DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3357

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This document has been recorded as

Exploration Assistance

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Cys to USBM & USGS

Routing Slip

To:	600	Date	5/19/54
To:	Mr. Anderson	Date	5/20/54
To:	Oper Com	Date	6-23-54
To:	600	Date	6-24
To:	Oper Com	Date	7-30-54
To:		Date	
To:		Date	
To:		Date	
To:		Date	
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CONTROLLED DOCUMENT

DOCKET COPY
Surname:
Anderson
Houk
Larrabee
Hedges
Selfridge
Yeffmann

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

Mines and Mining, Inc.
P. O. Box 8184
Asheville, North Carolina

Re: Docket No. DMEA-3357 - Mica
Houston Mine
Macon County, North Carolina

Gentlemen:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

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

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:gad 7/29/54
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Larrabee, 5216
Mr. Houk

R.C.S.

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

July 28, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report.

By: Walter C. Anderson

1. DMEA Docket No. 3357 - Mica
Property: Houston Mine
Macon County, North Carolina

Applicant: Mines and Mining, Inc.
Box 8184
Asheville, North Carolina

Application: Form MF-103, received May 19, 1954.
Work proposed: Drive 100 feet of drift at head of opencut, muck for 100 feet where vein is covered, bulldoze mine road and construct tool house.
Amount requested: $6,170.00
No contract: Application denied.

2. Comments:

Geological premise: There is no evidence that the exposed pegmatite will improve in the amount or quality of mica.

Geological criteria upon which denial is based:
1. Unweathered pegmatite, lean in mica, averaging 4 feet in thickness.
2. Inferior quality mica.

Future possibilities: It is the belief of the field team that this pegmatite will not sustain a profitable operation.

Recommendations:

The Nonmetallic Minerals Division concurs in field team's recommendation to deny the application.
The Geological Survey concurs.
The Bureau of Mines concurs on the basis that the mica is non-strategic.

July 26, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Mines and Mining, Inc., Asheville, N. C.
DMEA-3265, Parlow Gap Mine (mica)
DMEA-3357, Newton Mine (mica)

Enclosed herewith are copies of letters from Fred Wilson, dated June 19 and July 10, 1954, both of which were received in the same registered envelope this morning.

Please note that Wilson says he is no longer connected with Mines and Mining, Inc., and that the equipment at Parlow Gap is his personal property. It would appear advisable to delay any action on the Parlow Gap contract until a satisfactory accounting of this situation is received.

As to Wilson's complaint about not being present at the examination, we notified Mines and Mining, Inc., at the address given on the application, and went with the representatives they sent. We do not consider it our responsibility to select the applicant's field representatives on these examinations.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/am
cc:
Beck
Lynch
Opr. Com. -2
Files

July 26, 1974

Mr. Fred Wilson
45 King Street
Asheville, North Carolina

Re: DMA-3057 (mica)
DMA-3065 (mica)
Mines and Mining, Inc.

Dear Mr. Wilson:

Your letters of June 19 and July 10, via registered mail, were received this morning. The extra copies were forwarded to our Washington office today.

I regret that you were not notified when the field examinations were made. However, we notified Mines and Mining, Inc., at the address given on the application, when the examinations were scheduled, and the examinations were conducted with the representatives designated by the company. We do not consider it our responsibility to select the applicant's representative on a field examination.

Very truly yours,

Robert A. Lawrence
Executive Officer, DMA
Region VII

WL/ms
cpl
Rank
Lynch
Gov. Rem.
Files

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

July 22, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3357 (mica)

Applicant: Mines and Mining, Inc.

Name and Location of Property: Houston Mine
Macon County, North Carolina

Date of Field Team Report: July 7, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: July 13, 1954

Field Team Recommendation:

1. Denial of application.

Comments:

1. Mica encountered at subject mine was of poor quality.
2. Examiners are of the opinion that DMEA exploration is not justified.

Recommendation:

I concur in the field team's recommendation to deny this application on the basis that the mica is non-strategic.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:
G-MD-CNM
Defense Minerals Administration
RECEIVED
JUL 13 1954

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

July 12, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3357 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: Mines and Mining, Inc., Box 8184, Asheville, N. C.
Name of property: Houston Mine.
Location of property: Macon County, N. C.
Date of Field Team Report: July 6, 1954
Authorship of Field Team Report: K. H. Teague, D. H. Amos, and L. E. Shirley.
Field Team's recommendation: Denial.
Comments:
1. Lean in mica.
2. Mica of poor quality.
3. No profitable operation believed possible.

ACTION RECOMMENDED:
Follow Field Team's recommendation.

D. M. Larrabee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13, POST OFFICE BLDG.
WASHINGTON 25, D. C.
KNOXVILLE 2, TENN.

Defense Minerals Administration
RECEIVED
JUL 9 - 1954

July 7, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Field Examination Report, DMEA-3357 (mica) Mines & Mining, Inc., Asheville, N. C. Houston Mine, Macon County, N. C.

