Docket File
Surname:

Hopkins
Houk
Hopes
Nelson
Selfridge

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

Mr. Frank W. Phillips
Moulton Mining Company
Route 3
Newland, North Carolina

SEP - 2 1955

Re: Docket No. DMEA-3909 - Mica
Moulton Mining Company
Moulton Mine
Avery County, North Carolina

Dear Mr. Phillips:

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. Mittenderf (for)

Administrator

WCAnderson:pk 8/31/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

R.C.G.

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

August 31, 1955

Memorandum

To: The Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1. Docket No. DMEA-3909 - Mica
   Property: Moulton Mine - Moulton Property 3 acres
   Avery County, North Carolina
   Lease dated May 20, 1955

   Applicant: Moulton Mining Company (Frank W. Phillips)
   Route 3, Newland, North Carolina

   Application: MF-103 dated July 18, 1955

   Work proposed:

300 feet D. D. @ $6.00	$ 1,800.00
100 feet Shaft @ $70.00	7,000.00
100 feet Crosscutting @ $35.00	3,500.00
Total	$12.300.00

   No contract: Application denied

2. Comments:
   The Field Team's reason for recommending denial are not based on geological conditions but on the heavy condition of the ground and an excess of water. Considerable reserves of strategic mica could possibly be revealed but mining costs would be prohibitive.

   The Moulton Mine was first worked by several shallow shafts and drifts between 1880 and 1900. Past production is not known but has been appreciable. During 1943 and 1944 it was worked by open cut methods and dragline. Production valued at $20,000.00 is reported from these operations. Water conditions have greatly interferred with operations.

   Present workings consist of a circular open cut about 130 feet in diameter and approximately 50 feet deep.

   The country rock apparently was a feldspar-rich gneiss.

Two mica-bearing pegmatites connected by a dike of barren pegmatite $1\frac{1}{2}$ feet thick are exposed in the opencut. The two bodies have parallel strikes but have opposite dips away from each other.

The mica obtained is green in color and is soft. Many books are badly haircracked or ruled and are somewhat clay stained. The sheet recovery from the block mica is estimated at 3% to 5%.

The underground workings actually are very shallow openings in the floor and wall of the opencut.

The source of the water is not known with certainty. The marsh and the spring southwest of the mine indicates that the ground water probably saturates the ground at a relatively shallow depth.

Drilling as proposed by the applicant might prove extent of the pegmatites and of mica downdip but it could probably not be recovered economically because of heavy ground and water conditions.

The Nonmetallic Minerals Division, DMEA concurs in the recommendation that the application be denied on the basis of unfavorable ground and water conditions.

The Commodity Divisions of the Bureau of Mines and Geological Survey also concur in the recommendation.

August 31, 1955

Memorandum

To: The Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report

By: James Hopkins

1. Docket No. DMEA-3909 - Mica
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2. Comments:

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   The Moulton Mine was first worked by several shallow shafts and drifts between 1880 and 1900. Past production is not known but has been appreciable. During 1943 and 1944 it was worked by open cut methods and dragline. Production valued at $20,000.00 is reported from these operations. Water conditions have greatly interferred with operations.

   Present workings consist of a circular open cut about 130 feet in diameter and approximately 50 feet deep.

   The country rock apparently was a feldspar-rich gneiss.

Two mica-bearing pegmatites connected by a dike of barren pegmatite 1½ feet thick are exposed in the opencut. The two bodies have parallel strikes but have opposite dips away from each other.

The mica obtained is green in color and is soft. Many books are badly haircracked or ruled and are somewhat clay stained. The sheet recovery from the block mica is estimated at 3% to 5%.

The underground workings actually are very shallow openings in the floor and wall of the opencut.

The source of the water is not known with certainty. The marsh and the spring southwest of the mine indicates that the ground water probably saturates the ground at a relatively shallow depth.

Drilling as proposed by the applicant might prove extent of the pegmatites and of mica downdip but it could probably not be recovered economically because of heavy ground and water conditions.

The Nonmetallic Minerals Division, DMEA concurs in the recommendation that the application be denied on the basis of unfavorable ground and water conditions.

The Commodity Divisions of the Bureau of Mines and Geological Survey also concur in the recommendation.

JHopkins:pk 8/31/55
Copy to: Admr. R. File
Mr. Houk
Docket

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

RECEIVED
AUG 31 1955

August 29, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-3909 (mica)

Applicant: Moulton Mining Co. (F. Phillips)

Name and Location of Property: Moulton Mine, Mitchell County, N. C.

Date of Field Team Report: 8/18/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/25/55

Field Team Recommendation: Recommend denial of application.

