DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4788

Application
- [X] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [X] Owner's Consent to Lien and Subordination Agreement
- [X] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [X] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports

- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
ROOM 1310 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

July 16, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 18 1957

DATE	INITIALS	CODE

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Application - E. B. Duvall, Franklin, N.C.
Beasley Nos. 1 & 2. Macon County, N. C. Mica.

Enclosed are ~~four~~ 3 copies of an application submitted by Mr. E. B. Duvall of Franklin, N.C.

In the application the property is not described by metes and bounds, but it may be on the same property explored under DMEA-2961, Idm-E563.

V. J. Lynch

V. J. Lynch

MF-205
(Combines and supercedes MF-[illegible]1 and MF-203)
June 1956

For Government's Use Only
EXP[illegible]ATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED
JUL 18 1957
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of **Macon**, State of **North Carolina**, described ~~as follows~~: 2/

Property as described in lease agreement, copy of which is attached hereto.

Recorded in Book JJ at page 136 Public Registery at Macon County, North Carolina

_____,
which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

None

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book **1**, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 8th day of July, 1957.

J B Bray	Trustee	[Seal]		[Address]
[illegible]	Trustee	[Seal]		[Address]
E L Hyde	Trustee	[Seal]		[Address]
		[Seal]		[Address]
		[Seal]		[Address]
		[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF[redacted] and MF-203)
June 1956

For Government's Use Only
EXP[redacted]ATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

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7. Added provision: None (State "None" or "See Annex No.____")

Dated this 8th day of July, 1957.

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[illegible]	Trustee	[Seal]	[Address]
E L Hyde	Trustee	[Seal]	[Address]
		[Seal]	[Address]
		[Seal]	[Address]
		[Seal]	[Address]

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[Corporate Seal]

MF-205
(Combines and supercedes MF[illegible]1 and MF-203)
June 1956

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Operator_____
Docket No. DMEA-_____
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MF-205
(Combines and supercedes MF[illegible]1 and MF-203)
June 1956

For Government's Use Only
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Operator_____
Docket No. DMEA-_____
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G B Ray	Trustee	[Seal]	Franklin, N.C.	[Address]
[illegible]	Trustee	[Seal]	" "	[Address]
E L Hyde	Trustee	[Seal]	" "	[Address]
		[Seal]		[Address]
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_____

[Corporate Seal]

Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42–R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

Knob Mining Company
Franklin
North Carolina

RECEIVED
JUL 16 1957

APPLICANT NOT TO USE THIS BLOCK

Docket Number: 4788
Date Received: 7/18/57
Government Participation %:
Region: V
Division Code: 600

RECEIVED JUL 18 1957 D.M.E.A.

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [ ]
- Partnership [X]
- Other (Specify) [ ]

State in which firm is organized: N. C.

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
E. B. Duvall	Rt. 3, Franklin, N. C.	
Jay Houston	Rt. 4, Franklin, N. C.	
Raleigh Houston	Rt. 4, Franklin, N. C.	
Reid Womack	Franklin, N. C.	

Mineral(s) for which you wish to explore: Mica

Estimated Cost of Project: $ 2890.00

LOCATION OF PROPERTY

Name	County	State
Beasley No. 1	Macon	N. C.
Beasley No. 2		

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order–I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

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.

July 13, 1957
Dated

E. B. Duvall
BY (Signature)

President
Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 15539

1 (a) All mineral interest in N. C. State Grants No. 3247, 3248 and 3249 as shown on U. S. Forest Service Map attached.

ORIGINAL FILE COPY
DMEA
RECEIVED JUL 18 1957

DATE	INITIALS	CODE

1(b) Bradley Butt Mine, Beasley No. 1 mine.

1(c) Lessee (Copy of lease attached)

1(d) None

2(a) This mine has been worked at intervals over a period of 75 years by open cut and a tunnel.

2(b) None

2(c) This mine has been a rich producer of very large and high grade mica. No records are available to us.

2(d) Large deposits of stratégic mica are believed to still exist in this mine and can be recovered by modern mining methods.

2(e) Ample indications are visable and can perhaps be best appraised by field inspe ction by a Geologist.

2(4) Past production of a limited operation and existing indications.

2(g) None available.

3(a) See attached TVA map No. 166-JE

3(b) Franklin, N. C. - 15 miles.

4(a) Extend present tunnel 50 feet to explore area under old surface workings that produced large quantities of high grade mica.

4(b) Not applicable.

4(c) Start within 30 days. To be completed within 60 days.

5. Applicants had long experience in mica mining in this are a and are entirely familiar with the problems and methods involved.

6(a) No applicable.

6 (b)

1.	Foreman - - - 60 days @ $15.00 - - - - -	900.00
2.	Drill operator - 60 days @ $12.00 - - -	1440.00
1.	Powder Man - - 60 days @ 12.00 - - - -	720.00
3	Laborers - 60 days @ 8.00 - - - - - - -	480.00
		3540.00

6(c)	Small tools, picks, shovels, etc.	$100.00
6(d)	1 air compressor by applicant	2500.00
	2 Jack hammers by applicant	300.00
	1 Muck car by applicant	300.00
	20 cases dynamite	250.00

6(e) Not applicable

6 (f) Not applicable

6 (d)	Maintenance of equipment	$150.00
	Gas, oil, etc.	250.00
	Insurance, etc.	500.00
		$900.00

7(a) Yes

7 (b) Labor and equipment

NORTH CAROLINA
MACON COUNTY

THIS LEASE, Made and entered into, this the 29th day of May, 1956 by and between JUNALUSKEE LODGE NO. 145, A. F. & A. M., located in the town of Franklin, North Carolina, party of the first part, and KNOB MINING COMPANY, a North Carolina Corporation, party of the second part,

WITNESSETH:

That for and in consideration of the covenants and agreements hereinafter set forth, to be done and performed by the party of the second part, their successors or assigns, the party of the first part has leased, and by these presents does lease unto the party of the second part, its successors or assigns, the exclusive right to prospect, mine, raise and remove any and all minerals, ores and mineral products in and upon the following described property:

The mineral interest and mining privileges on a tract of land consisting of 500 acres on the waters of Cowee Creek in Macon County, North Carolina, being a part of the property conveyed to Junaluskee Lodge No. 145 by Mary L. Bowers by deed, dated September 6, 1900, and recorded in Book JJ, at page 136, Public Registry of Macon County, and being the land on which the mines known as Beasley #1 and #2 are located, together with the right of ingress, egress and regress to and from said land and with the right to cut and use such timber as may be necessary for the conduct of said mining operations and also the right to use any water necessary for mining purposes.