Enclosed are 4 copies of the field team report of examination on the subject application. We are in agreement with the examiners' recommendation for denial of the application.

Although field examination was not requested, the examiners' had to visit the property to get the information requested in your letter of June 24, so they examined the mine while there. Because it so obviously does not warrant approval of a contract, we have not had the Owner's Consent to Lien forms completed and have not attempted to clarify the boundary descriptions.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

Wm A. Beck 3m
Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
7-14-54
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 9 - 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

On

DMEA-3357, HOUSTON MINE (mica)
Macon County, N. C.

By

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

and

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

July 6, 1954

Reviewed by
DMEA OPERATING COMMITTEE
7-14-54
(date)

Department of Defense Minerals Exploration Program
Received
JUL 9 - 1954

FIELD EXAMINATION REPORT
On
DMEA-3357, Houston (Littlefield) Mine
(mica)

Applicant: Mines and Mining, Inc. Box 8184, Asheville, North Carolina

An unweathered pegmatite is exposed at two levels by open cuts. The pegmatite is lean in mica and the mica present is of inferior quality. No work is justified and exploration assistance should be denied.

The mine was examined on June 27, 1954. Messrs. Rodger A. Grant, Jr. and Ken Cochran accompanied the examiners on the inspection which required two hours.

The Houston (Littlefield) Mine is 6.5 airline miles northeast of Franklin on the steep south slope of Rocky Face Knob. Access is by way of a steep one-half mile of jeep road to the Rocky Face mine, thence by 500 feet of steep foot trail up the slope to the mine.

The pegmatite trends about N. 20° E. dipping about 60° N. W. Where exposed in two open cuts it ranges in thickness up to 7 feet, but the average thickness is about 4 feet. A short adit extends northeast from the upper cut for about 20 feet along the pegmatite. In this area the pegmatite is only about two feet thick. The pegmatite is composed of a quartz core flanked by feldspathic pegmatite, which consists of plagioclase, a little quartz, muscovite, sulphides and garnet. Mica appears to be concentrated adjacent to the quartz core. The mica is small, hard and ruby colored, but is severely ruled, cracked, bent, contains biotite and sulphide inclusions, and is all small. The examiners do not believe this pegmatite would substain a profitable operation.

Early history of this deposit is not known. The adit was driven by D. E. Worley and W. N. Grimm in 1942 and late in 1944 Fred Wilson worked the deposit for about five months. Recently the applicant secured about 1200 pounds of poor quality book mica by benching in the lower cut.

It is recommended that no further work be considered on the deposit and that the application be denied

Date exam: June 27, 1954

Kefton H. Teague and D. H. Amos,
U. S. Geological Survey

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

DOCKET FILE COPY
SURNAME:
Anderson
Smith
Sellmeyer
Fitzsimmons
Mitchell

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

600

JUN 24 1954

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

Subject: Docket No. DMEA-3357 - Mica Mines and Mining, Inc.
Houston Mica Mine
Macon County, North Carolina

Dear Mr. Laurence:

Reference is made to the subject application for exploration assistance and your memorandum of June 1, 1954.

Prior to field examination, the following problems concerning this application should be resolved:

1. The description of leased property involved is confusing. Does it consist of 900 acres as described in Book of Deeds, Macon County #H5, page 327, or is it something else as registered in Book #E, page #83. Whatever it is, we need a metes and bounds description and acreage of the particular property to be explored.

2. To your memorandum of June 1, 1954, were attached eight signed blank copies of Owner's Consent to Lien, which we are returning. Two are si ned by Mrs. Grace O'Mohundro covering the area which embraces the Houston Mine and six cover the area to the south which is intended for access and dump purposes. These must be filled out by the signers and in the case of the two involving the Houston Mica Mine, the property to be explored, must have the land description as outlined in Paragraph 1.

3. The willingness of the applicant to pay 25 percent of the accepted cost of exploration has not been clearly indicated.

4. We assume that the Field Team explains to all applicants that in cases such as this one, when the applicant owns the equipment, according to DMEA regulations, only depreciation is allowable in estimating costs, and not

R.C.S.

rentals. The estimate should include, in addition to depreciation, a reasonable item for repairs during the period of the project.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Approved:

J. H. Hedges (GCS)
Member, Bureau of Mines

D. M. Larrabee (GCS)
Member, Geological Survey

Enclosures 12

WCAnderson:gad 6/17/54

Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

P.S. We are also returning the four copies of Owner's Consent to Lien on the Houston property, which may need revision. The Owner's Consent to Lien on the Bryson property will not be necessary.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Room 13, Post Office Building
Knoxville 2, Tennessee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 1954