Comments:

1. Due to extremely unfavorable ground conditions this mine probably could never be a profitable producer.

Recommendation: I concur with the field team's recommendation of denial.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED

August 26, 1955

Re: DMEA 3909
Moulton Mining Co.
Moulton Mine
Avery Co., N. C.
$12,300 - Mica

Memorandum

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

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

Subject: Review of Field Team report.

A complicated structure, with irregular, twisting and crosscutting pegmatites, so often favorable for mica deposition, is here beset with mining problems well evaluated by the examiners.

The conclusions of the Field Team are apt. I concur with the denial recommendation.

N. E. Nelson

N. E. Nelson

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

August 18, 1955

RECEIVED

Memorandum

To: Operating Committee - DMEA - Washington

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

Subject: Field Examination Report - DMEA-3909 (mica) Moulton Mining Company, c/o Frank Phillips, Newland, N. C.

Transmitted are four copies of the subject examination report with copies of map attached.

The reasons for recommending denial are not based on geological conditions but on the heavy condition of the ground and an excess of water. Considerable reserves of strategic mica could possibly be revealed but mining costs would probably exceed the value of the mica.

V. J. Lynch

V. J. Lynch, Acting
EXECUTIVE OFFICER
DMEA REGION V

D. H. Amos

D. H. Amos, Geologist
U. S. Geological Survey

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Reviewed by
DMEA OPERATING COMMITTEE
8-26-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
AUG 22 1955

REPORT OF EXAMINATION BY FIELD TEAM, REGION V

ON

DMEA-3909, MOULTON MINE (mica)
Avery 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

Reviewed by
DMEA OPERATING COMMITTEE
8-26-55
(date)

August 18, 1955

FIELD EXAMINATION REPORT ON

DMEA-3909, MOULTON MINE
(mica)

Applicant: Moulton Mining Company, c/o Frank Phillips, R#3, Newland, N.C.

Considerable mica has been recovered from shallow workings at this mine but operations have always been hampered ny heavy ground and water problems. It is doubtful if a shaft could be sunk below the level of the old working at a reasonable cost; thus it is recommended that the application be denied.

This deposit was examined July 25, 1955. Mr. Frank Phillips accompanied the examiners on the inspection which required two hours.

The Moulton Mine is located near Pyatte and 2½ miles southeast of Plumtree, Avery County, North Carolina.

The mine was first worked by several shallow shafts and drifts between 1880 and 1900. During 1943 and 1944, Frank Phillips operated the mine by open cut methods with a dragline. Past production is not known but has been appreciable. The operation during World War II is reported to have been at a profit. During the last few months, Mr. Phillips has resumed dragline operations and has recovered a small amount of mica. Almost continuous pumping is necessary to keep the pit free of water.

The present workings consist of a circular open cut about 130-feet in diameter and approximately 50 feet deep. Remains of old timbered workings are exposed in the bottom of the cut.

Much of the following is taken from an unpublished report of the U. S. G. S. by W. R. Griffitts:

"The country rock apparently was a fesdspar-rich gneiss. Quartz, manganese bearing garnet, and both biotite and muscovite probably were the other constituents. It has weathered into a soft porous mass of mica, clay, and fine grained quartz. In the southern wall of the largest cut the foliation is much contorted."

"Two mica-bearing pegmatite bodies are exposed in the open cut. One relatively regular dike, which strikes north and dips 70° - 80° east, crosses the cut 95 feet from its east end. It may continue for about 100 feet along the row of old pits extending north from the main open cut. In the northeast wall of the cut this dike crosses the foliation planes of the country rock at a large angle. The second mica-bearing pegmatite body was first exposed in the drift. It is connected to the other mica-bearing pegmatite body by a dike of barren pegmatite 1½ feet thick. This mica-

Reviewed by
DMEA OPERATING COMMITTEE
8-26-55
(date)

bearing body strikes N. 50° W; its dip is probably 30° or 40° SW. In the northwest end of the drift the strike bends to about north and the dip changes to about 45° W. This body must either flatten or pinch out up dip, because it was not exposed in the wall of the open cut above the drift. The strike bends in the eastern part of the drift, but no details are known of the structure there."

"An irregular concordant body of barren pegmatite is exposed over much of the southwest wall of the open cut. In its westernmost exposure, it bends east or toward the cut. The positions of several exposures of pegmatite in the floor of the cut suggest that this barren pegmatite body may connect with the east end of the second- mica-bearing body discussed above."

