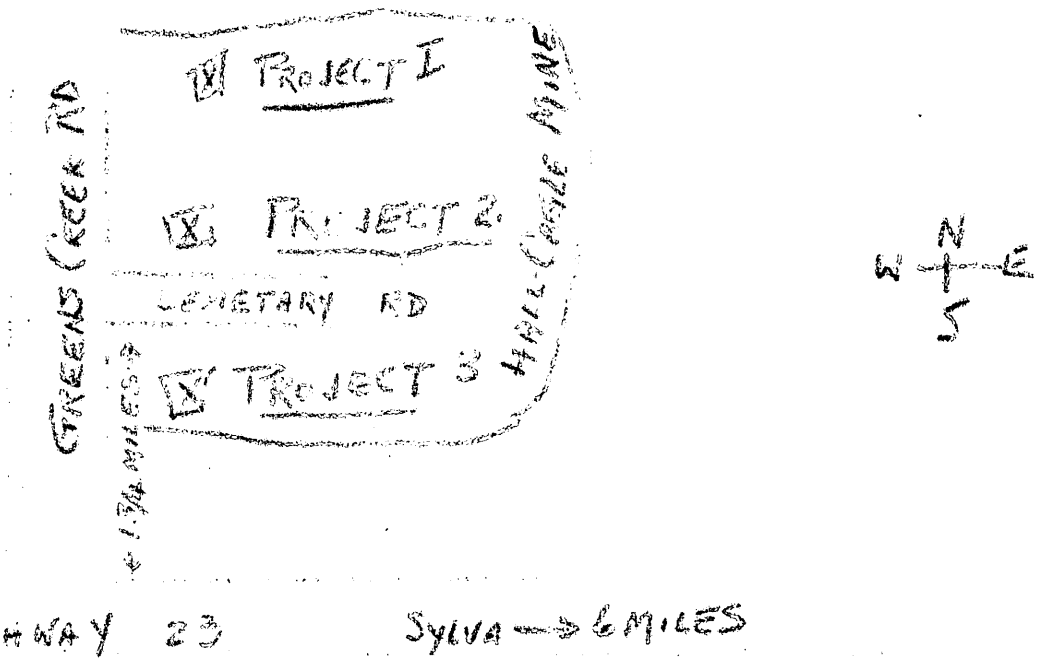

10. LEGAL DESCRIPTION (property and area on which exploration is to be conducted are the same). Copy of lease:

THIS LEASE AGREEMENT, made and entered into this 30th day of October, 1951, by and between [illegible] and wife [illegible] CARLE, of Jackson County, North Carolina, parties of the first part and [illegible], of Jackson County, North Carolina, party of the second part, WITNESSETH:

That subject to the terms and conditions hereinafter set forth the said parties of the first part have let and leased unto the party of the second part, his 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, described as follows:

> Same the lands conveyed by deed, dated August 17, 1944, from Jim P. Bryson and wife Dorah Bryson to Earl Carle, and recorded in the office of the Register of Deeds for Jackson County, on September 21, 1950, in book 178, page 318.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as provided herein, this lease shall exist and 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 party of the second part, his heirs and assigns, shall pay to the parties of the first part a sum equal to ten percent (10%) of all sheet or block mica, one dollar ($1.00) per ton for all scrap mica, fifty cents ($0.50) per ton for all feldspar and the usual royalties for all other minerals mined and sold from said property.

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

4. The party of the second part, his 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. In the event the party of the second part should apply for a government loan to explore or operate this property, the parties of the first part hereby authorize the party of the second part to execute any required government agreements, as attorney in fact, for them and in their name. If no mica is discovered by exploration this lease is cancelled.

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

(a) The right to reasonable use of said lands, as may be convenient and necessary in mining and removing the minerals from same and to use such portions of the surface for the purpose of dumping mine refuse and tailings as may be reasonably necessary or convenient; all of which use to be first determined by consultation with the parties of the first part.

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

(c) The right to use any timber on said lands provided permission so do so is granted by the parties of the first part; at such times as such timber may be required.

(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 to such portions of the property where mining operations are in progress or to be conducted, in such locations as may be approved by the parties of the first part.

(f) The 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/ CARL CAGLE
s/ CURTIS BRYSON CAGLE
s/ DEXTER HALL

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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 2224

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. N.W.
   (*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		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 UPON COMPLETION OF SALE.

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.

DEXTER HALL
(Name of company)

By Dexter Hall
(Signature of authorized official)

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.

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