June 1, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VII

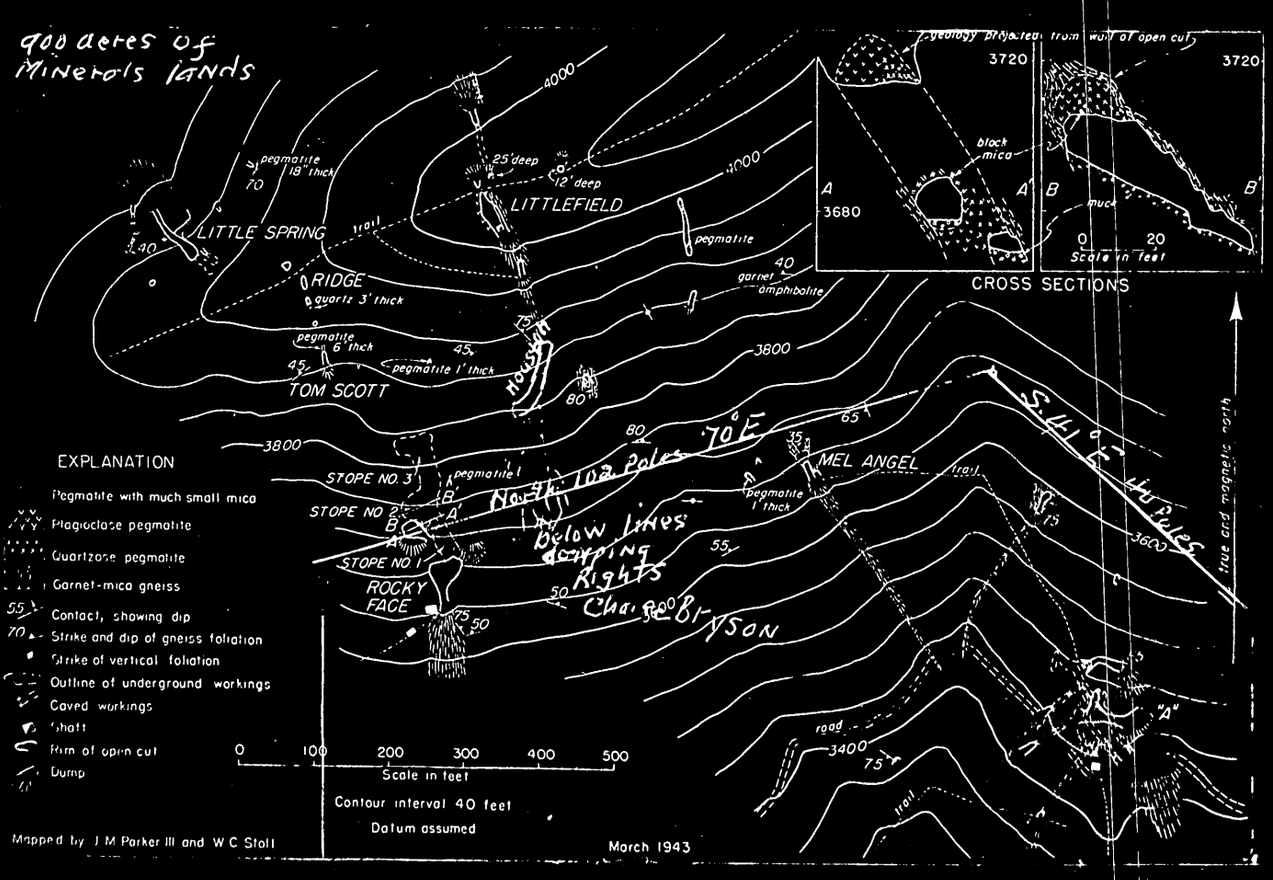
Subject: DMEA-3357, Mines & Mining, Inc.
Houston Mine (Mica), Macon County, North Carolina

Transmitted herewith are two additional copies of Owner's Consent to Lien signed by Mrs. Grace O'Mohundro, six copies of Owner's Consent to Lien on the Bryson property and maps showing the proposed work and property location.

It is our understanding that the Bryson property was leased to provide access and dumping space, and should not be included in the project area.

Robert A. Laurence
Robert A. Laurence
Executive Officer
DMEA Field Team, Region VII