THE TERMS AND CONDITIONS OF THIS LEASE ARE AS FOLLOWS:

1. The term of this lease shall be for a period of Five (5) Years, beginning on the 29th day of May, 1956, and ending on the 29th day of May, 1961. It is mutually agreed, however, that this lease may be extended thereafter, from year to year, at a royalty then being paid for like minerals in the area, which royalty shall in no case be lesss than twelve and one-half per cent (12½%) of the sale price thereof.

2. The party of the second part agrees to pay unto the party of the first part a royalty of twelve and one-half per cent (12½%) of the receipts derived from the sale of block or sheet mica mined from said premises and the sum of ONE AND 50/100 ($1.50) DOLLARS per ton for all scrap mica mined thereon. The party of the second part agrees that if any mineral other than mica shall be mined on said premises, that the party of the second party shall pay as royalty for such mineral the usual royalty being paid therefor in this area, or in other areas of Western North Carolina.

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 18 1957
DATE | INITIALS | CODE

3. All royalty accruing under this Lease shall be due and payable on or before the 20th day of the calendar month next following that during which such royalty accrued.

4. It is mutually understood and agreed that the principal consideration moving the party of the first part to enter into this lease is the agreement by the party of the second part, its successors and assigns, to conduct mining operations on said property with diligence and in good faith, It is therefore specifically agreed that the party of the second part shall, in good faith and with due diligence, begin mining operations not later than September 29, 1956.

Upon failure to beging operations as aforesaid and within the time stated, or upon failure to conduct operations upon said property for period of sixty (60) days without the agreement of party of first party, beginning September 29, 1956, this lease shall become null and void. Mining operations shall be conducted at each of the #1 and #2 Beasley mines. Failure to conduct mining operations at either mine shall void lease on the unworked mine.

5. The party of the second part agrees to keep and maintain complete and accurate records of all sales of minerals removed from said property and to permit the party of the first part, through its designated representatives, to inspect and audit said records at any time.

6. Upon the termination of this Lease, or any extension thereof, the party of the second part shall be the right to remove from the leased premises all buildings, tools, machinery and equipment belonging to the party of the second part. This right shall, however, only accrue if all royalties then or theretofore due, shall have been paid. If, at said termination, there shall remain unpaid royalties for minerals removed from said premises, then and in such event, no buildings, equipment or other property belonging to the party of the second part shall be removed from said premises until said indebtedness has been satisfied, or except by express permission of the party of the first part.

7. This Lease shall not be assigned without the express permission of the party of the first part.

8. In the event that the party of the second part shall fail to pay any royalty when due, the party of the first part shall have the right, upon ten (10) days notice to the party of the second part, to terminate this Lease. However, if the party of the second part shall, within ten (10) day period of notice, pay all royalties due the notice of termination of said Lease shall deemed to be cancelled and the Lease continued in full force and effect.

IN WITNESS WHEREOF, the party of the first part has caused this lease to be executed in its name by its three principal officers, and its common seal thereto affixed, all by the order of the Lodge in stated communication, and the party of the second part has caused this lease to be executed in its name by its President, and attested by its Secretary and the Corporate

seal affixed thereto, all by order of its Board of Directors duly given, all on the day and year first above written.

JUNALUSKEE LODGE #145
A. F. & A. M.

H. H. Gnuse, Jr.

J. B. Ray

W. Faulkner

KNOB MINING COMPANY

E. B. Duvall

Jay Houston

Raleigh Houston

Reid Womack

Witness my hand and notorial seal:
This 31 day of May, 1956.

Frank H. Calloway
Notary Public

U. S. Government Messenger Envelope

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

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

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Mr. W. N. Chamberlain P. M. E. A	RUN STOP		RUN STOP
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	RUN STOP		RUN STOP
	RUN STOP		RUN STOP

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Use other side

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

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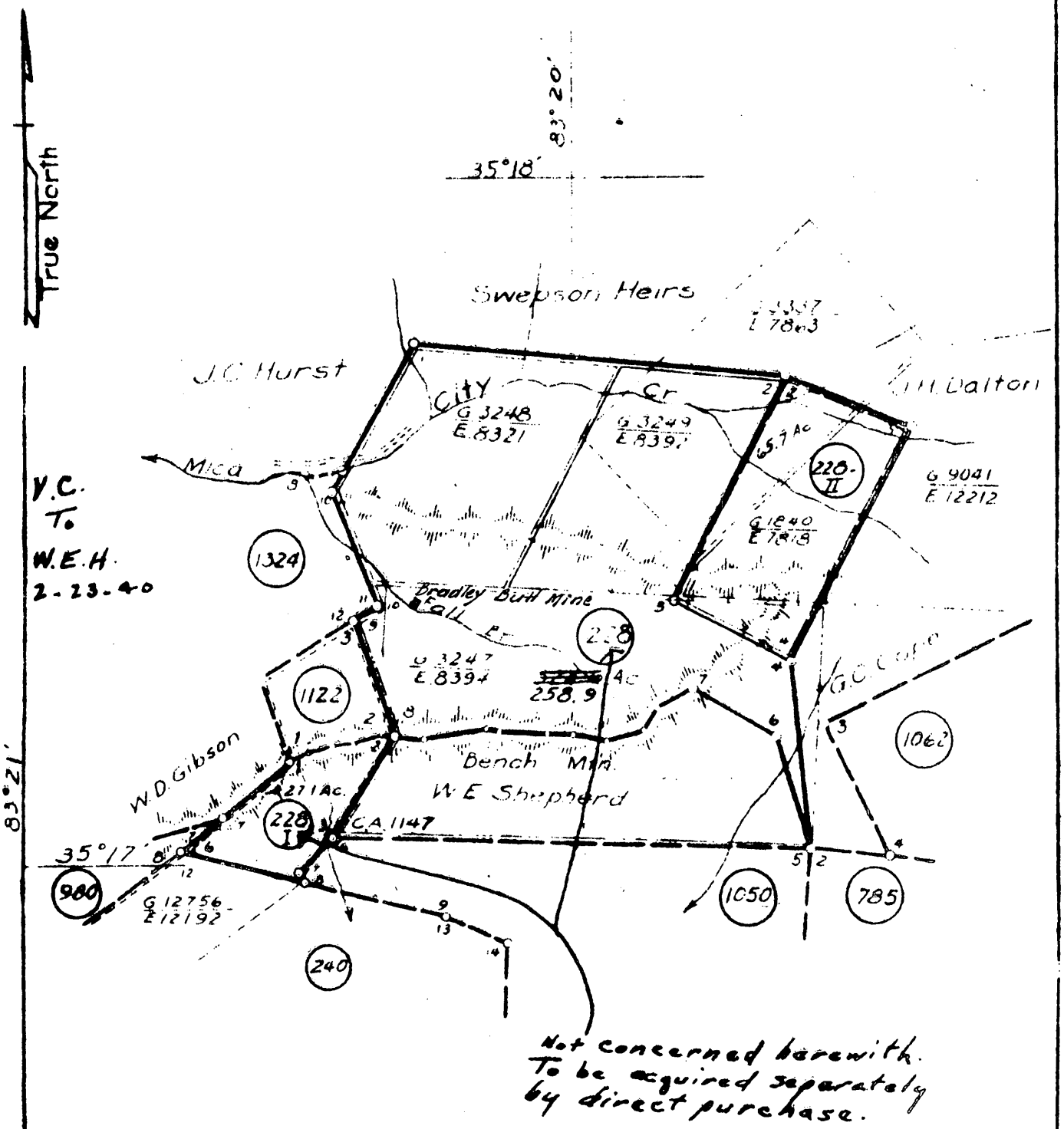
Form 10-73, 11-4