"Mica occurs through most or all of the vertical or steeply dipping eastern pegmatite body, and commonly is associated with small streaks of quartz. In the less steeply dipping northwest pegmatite body, most of the mica occured near the hanging wall. The mica content of the northwest pegmatite body appears to be appreciably higher than that of the east body."

"The mica obtained is green in color and is soft. Many books are rather badly haircracked or ruled and are somewhat clay stained, resulting in a rather small average size of sheet obtainable from them. The sheet recovery from the block mica is estimated to be between 3% and 5%."

"The underground workings actually are very shallow openings in the floor and wall of the open cut. The ground had previously been disturbed both by the dragline and by the old shafts and tunnels. The disturbed condition no doubt accounts for part of the weakness of the walls. The old workings may extend over an area considerably larger than that of the open cut and serve as collecting basins and conduits for ground water. The water, running through the material in the bottom of the cut would cause it to slump into any available opening."

"The source of the water is not known with certainty. Surface water coming down the hillside probably is not a significant part of the total flow except during and shortly after rains."

"The valley bottom about 80 feet east of the mine is quite marshy. Flow or seepage directly from the marsh to the mine may occur. The marsh and the spring southwest of the mine indicate that ground water probably saturates the ground at a relatively shallow depth. The old workings and to some extent the mine itself would collect the water, causing a local depression of the water table. The ground water in that case would flow into the area from all directions."

Drilling as proposed by the applicant might prove extent of the pegmatites and of mica downdip but it could probably not be recovered economically, because of heavy ground and water problems. The two bodies have parallel strikes but have opposite dips away from each other; thus, both bodies could not be intersected in the same hole unless it were a rather deep one. Because of this a minimum of four holes would be necessary to establish the two bodies at depth.

It is recommended that the application be denied on the basis of unfavorable ground and water conditions.

August 18, 1955

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

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

z

Docket Copy
Surname:
Anderson
Williams
Bishop
Martin
Johnson

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

AUG 11 1955

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

Subject: Docket No. DMEA-3909 - Mica
Moulton Mining Company
Moulton Mine
Avery County, North Carolina

Dear Mr. Laurence:

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

You will note that the property consists of approximately three acres which may be inadequate for the proposed exploration project estimated to cost $12,300.00. Therefore, we may find it necessary to request the Applicant to obtain additional land.

If your office recommends an exploration program approved by the Applicant, please furnish the necessary information to draft a contract. In this connection, nine copies of a map showing the pegmatite exposures and proposed work in relation to the property lines will be required.

Since the Applicant proposes to furnish operating equipment for his share of the cost of the project, it should be advised that only 1/60 per month of the current value of such equipment required for the project will be allowed.

Copies of memoranda from N. E. Nelson of the Geological Survey, dated August 1, 1955, and from W. F. Dietrich of the Bureau of Mines, dated August 1, 1955, are enclosed for your information.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

Approved:

O. M. Bishop (JHB)
Member, Bureau of Mines

/S/ W. P. Williams (JHB)
Member, Geological Survey

Enclosures 4

WCAnderson:gad 8/8/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

Docket File
Surname:
Anderson
F L Kasome
Williams
Bishop
Martin
Fishman

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

AUG 11 1955

Mr. Frank W. Phillips
Moulton Mining Company
Route 3
Newland, North Carolina

Re: Docket No. DMEA-3909 - Mica
Moulton Mining Company
Moulton Mine
Avery County, North Carolina

Dear Mr. Phillips:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerasl 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 (for)

Administrator

WCAnderson:pk 8/5/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

IN REPLY REFER TO:

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

RECEIVED
AUG - 1 1955

August 1, 1955

Re: DMEA 3909
Moulton Mining Co.
Moulton Mine
Mitchell Co., N. C.
$12,300 - Mica

Memorandum

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

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

Subject: Review of Application.

The program is somewhat ambitious for a property with a $20,000 production record and a water-mud problem.

The core drilling, if set up as a stage, is probably justified. If the results are commensurate with the cost of the underground work proposed, the 100 feet of shaft sinking and the 100 feet of drifting could follow.

A referral to the Field Team is recommended. Mining will be called for, hence the competence of the applicant should be investigated.

N. E. Nelson

N. E. Nelson

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

RECEIVED
AUG - 1 1955

August 1, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA - 3909 (mica)

Applicant: Moulton Mining Co. (F. W. Phillips)

Name and Location of Property: Moulton Mine, North Carolina

Date Application Rec'd by Br. of Ceram. & Fert. Materials: July 26, 1955

Comments:

1. This deposit appears to have possibilities for the development of strategic mica.

2. Apparently the large quantity of water is a major problem and this should be investigated. If the water cannot be controlled, it is questionable whether the project should be started.