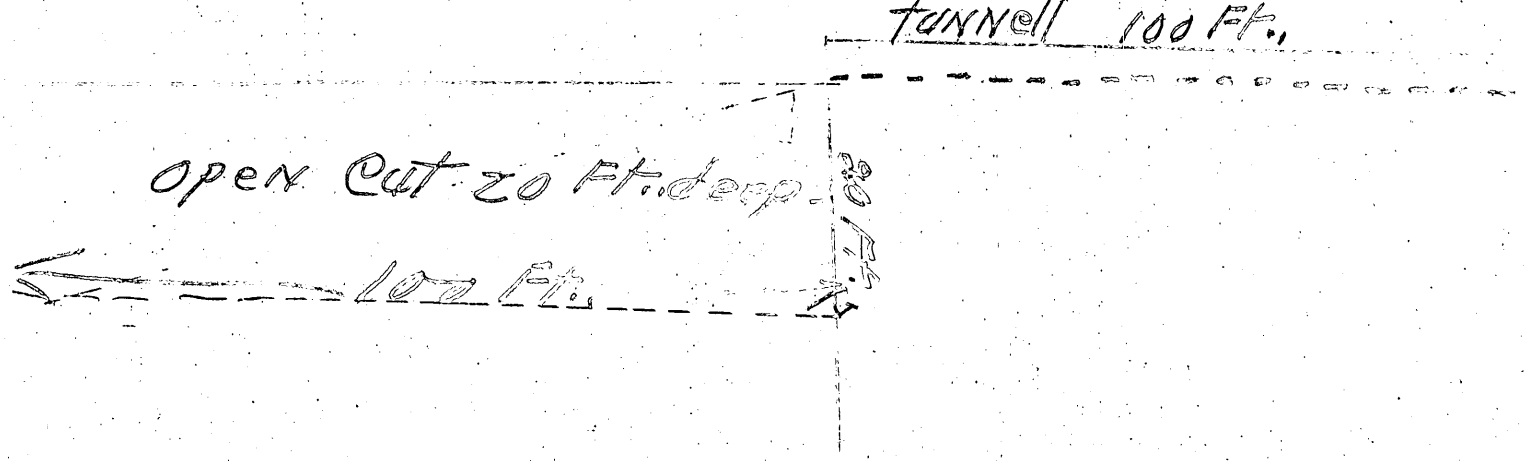
Enclosures 11


900 acres of Minerals lands
LITTLE SPRING
RIDGE
LITTLEFIELD
TOM SCOTT
MEL ANGEL
ROCKY FACE
STOPE NO. 3
STOPE NO 2
STOPE NO 1
pegmatite 18" thick
quartz 3' thick
pegmatite 6' thick
pegmatite 1' thick
25' deep
12' deep
pegmatite
garnet amphibolite
trail
road
4000
3800
3600
3400
3720
3680
CROSS SECTIONS
black mica
muck
Scale in feet
EXPLANATION
Pegmatite with much small mica
Plagioclase pegmatite
Quartzose pegmatite
Garnet-mica gneiss
Contact, showing dip
Strike and dip of gneiss foliation
Strike of vertical foliation
Outline of underground workings
Caved workings
Shaft
Rim of open cut
Dump
Scale in feet
Contour interval 40 feet
Datum assumed
Mapped by J M Parker III and W C Stoll
March 1943
true and magnetic north
Below lines dropping Rights
Chas. Robinson

Houston Mica Mine Strike N. 20° East
Dip N.W. Steep. 6' Ft. to 10' Ft. Wide
Several Veins Come together as the vein
goes into the Mt. Strike N. to N.E.

Proposed Work at head of open cut
tunnel to be run 100 Ft. on Vein.
Muck, below to be removed. And vein banched
down 20 Ft. Deep for 100 Ft. stripping surface
below. and putting vein on open cut work
for 200 Ft. tool and Mica storage House at Left
of Mine. Road around Mt. to Ridge and down
to road to Flowers Gap. and to highway

Tunnel to be run
First. Rail & dump Car.



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

June 3, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3357 (mica)

Applicant: Mines and Mining, Inc.

Name and Location of Property: Houston Mica Mines
Macon County, North Carolina

Date Application Rec'd. by Ceramic & Fert. Mtls. Br.: May 19, 1954

Comments:

1. Bureau of Mines records show that 404.56 pounds of full-trimmed mica valued at $2,277.42 and 634 pounds of punch valued at $190.20 were sold from subject mine to Colonial Mica Corp. in 1945.

2. Subject mine is located in general area of productive mica mines.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

May 21, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3357 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: Donald A. Brobst, U. S. Geological Survey
Applicant's name and address: Mines & Mining, Inc., Box 8184, Asheville, North Carolina.
Name of property: Rocky Face Knob Mines group - Houston (Littlefield) Mine.
Location of property: On S.E. side of Rocky Face Knob, 6.5 airline miles N. 34 E. of Franklin, Macon County, North Carolina.
Summary of applicant's proposal: 100' tunnel at head of the open cut muck for 100' where vein is covered, doze mine road, 10' x 16' tool and mica storage house to be built at the mine. Total estimated cost is $6,170.
Sources of information on applicant's property:

1. Report on p. 46-47 of mica deposits of the Franklin-Sylva dist., N. C., by Olson and others. N. C. Bull. 49, 1946.

2. Supplementary report of Rock Face Mica Mine, Macon County, N. C., by E. W. Heinrich, May 1944 in Survey files.

Comments:

1. Houston (Littlefield) mine is located on Rocky Face Knob where several nearby mines have produced strategic mica.

RECOMMENDATION: Refer to field team for examination.

D. A. Brobst
Donald A. Brobst

MAY 24 1954

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

May 19, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region VII

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region VII.

DMEA - 3357 Mines & Mining, Inc.

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

Mines & Mining, Inc.
P. O. Box 8184
Asheville, N. C.

May 19, 1954
DMEA-3357
Subject: Exploration Assistance
Re: Rocky Face Knob Mines

Gentlemen:

The receipt of your application dated 5/14/54 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3357 and referred to the Non-Metallic Minerals Division.