ACQUISITION SURVEY PLAT

NOTE: For bearings and distances, see description to which this map is attached and of which it is a part.



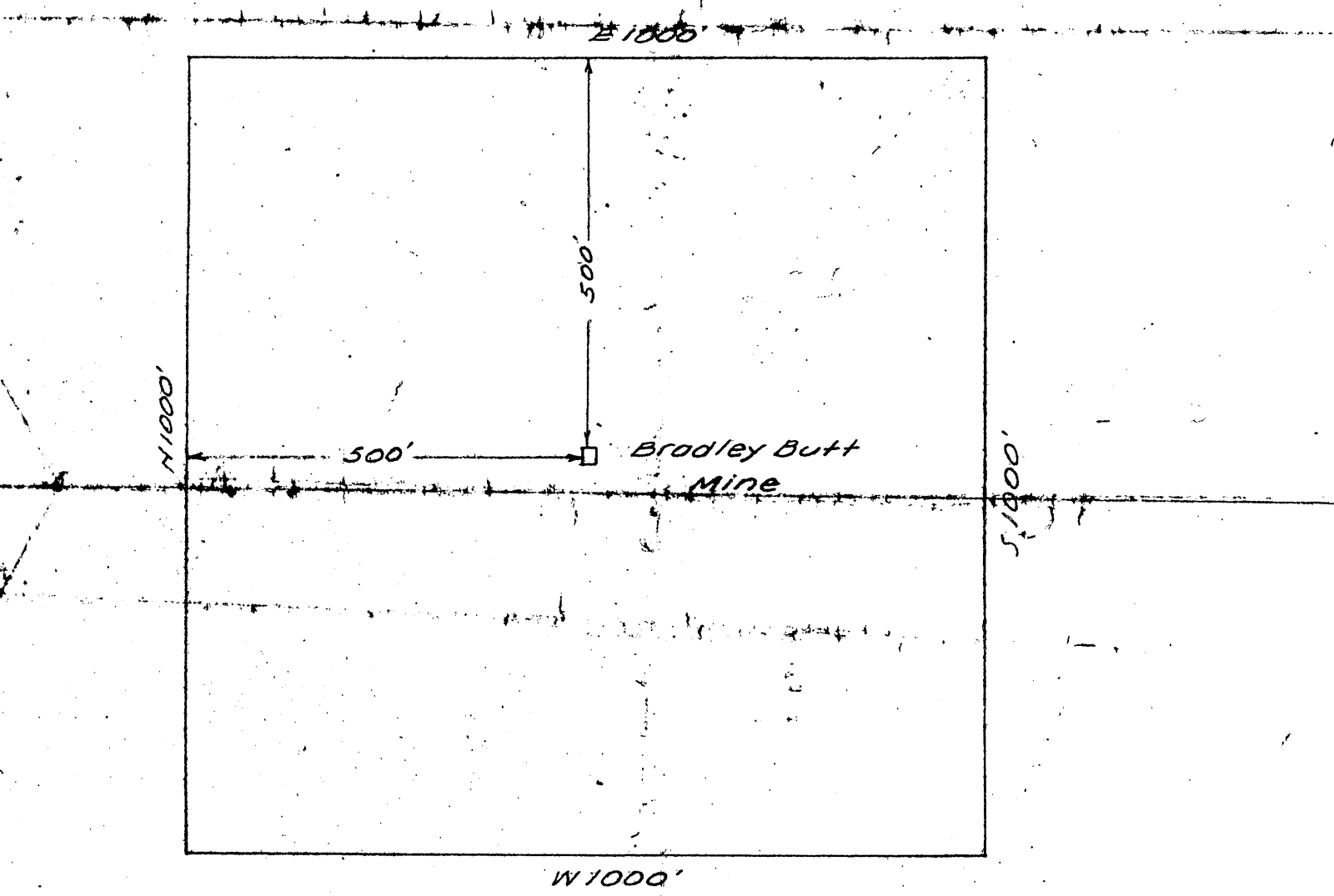
NANTAHALA NATIONAL FOREST

Rev. Joseph Andrew Gallagher (Nos. 228, II)

Macon County, N.C. State

Scale: 4 inches = 1 mile

U.S.F.S. SURVEYS
Surveyed by: J.R.B.
Note Book: 289 & 343
Drawn by: J.W.H.
Checked by: J.R.B.
Date: Jan. 4, 1940



AREA TO BE COVERED
BY LIEN

DMEA Form 7
(12-56)

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Date	Surname	Code
8/23	Houk	600
9/6	Selfridge	130
9/6	Burbach	130
9/4	Kiilsgaard	130
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9/9	P	220
		~~225~~

600 9/4

SEP 6 1957

Knob Mining Company
c/o Mr. E. B. Duvall
Route 3
Franklin, North Carolina

Re: Docket No. DMEA-4788-Mica
Knob Mining Company
Beasley Nos. 1 and 2
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 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,

Frank E. Johnson
ACTING Administrator

LGHouk:gad 8/23/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/23	Houk	

August 22, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Director, Division of Nonmetallic Minerals

Subject: Evaluation of application and field examination report
Docket No. DMEA-4788-Mica
Knob Mining Company
Beasley No. 1
Macon County, North Carolina

Denial of application is recommended.