Kindly refer to DMEA-3357 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operation's Control
and Statistics Division

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

May 17, 1954

MAY 19 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Application - Mines & Mining, Inc. Houston Mine, Macon Co., N. C. (mica)

Enclosed are three copies of the subject application received today from Mines and Mining, Inc, Asheville, N. C. for exploratory work at the Houston Mine, Macon County, N. C. This is apparently the same Houston mine as DMEA-1857X, A. A. Duvall, applicant, which was withdrawn when the applicant failed to furnish additional data requested. It should also be noted that this applicant is also the applicant for assistance at the Farlow Gap Mine - DMEA-3265. There has been much correspondence concerning his financial responsibility. It may be pertinent to wonder if the applicant is not "spreading himself too thin."

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

May 17, 1954

Memorandum

To: Operating Committee, DMEA - Washington

From: Field Team, DMEA - Region VII

Subject: Application - Mines & Mining, Inc. Houston Mine, Macon Co., N. C. (mica)

Enclosed are three copies of the subject application received today from Mines and Mining, Inc, Asheville, N. C. for exploratory work at the Houston Mine, Macon County, N. C. This is apparently the same Houston mine as DMEA-1857I, A. A. Duvall, applicant, which was withdrawn when the applicant failed to furnish additional data requested. It should also be noted that this applicant is also the applicant for assistance at the Farlow Gap Mine - DMEA-3265. There has been much correspondence concerning his financial responsibility. It may be pertinent to wonder if the applicant is not "spreading himself too thin."

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION VII

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

RAL/mm

May 17, 1954

Mr. Fred Wilson
Mines & Mining, Inc.
P.O. Box 8164
Asheville, North Carolina

Re: Houston Mine (mica)

Dear Mr. Wilson:

Your application for aid in exploration at the Houston Mine in Macon County, North Carolina has been received and forwarded to our Washington office in accordance with established procedure. If a field examination is desired, we will contact you in advance.

You submitted only four signed copies of form MF-203, signed by Grace E. O'Mahundro. As six are required, I enclose two blank copies; please obtain the signature and return them to me. If it is intended that the land of Charlie and Stella Hymon is to be included in the exploratory work, six copies of form MF-203, signed by both of them, should be submitted. It would be most helpful if you would submit a map showing the boundaries of both these properties, the location of the Houston mine, and the extent of the proposed work.

Yours very truly,

Robert A. Laurence

RAL/mm
cc
Beck
Lynch
Laurence
Opr. Chm.
Files

45 King St A
Asheville, N. C.,
May I4th I954,

Defense Minerals Department
Knoxville, Tenn.,

Dear Mr. Lawrence

I am sending you a application for aid in working a Mica mine on the top of Rocky Face Knob. This minie I worked in I944 & 45 and sold the Colonial MicaCorp., # I flat ruby mica this mine is on the strike of the Rocky Face mine 300 ft above, and is in the center of that Mica deposit, we have a compreswor down at the Carpenter house on the end of the mt., and a pipe line to the Houston Mine we are stripping and uncovering the vein for Mr Teague to look at, would you please rush this up and send the Geologist to inspect it soon, this mine is on record, and the D.M.E.A. Engineer in room 3537 Interior Bldg Washigton have the record. this one special mine is where we want to do the work, their is 4 other mines up there, but this one is the center of them all called the Houston Mica Mine.

We have all of the equiptment and machinery listed on the application and have most of it on the Mt., and will have it all there by the time the Inspectors get over there, We would like to see you up there come th the Flowers Gap Rocky Face Mt., We have a road to the First Rocky-Face mine and atrail up to the Houston Mine 350 ft above. Charley Bryson or Ken Cochran can show you where it is.

Yours sincerely,

Mines & Mining, Inc.,
Box 8I84
Asheville, N. C.,

By Fred Wilson

RECEIVED
MAY 17 1954
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 19 1954

Not to be filled in by applicant

Docket No. 3357
Metal or Mineral Mica
Date Received
Estimated Cost $6,170
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Mines & Mining, Inc., Box 8184, Asheville, N.C.,
Dean S. Hasbrouck, Pres., Fred Wilson, Vice-Pres., & Superintendent,
Roger A. Grant, Jr., Sectary & Treas.,
Incorporated State Of North Carolina,

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Mineral interest on 900 acres of land more or less Known mines, Rocky Face, Houston, Little Field, Rattlesnake, Wautaga Cliff, and other mines, This work to be done at the Houston Mica Mine, Photo Copy of lease attached, and dumping lease on land below mines.

(*b*) State any mine name by which the property is known. Rocky Face Knob, Mines.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee, 5 year lease, right to renew for 5 year additional.

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

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. Sheet attached

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

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. " "

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

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Mica, Clear flat Ruby Mica # 1 and # 2.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. to be sent later. maps, pictures.

(*c*) The work will start within 5 days and be completed within 4 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. 20 years exp., exp miners.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: " " none

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

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. seperate sheet

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

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be. " "

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. " "

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project. " "

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? yes

(*b*) How do you propose to furnish your share of the costs? all equiptment,

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated May I4th, 1954

Mines & Mining, Inc.,
(Applicant)

By D. S. Hasbrouck

Fred Wilson

Roger A. Grant Jr.

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

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

4 (a) This Houston Mica Mine was worked by Fred Wilson in I944 mica sold to Colonial Mica Corporation, Agent for Minerals Reserve. surface of vein stripped for I50 ft., tunnel started in heading where 3 veins come down from outcrop and set up together and making a 8 ft., pay streak mica against top wall in blue spar, quartzs and mica against quartzs and under, mica in spar and on under wall.

(b) True fissure vein dip N. W. 45 degree strike S.W., N.E.

Rocky face mica mine 300 ft., S.W. below on strike, Little Field Micaamine 300 ft N. above, Rattlesnake 300 ft., N. E. above the Houston mine connects with all three mines, and in the center of the main body of mica deposit.

(d) near Franklin Dillsboro highway, road to be built to mine.

(e) miners and mica sheeters available.

5 (b) Tunnel in heading of open cut to be run I00 ft., on strike of vein. muck where vein is covered for I00 ft., below to be removed so vein can be banched down . Road work by bulldozer to mine, Tool and Mica storage house I0 ft by I6 ft., to be built at mine.

6 (b)

I drill man	$I.75 hr.,	4 months	$I.I20.00	
I forman	I.75 hr	4 months	I.I20.00	
I timber man	I.75 hr	4 months	I.I20.00	
2 muckers	I.25 hr	4 months	800.00	
	I.25 hr	4 months	800.00	
			$4.960.00	

(d)

	Cost	rent	4 month rent
New Ingersoil Rand I05 Compressor	$3.000.00	$I80.00	$720.
J50 Ingersoil Rand air hammer with jack	620.00		
6 pcs carbon carbide drill steel	I20.00		
300 ft steel tram car rail	300.00		
I steel dump mining car	I50.00		
hoist machine	825.00		
300 ft ½ cable	75.00		
50 ft air hose	25.00		
500ft water hose	25.00		
I.200 ft., I.½ I" 3/4 pipe air line	240.00		
electric wire 300ft., exploder magneto 50 volts	50.00		
rubber tired wheelborrow	30.00		
gasoline 2 inch pump	I60.00		
2ft., 4 ft., 6 ft., 8 ft., drill steel	60.00		
200 jack screw bits	I00.00		
water tank ½ water line for wet drilling	220.00		
	3.000.00	$I80.00	720
			I.440
			220
			$I.660.

(e) moving and setting up equiptment trucking 200.00

road work 200.00

tool house I50.00

25 %

(g) gas and oil I60.00

Dynamite 400.00

exploders regular, delays, I00.00

$I.210.00

4.960.00

Total cost of project $ 6.I70.00

All equiptment as listed above is purchased by Mines & Mining Inc., and most of it is at the mine, the heavy pressure water tank and I.200 ft of ½ inch water line will have to be bought and will be set up at the mine.

Mines & Mining, Inc.,

By D. Hesbrook

Fred Wilson

Roger A. Grant Jr.

NORTH CAROLINA
MACON COUNTY

MINES & MINING, INC.
BOX 8184
ASHEVILLE, N. C.

DEAN S. HASBROUCK
PRES. & TREAS.

FRED WILSON
VICE-PRES. & SUPERINTENDENT

ROGER A. GRANT, JR.
VICE-PRES. & SECRETARY

AGREEMENT this agreement made and entered into this ~~30th~~ 31st day of January 1954 by and between Charlie Bryson and wwife Stella Bryson. owners, land as registered in Book of Deeds #_____, Page #_____ Parties of the First Part. and ~~Dean S. Hasbrouck~~, Fred Wilson, and ~~Rogers Grant, Jr.~~, Mines & Mining, Inc. ~~parties~~ party of the Second Part.

WITNESSETH that the parties of the first part hereby leases to the parties of the second part heirs or assigns, the use of all of their lands, as owned by them, in whole or part on the Rockyface Mt., their interest in such land as registered in books of deeds pages the use of such land for the purpose of ingress and egress right of ways, for the mining of Mica and other minerals on the Rocky-Face Mt., the right to dump muck mine tailings, rocks and to pick up and remove all Mica and other minerals, that may be blasted, shot, roll, slide, or fall from adjoining lands, and mines that may be worked by the parties of the second part to this agreement. the right to set machinery and equiptment, run pipe lines, for the working of such mines and the right to remove such equiptment and machinery at any time, and within 60 days after the expiration of this lease. This lease is for 5 years from the above date.

THAT the parties of the second part heirs or assigns shall pay to the parties of the first part heirs or assigns twenty five $25 dollars 30 days from the above date, and every 30 days, as long as such mine or mines are being worked by the parties of the second part.

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

Parties of the first part.