Mica: Most of the mica in the two irregular mica-rich pegmatites is not of strategic quality. In the West Cut the mica is ruby-colored, hard and free-splitting in books up to 6 inches in diameter which are thin, a few being about 5 inches thick. Much of the mica is mineral stained and bent, some marred by "A" structure, ruling and pin holes, and is not of strategic quality. The Old Cut contains abundant scrap mica along the walls.

Pegmatite: Two irregular pegmatites well exposed by two open cuts, a large stope, and one adit. The area is underlain by garnetiferous biotite gneiss and some interlayered quartzose mica gneiss. The pegmatite in the West Cut dips steeply to the S.E., and is discordant but has a small concordant extension on the hanging wall. Recent work exposed a well-zoned pegmatite with a discontinuous quartz core, an intermediate layer of very rich mica pegmatite containing muscovite, plagioclase and quartz along both walls and an outer zone rich in plagioclase and biotite and containing some quartz, muscovite, garnet, and pyrrhotite. The mica rich zone ranges from less than 1 to about 2 feet and the pegmatite ranges from 4 to 6 feet. The pegmatite is fresh and unweathered.

Workings: The larger of the two pegmatites is exposed in the Old Cut and "A" Adit. No recent work done on this pegmatite. Exploration made by the Thurman Mining Company in 1943-44 indicates that the large pegmatite in the Old Cut and the stoped area flattens out. The present Applicant advanced the face of the West Cut about 10 feet during the past few months. Recent work produced 1300 pounds of "mine-run" mica from which about 17.5 pounds of trimmed sheet mica was recovered.

Past production: A large amount of mica is said to have been mined from an unusually rich pegmatite but later history is vague.

Applicant's proposal:

Drive 50-foot tunnel under old workings, $7,890.00.

Recommendations:

The Field Team recommends denial of the application because additional level work along Adit "A" would probably not intersect the large pegmatite, and although the Old Cut and the stoped area contains abundant scrap mica no observable strategic mica was present. Most of the mica in the West Cut is not of strategic quality. The Division of Nonmetallic Minerals concurs in the Field Team's recommendation as do the Commodity Members of the Bureau of Mines and the Geological Survey.

LGHouk:gad 8/22/57
Copy to: Admr. R. File
Mr. Houk

IN REPLY REFER TO:

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

September 4, 1957
Re: DMEA 4788
Knob Mining Company
Beasley No. 1 mine
Macon County, North Carolina
$7,890.00 - Mica

Memorandum

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

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring a pegmatite by extending a previously driven drift under a possible downward extension of its surface exposure.

The pegmatite, No. 1, is one of two pegmatites, known as the Beasley pegmatites, on which considerable work has been done, and from which, it is reported, considerable mica has been recovered. The No. 2 pegmatite was the site of assisted work under DMEA 2961, Idm-E563 in 1953. No mica production resulted.

Mica shows where work has been done on the No. 1 pegmatite but little of it is of strategic quality, for which reason the examiners recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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RECEIVED SEP 4 1957

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9/4	Q	220
9/5	Houk	600

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RECEIVED AUG 23 1957

DATE	INITIALS	CODE
8/23	C	220
8/23		600

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

August 23, 1957

~~Memorandum~~

To: ~~Nonmetallic~~ Minerals Division
~~Defense~~ Minerals Exploration Administration

From: Donald R. Irving, Acting Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4788 (mica)

Applicant: Knob Mining Co.

Name and Location of Property: Beasley Nos. 1 and 2, Macon County, North Carolina

Date of Field Team Report: 8/15/57

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/20/57

Field Team Recommendation: Recommend that exploration assistance be denied.

Comments:

1. This mine is reported to have been a heavy producer when first opened prior to the 1900's, but later history is vague.
2. An unsuccessful mining operation was attempted in 1943-44.
3. Recent work produced only 17.5 pounds of trimmed mica from 1,300 pounds of mine-run mica.
4. Although much mica was seen by the field examiners, little of it was of strategic quality.

Recommendation:

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

Donald R. Irving

Donald R. Irving

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

August 15, 1957

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RECEIVED AUG 19 1957

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8/19	Q	220
8/21	Q	180 ~~210~~
		220
		600

Memorandum

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

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

Subject: Field Examination Report
DMEA-4788 (mica), Knob Mining Company, Franklin, N. C.
Beasley Nos. 1 and 2, Macon County, North Carolina

Enclosed are the original and three copies of the subject field examination report.

It is recommended that exploration assistance be denied Knob Mining Company.

Robert A. Laurence
Robert A. Laurence
Executive Officer

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

Enclosures 4

Reviewed by
DMEA OPERATING COMMITTEE
8-21-57
(date)

On-Site Exam Rpt

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

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DATE
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On

DMEA-4788 (mica) BEASLEY NOS. 1 and 2
Macon County, North Carolina

By

L. E. Shirley and S. A. Feitler
Mining Engineers
U. S. Bureau of Mines

and

F. G. Lesure, Geologist
U. S. Geological Survey

August 9, 1957

Reviewed by
DMEA OPERATING COMMITTEE
8-21-57
(date)

FIELD EXAMINATION REPORT

On

DMEA-4788 (mica) BEASLEY Nos. 1 and 2

Applicant: Knob Mining Company, Franklin, North Carolina

SUMMARY

Two irregular pegmatites are well exposed by two open cuts, a large stope, and one adit. Although both pegmatites are mica-rich, most of the mica is not of strategic quality. It is recommended that exploration assistance be denied.

INTRODUCTION

Location

The Beasley No. 1 mine is located on the north side of Fall Branch, a tributary of Mica City Creek, in the northeastern edge of Macon County, North Carolina, two airline miles N. 85° E. of Liberty Church, North Carolina (TVA quad., Greens Creek, N. C., 166-SE). A good jeep road, 0.7 miles long, affords access to the mine area from the all-weather Mica City Creek Road.

Examination

The Beasley No. 1 mine was examined on August 9, 1957. Messrs. E. B. Duvall, Glen Holt, and J. T. Hurst accompanied the examiners on the inspection. About three hours were spent in examining the old workings and recent work on the Beasley No. 1 property. Although the name Beasley No. 2 mine appears on the application, that mine was not examined, nor is it involved in the present application. The name Bradley Butt mine also referred to in the application is apparently taken from the nose-like topographic feature above the Beasley No. 1 mine shown on the Greens Creek,

North Carolina, 7½-minute TVA topographic quadrangle.

The Applicant has a 105 c.f.m. compressor on the property, but no other facilities or equipment are present. Water is readily available and electricity is available about 0.7 miles to the northwest at the end of the Mica City Creek Road.

PAST OPERATIONS

Rubin Beasley began mining the Beasley No. 1 in the main open cut about 1880. A large amount of mica is said to have been mined from an unusually rich pegmatite but later history is vague (Olson, North Carolina Dept. Conservation and Development, Bulletin 49, p. 21, 1946). In 1943 the mine was leased to the Thurman Mining Company which developed the West Cut (see attached maps). This operation was abandoned in April 1944 (Olson, 1946, p. 22). No subsequent work was done until the present applicant advanced the face of the West Cut about 10 feet during the past few months. In the course of this recent work about 1300 pounds of "mine-run" mica were recovered from the new work and from dump material in the West Cut. From this mica about 17.5 pounds of trimmed sheet mica was recovered.

GEOLOGY

The geology of the mine area has been described adequately in Olson's Franklin-Sylva report (1946) and in two unpublished U. S. Geological Survey manuscripts; Beasley No. 1 Mine by M. R. Klepper, December 29, 1943, and Beasley No. 1 Mine, supplement report, by J. C. Olson, June 1944. The area is underlain by garnetiferous biotite gneiss and some interlayered quartzose mica gneiss. Foliation strikes generally N. 65° E. and dips steeply to the

northwest. Two irregular pegmatites striking northeast and dipping southeast are exposed in two open cuts, one large stope, and a smaller stope and adit (see attached maps). The larger pegmatite is exposed in the old cut and "A" adit. No recent work has been done on this pegmatite and it is the same as described by Klepper and Olson. The pegmatite in the West Cut strikes about N. 75° E. and dips steeply to the southeast. In general, it is discordant but has a small concordant extension on the hanging wall. The recent work has exposed further a well-zoned pegmatite with a discontinuous quartz core, an intermediate layer of very mica-rich pegmatite containing muscovite, plagioclase and quartz along both walls, and an outer zone rich in plagioclase and biotite and containing some quartz, muscovite, garnet, and pyrrhotite. The pegmatite ranges from 4 to 6 feet at the present working face but apparently thins rapidly to the east. The quartz core ranges in thickness from a few inches to more than 1 foot, the mica-rich zone from less than 1 to about 2 feet, and the outer zone from less than 1 to about 1 foot.

The mica recovered from the West Cut is mostly ruby-colored, hard and free-splitting. It occurs in books up to 6 inches in diameter, but is mostly between 2 and 4 inches in diameter. Most of the books are thin; a few are about 5 inches thick. Much of the mica is mineral stained and bent. As both Klepper and Olson reported some of the mica is also marred by "A" structure, ruling and pen holes. Only a small amount of the mica is of strategic quality, as shown by the low recovery of trimmed mica from the recent production. The pegmatite is fresh and unweathered, and the quality of the mica is not expected to become better with depth.

RECOMMENDATIONS

During the examination the Applicant suggested two alternatives for exploration. The first as described in the application was to extend the present adit "A" to explore the area below the old workings; the second was to drive an adit along the pegmatite in the West Cut towards the Old Cut under the assumption that the pegmatite exposed in the West Cut was a continuation of the pegmatite exposed in the Old Cut.

Exploration made by the Thurman Mining Company in 1943-44 indicates that the large pegmatite in the Old Cut and the stoped area flattens out and additional level work along Adit "A" would probably not intersect that pegmatite. Although the Old Cut and the stoped area contains abundant scrap mica along the walls, no observable strategic mica was present in either. Most of the mica in the West Cut is not of strategic quality. For these reasons, it is recommended that the application for exploration assistance be denied.

August 9, 1957.

L. E. Shirley and S. A. Feitler
Mining Engineers
U. S. Bureau of Mines

and

F. G. Lesure, Geologist
U. S. Geological Survey

DMEA Form 7
(12-56)

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Date	Surname	Code
7/23	Houk	600
7/24	Martin	130
"	Johnson	110
"	Westendorf	100
7/25	C D	220
		600

600

JUL 25 1957

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

Re: Docket No. DMEA-4788-Mica
Knob Mining Company
Beasley Nos. 1 and 2
Macon County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda dated July 19, 1957, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (24B)

Approved:

Horace T. Reno (24B)
Member, Bureau of Mines

Thor H. Kiilsgaard (24B)
Member, Geological Survey

Enclosures 5

LGHouk:gad 7/23/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

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7/23	Foult	600
7/24	Martin	130
		~~110~~
		100
		220
7/24	Reno	130
7/24	Kilsgaard	130
"	Johnson	110
"	Mittendorf	100

600

JUL 25 1957

Knob Mining Company
c/o Mr. E. B. Duvall
Route 3
Franklin, North Carolina

Re: Docket No. DMEA-4788-Mica
Knob Mining Company
Beasley Nos. 1 and 2
Macon County, North Carolina

Gentlemen:

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

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

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

LGHouk:gad 7/23/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

4988

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

July 10, 1957

OFFICIAL FILE COPY
DMEA
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		~~200~~
7/23	C	~~720~~
7/23	Hank	600
7/23	C	225
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Knob Mining Company
c/o E. B. Duvall
R#3
Franklin, N. C.

Dear Mr. Duvall:

Your application for aid in exploration for strategic mica at the Beasley Nos. 1 and 2 mines in Macon County, North Carolina has been received. However, you neglected to sign the certification on form MF-103.

Therefore, I am returning to you the four copies of form MF-103. Please have all four signed and dated in the appropriate places at the bottom of the form, and return them to me. Processing of your application will await the receipt of the signed forms.

Also, please give me the mailing addresses of the three trustees (J.B.Ray, E. L. Hyde and W. Faulkner) who signed the Consent to Lien.

On form MF-103, you state that this application applies to the Beasley Nos. 1 and 2 mines, but the maps indicate that it is for the Bradley Butt Mine. Is this another name for the Beasley No.2, or is it a different mine on the Beasley tract?

Very truly yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/zm
cc
Lynch
Files
Opr. Com.

IN REPLY REFER TO:

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

FILE COPY
DMEA
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600

July 19, 1957
Re: DMEA 4788
E. B. Duvall
Beasley Nos. 1 & 2
Macon County, N. C.
$2,890 - Mica

Memorandum

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

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

Subject: Review of application

The applicant requests assistance in extending an existing adit 50 feet to get below a place in an old mine from which strategic mica is believed to have been recovered.