Charlie Bryson SEAL
Charlie Bryson

Stella Bryson SEAL
Stella Bryson

Mines & Mining, Inc.,
Parties of the second part.

Dean S. Hasbrouck SEAL
Dean S. Hasbrouck

Fred Wilson SEAL
Fred Wilson

Rogers Grant Jr. SEAL
Rogers Grant, Jr.,

I a Notary Public for Bumcombe County North Carolina, hereby certify that personally appeared before me this day and acknowledged their signatures to this instrument, for the purpose therein expressed, Witness my hand and Notarial seal this 31 day of January 1954. I have this day Witness the signatures of Charlie Bryson, Stella Bryson, Dean S. Hasbrouck, Fred Wilson, and Rogers Grant, Jr., My commission expires Dec 23 1954

Notary Public

STATE OF NORTH CAROLINA
COUNTY OF MACON

MINING LEASE

THIS LEASE, made and entered into this the 4th day of March, 1954, by and between GRACE O'MOHUNDRO, hereinafter called party of the first part; and MINES & MINING, INC., a corporation duly organized and existing under the laws of the State of North Carolina, having its principal office and place of business in the City of Asheville, N. C., hereinafter called party of the second part;

W I T N E S S E T H :

That subject to the terms and conditions hereinafter set forth the said party of the first part has let and leased unto the party of the second part, and its assigns, the exclusive right and privilege to mine, dig and remove all minerals now in, under or upon a certain tract or parcel of land lying and being in Macon County, North Carolina, and more particularly described as follows:

> BEING the mineral interest in and to a certain tract of land described in the deed from Gay Green to D. F. Worley, dated July 24, 1942, and recorded in Book H-5, page 327, records of deeds for Macon County, N. C. Reference is hereby made to the above deed and the recording thereof for a more full and complete description of the lands the subject of this lease. Said lands include those mines commonly referred to as Rocky Face, Houston, Littlefield, Rattle Snake, Wautage Cliff and Tom Scott mines.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. Unless sooner terminated as herein provided, this lease shall exist and continue for a period of FIVE YEARS, with the further right to renew for an additional like term.

2. As rental or royalty, the party of the second part or its assigns shall pay to the party of the first part or her legal representative a sum equal to twelve and one-half per cent. (12½%) of all the sheet or pattern mica, One Dollar ($1.00) per ton for scrap mica, and fifty (50) cents per ton for all feldspar. In the event the party of the second part or its assigns shall, in the course of conducting mining operations upon said property,

encounter any other metals or minerals not specifically set forth herein in merchantable quantities, said party of the second part or its assigns shall recover same, use their best efforts to obtain a market therefor and pay the party of the first part a royalty equal to that prevailing in the community for metals or minerals of like character.

3. That all royalties shall be paid between the first and tenth of each calendar month following production, sale and receipt of the sale price thereof.

4. Party of the first part or its assigns shall keep a correct and itemized record of all operations upon the premises, including transactions relating to the sale of minerals from the premises, said records to be open to the inspection of the party of the first part at any time upon reasonable request.

5. The party of the second part will commence operations upon the premises within ninety (90) days from the date of this lease, and shall not cease operations at any time for a period exceeding ninety (90) working days; failure to comply with these provisions shall cause the lease to become null and void without further action on the part of party of the first part.

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

(a) The right to use the surface of said lands to the full extent that such use is reasonable, convenient or necessary in mining and removing the minerals from said lands and to use any portion of said surface for the purpose of dumping mine refuse and tailings as may be reasonable, necessary or convenient. In this connection, however, the party of the second part agrees that no unnecessary damage shall be done to the property in the process of conducting mining operations thereon.

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

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

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

(e) The right to construct and maintain roads in such locations as the parties of the second part may deem advisable and complete right of ingress and egress to and from any portion of said property that the said parties of the second part, their assigns, may conduct mining operations.

(f) The right of first refusal of any purchase price set upon the lands herein leased by the party of the first part.

IN TESTIMONY WHEREOF, the party of the first part has hereunto set her hand and seal, and the party of the second part has caused this instrument to be signed in its corporate name by its President and Vice-President with full corporate authority the day and year first above written.

Grace O'Mohundro (SEAL)
Party of the first part

MINES & MINING, INC. (SEAL)

By: Dean S. Fosbrook
President ~~& Treasurer~~

Fred Wilson
Vice-President

NORTH CAROLINA
MACON COUNTY

I, Verlon Swafford, Notary Public in and for the above County and State, hereby certify that GRACE O'MOHUNDRO personally appeared before me and acknowledged the due execution of the foregoing instrument for the purposes therein expressed.

WITNESS my hand and notorial seal this the 4th day of March, 1954.

Verlon Swafford
Notary Public

S

NORTH CAROLINA

COUNTY

This the 8 day of March, 1954, personally appeared before me DEAN S. HASBROUCK and FRED WILSON, who, being by me duly sworn state they are the President and Vice-President, respectively, of MINES & MINERALS, INCORPORATED, and that the foregoing insturment was signed and sealed by them in behalf of said corporation by its authority duly given. And said Dean S. Hasbrouck, President of Mines and Minerals, Incorporated, acknowledged the said instrument to be the act and deed of the corporation

WITNESS my hand and notarial seal, this the day of March, 1954.