The Beasley No. 2 mine was the site of DMEA assisted work in 1953 at a cost of $11,250.00 (DMEA 2961). No mica was recovered. The justification for the work may have rested on the results obtained in drilling 3 holes in 1945. A quick inspection of the file on DMEA 2961, Idm-E563, failed to reveal the name "Bradley Butt Mine", which, I assume is the site of the proposed work. Its relationship to the Beasley Nos. 1 and 2 properties is not shown on the maps.

Referral of the application to the Field Team for clarification is recommended.

N. E. Nelson

N. E. Nelson

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

OFFICIAL FILE COPY
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RECEIVED JUL 22 1957

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		600

~~July 19, 1957~~

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4788 (mica)

Applicant: Knob Mining Co. (E. B. Duvall)

Name and Location of Property: Beasley No. 1 and Beasley No. 2

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 7/18/57

Comments:

1. Applicants claim this is a very old mine with a 75-year history, and that it has been a very large producer of high-grade mica. (Not clear which prospect - applicants name two locations a second time as Bradley Butt Mine and Beasley No. 1).

2. Applicants propose driving a 50-foot tunnel under old workings for which they estimate cost to be $7,890.00 which is far in excess of equivalent DMEA projects (on first sheet of application cost is given as $2,890.00).

3. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

W. F. Dietrich

W. F. Dietrich

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

July 18, 1957

Knob Mining Company
Franklin
North Carolina

Subject: DMEA 4788
Re: Application

Gentlemen:

Your application for exploration assistance, dated July 13, 1957 submitted to our office at Knoxville, Tennessee has been assigned Docket Number 4788 and referred to the Division of Nonmetallic Minerals in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

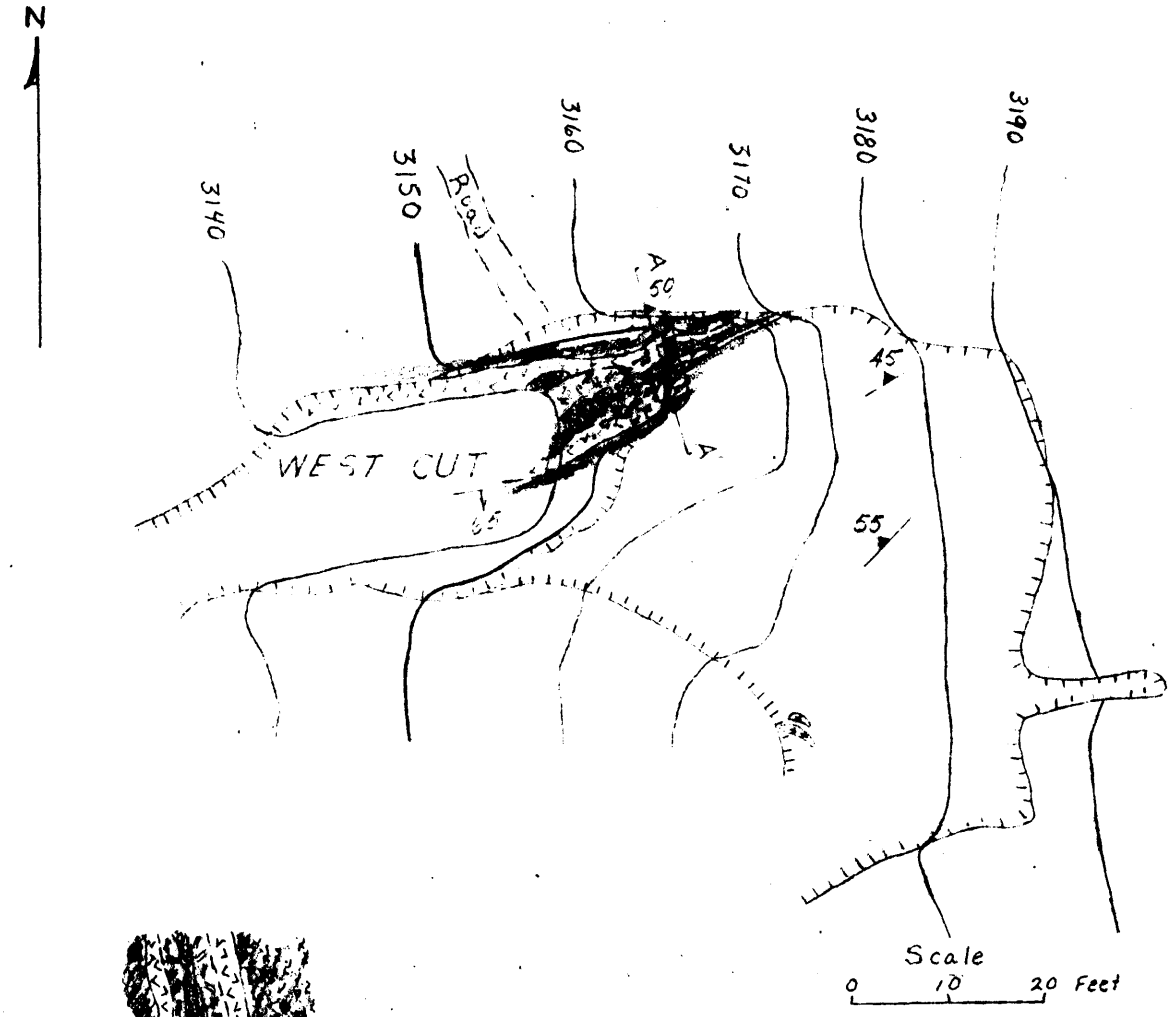
Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region V

3571



Projected section
scale
0 5 10 Feet

West Cut
Beasley No. 1
Macon County, N. C.