Bettie P. Hester
Notary Public

My Commission expires April 15, 1954

NORTH CAROLINA, Macon County.

The foregoing certificates of Vesta Sprinkle, N.P. of Macon Co. N.C., Bettie P. Hester Notary Public of Buncombe County, State of N.C. are attested by his ~~their~~ notarial seals, is adjudged to be correct.

Let the instrument, with the certificates, be registered.

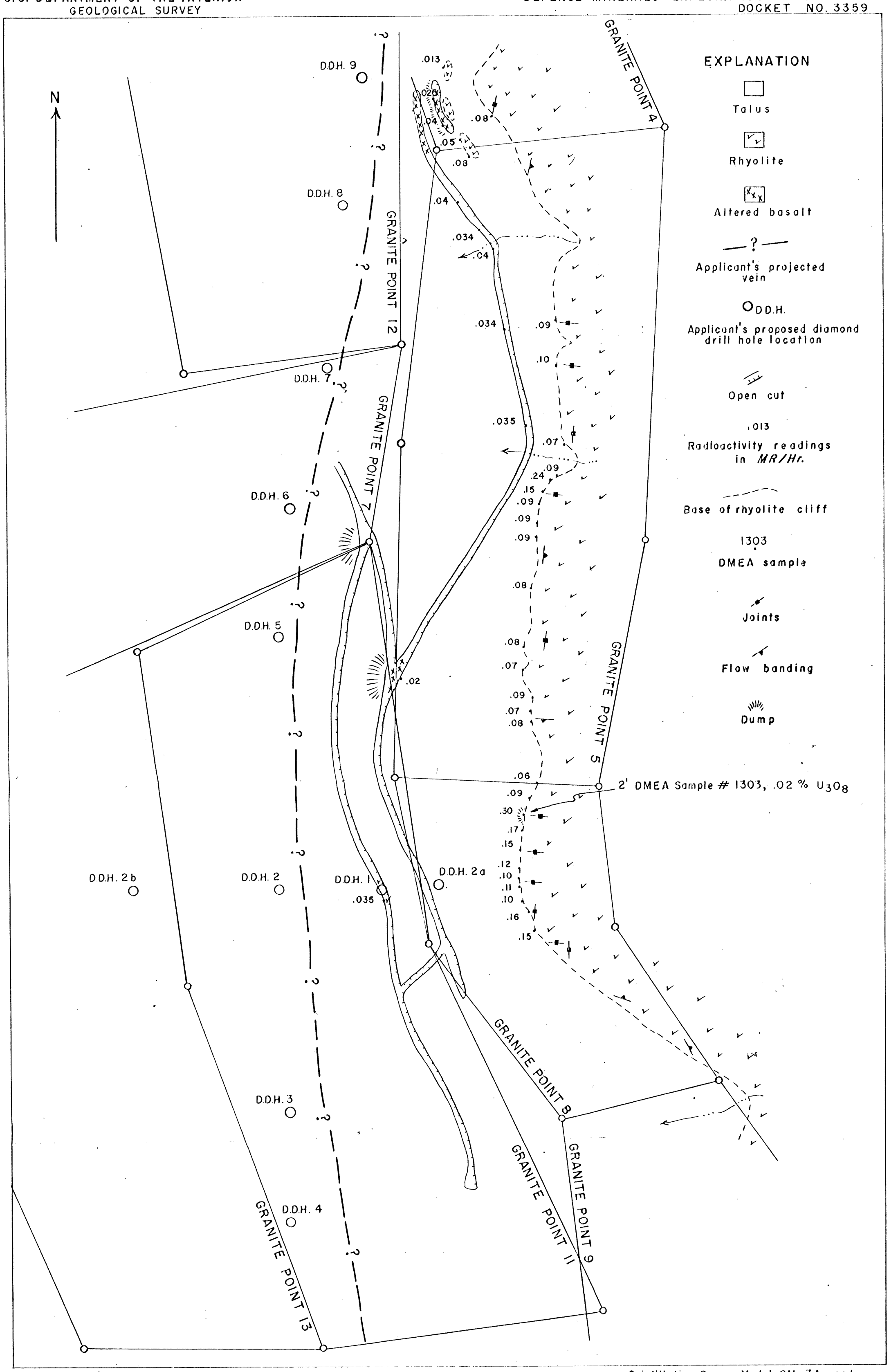
Witness my hand and official seal, this 12 day of March, 1954

Pete McSee
CLERK SUPERIOR COURT

[illegible]

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET NO. 3359



After applicant's map

Scintillation Survey Model SM-3A used for Radioactivity readings

FIG. 2

SKETCH MAP OF GRANITE POINT CLAIMS
HUMBOLDT COUNTY, NEVADA

200 0 200 400 FT.
SCALE