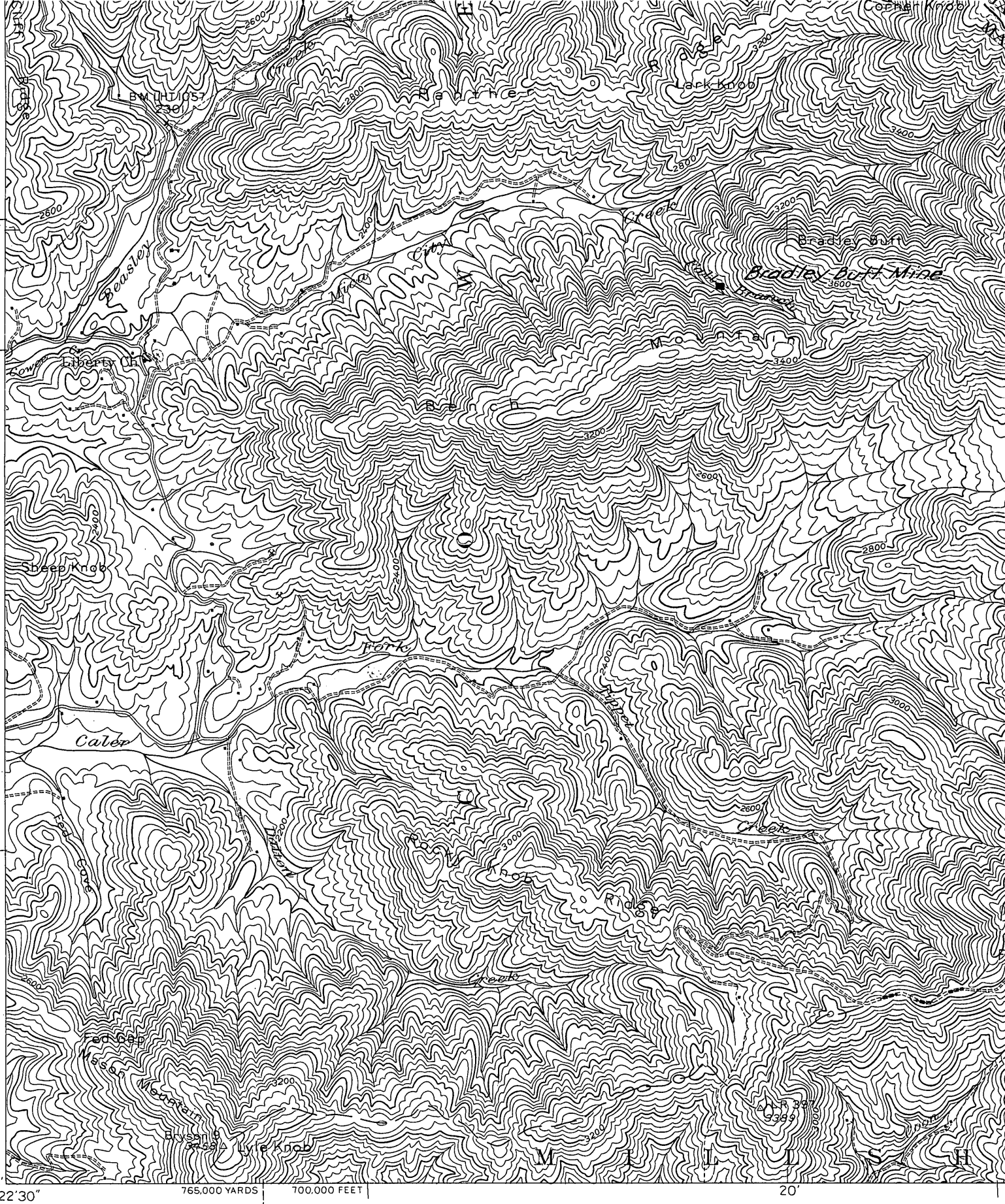
9 August 1957

DMEA-4788 (mica)

Explanation

- quartz pegmatite
- oligoclase pegmatite
- mica-rich pegmatite
- biotite-garnet gneiss
- contact showing dip
- open cut
- 55 strike & dip of foliation

Base modified from
plane table map by M.R. Klepper,
D.M. Larrabee, & W.B. Allen, 1943



Control by USC&GS, USGS, and TVA
Topography by Geological Survey from aerial photographs by stereophotogrammetric methods.
Field examination by Tennessee Valley Authority – 1940

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1941

1 ½
5000

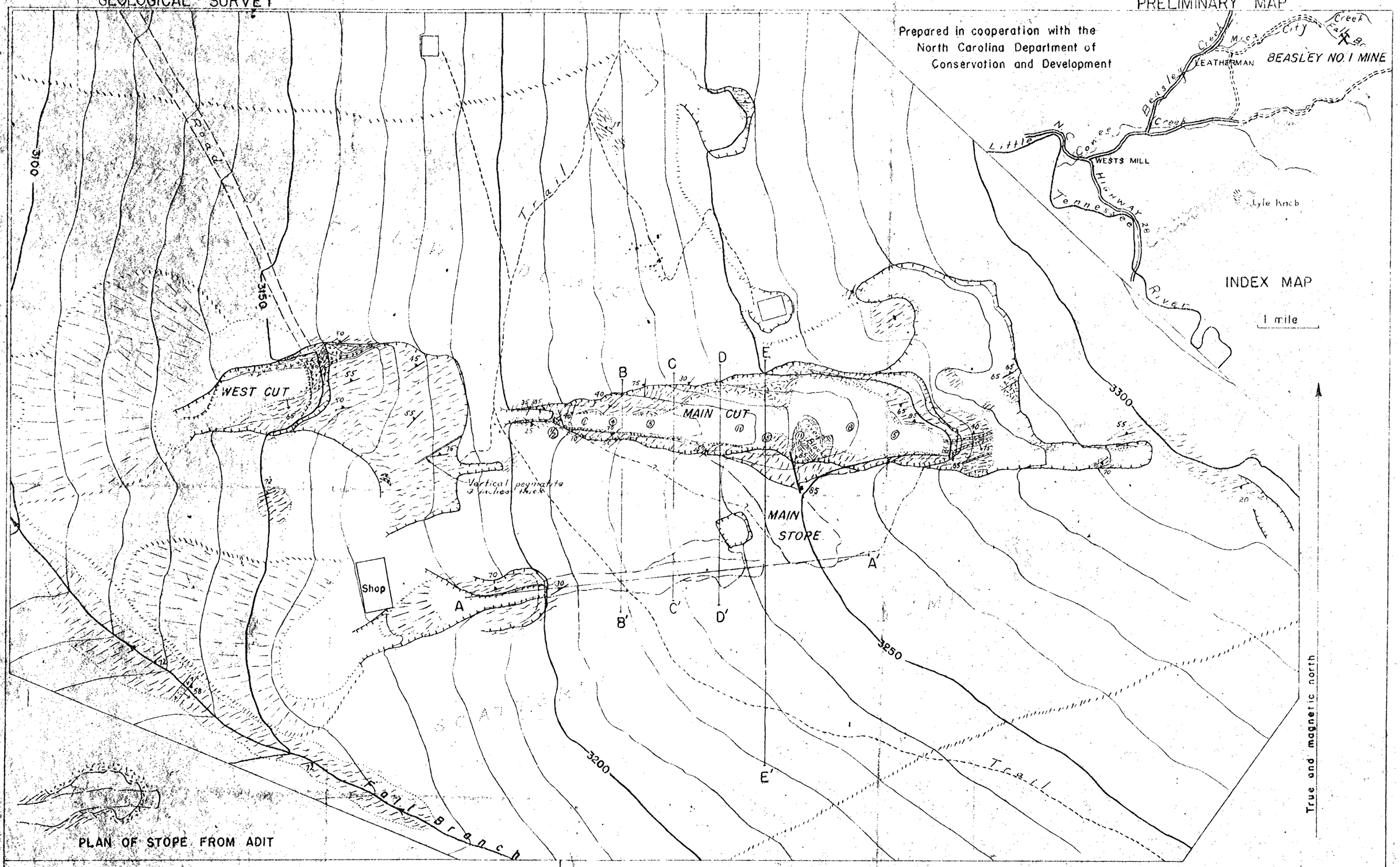
Maps distributed by the Geological Survey

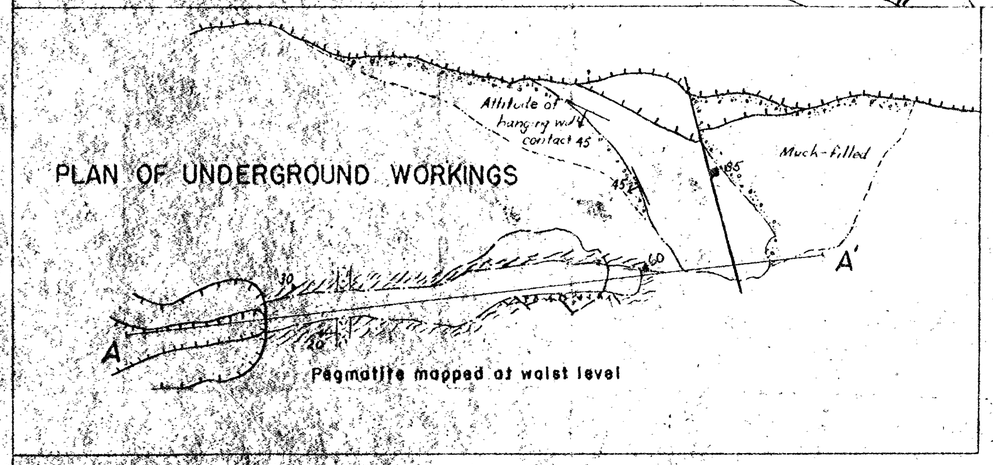
GREENS CREEK, N.C.
166-SE

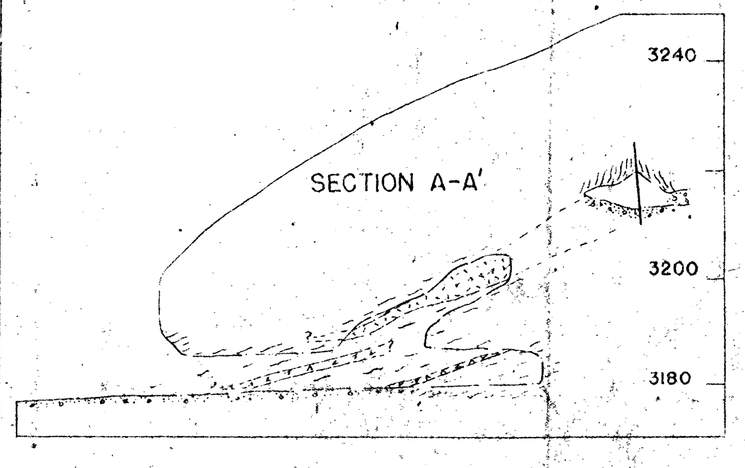
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

Prepared in cooperation with the
North Carolina Department of
Conservation and Development







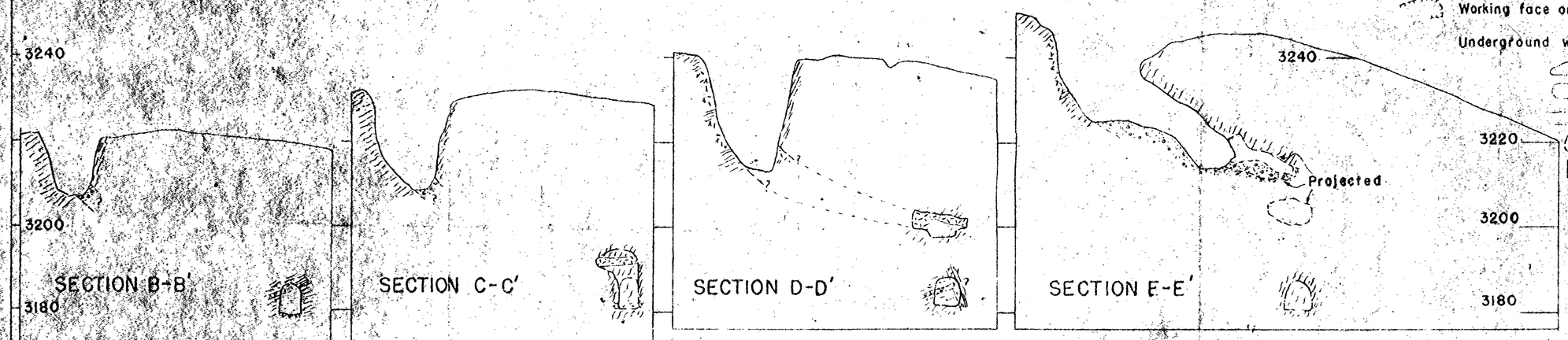
EXPLANATION

- Mica-rich pegmatite
- Scrap mica pegmatite
- Quartzose pegmatite
- Oligoclase pegmatite
- Biotite-garnet gneiss
- Contact, showing dip
- Fault, showing dip
- Strike and dip of foliation
- Strike of vertical foliation
- Limit of exposure
- Open cut
- Working face on Dec. 23, 1944

Underground workings:

- Main stope
- Inaccessible stope (approximate)
- Adit
- Stope from adit
- Muck
- Dump outline
- Main dumps
- Thickness of pegmatite in feet

Contour interval 10 feet
Datum assumed



Base map on scale 1 in. = 40 ft. by M.R. Klepper, D.M. Larrabee, and W.B. Allen, Dec. 23, 1943. Enlarged and revised by J.C. Olson and E. Wm. Heinrich, May 31 and June 12, 1944.

BEASLEY NO. 1 MICA MINE, MACON COUNTY, N.C.

0 20 40 60 80 100
Scale in feet

DMEA 4788 (mica)