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

July 26, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region V

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 V.

DMEA 3909 Moulton Mining Co.

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

July 26, 1955
Subject: DMEA-3909
Re: Exploration Assistance
Moulton Mine

Moulton Mining Co.
Route 3
Newland, N.C.

Gentlemen:

The receipt of your application dated July 18, 1955. for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3909 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved
Budget [redacted] 035.2.

RECEIVED
JUL 22 1955

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

Not to be filled in by applicant

Docket No. 3909
Metal or Mineral Mica
Date Received 7-22-55
Estimated Cost None
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: MOULTON MINING COMPANY Frank W. Phillips
Rt. 3, Newland, N. C. Rt. 3, Newland, N.C.
([redacted] --- 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 discription on lease

(*b*) State any mine name by which the property is known. Moulton Mine

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

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

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

(*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.

(*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 [illegible] of it) any geologic or engineering report, assay maps, or other technologic information you [illegible] 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.

RECEIVED
JUL 20 1955
U. [illegible] 6551-1
Geologic Division
Knoxville, Tenn.

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

(*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.

(*c*) The work will start within 10 days and be completed within 18 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.

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:

(*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.

(*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)?

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

☐ 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 July 18, 1953

Moulton Mining Co.
(Applicant)

By Frank N. Phillips

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

RECEIVED
JUL 22 1955

MOULTON MINING COMPANY

4. (a) This mine was found about sixty-five years ago near the surface of the ground. It was very rich as deep as could be worked at that time, the ve in running under a branch in very soft material. Due to the lack of sufficient water pumping f acilities, the mine was not worked more than 50 ft. deep. Since that time there have been several mining operations started only to be stopped by water and mud rushing into the shafts and tunnels.

(b) The mine as worked in 1943-44 and about $20,000.00 worth of mica was taken out according to mica prices at that date. Vein was still very rich at the depth I was able to reach (about 70 ft.). I had the same water and mud troubles of the other miners. Due to this and the market prices of mica dropping I had to close down.

(d) Moulton Mine is located about 300 yards off State asphalted highway, with power line running over present dump.

(e) Man power, materials, supplies, equipment, water and power available.

5. (b) To core drill 2 holes approximately 150 ft. each. If core shows vein, sink shaft approx. 100 ft., cross cutting 50ft. in 2 directions.

(d) 15 years experience in mica mining operations.

6. 300 ft. core drilling @$6.00 = $1800.00

100 ft. shaft and timbering @ $70.00 due to water and mud 7000.00

100 ft. cross cutting @ $35.00

(a) none

(d) Have sufficient operation equipment which I will furnish for 25% cost of operation.

7. (a) yes

RECEIVED
JUL 22 1955

NORTH CAROLINA
AVERY COUNTY

THIS AGREEMENT OF LEASE, Made and entered into this 20th day of May, 1955, by and between Susan L. Moulton, (widow); Exie Fletcher and husband, Harry Fletcher; Ina Baker and husband, Frank Baker; Henrietta Shaffer and husband, Carlos Shaffer, all of the county of Franklin and State of Ohio, sometimes hereinafter referred to as parties of the first part, and Frank Phillips of the County of Avery and State of North Carolina, sometimes hereinafter referred to as party of the second part.

WITNESSETH:

That for and in consideration of the sum of ONE DOLLAR paid to the parties of the first part by the party of the second part, the receipt whereof is hereby acknowledged, the parties of the first part, for themselves and their heirs and assigns, hereby lease unto the party of the second part and his heirs and assigns for mining purposes, the hereinafter described premises for a period of five (5) years from this date with the privilege of renewing said lease for an additional five (5) years conditioned that he and his heirs and assigns shall comply with all of the conditions contained herein and shall pay all of the royalties then due at the termination of this lease.

And the parties of the first part, for themselves and their heirs and assigns, hereby grant to the party of the second part and his heirs and assigns the right to dig, quarry and mine for mica, feldspar, and other merchantable minerals, together with the rights of ingress, egress and regress to and from said premises; to build mining sheds and shanties; to erect and remove at will mining machinery and equipment of every kind, and to do everything necessary and convenient to the successful mining and removal of minerals from said premises.

The party of the second part, for himself and his heirs and assigns, agrees to begin prospecting and mining on said premises within ninety days from the execution of these presents and to continue mining in good faith thereafter and agrees to mine said premises in a workmanlike manner; to leave all props, supports and stulks in position at the termination of this lease or any renewal thereof, for any cause, and agrees to pay to the parties of the first part or their heirs or assigns a royalty of one-eighth (1/8) of the selling price for all punch or pattern mica mined, removed and marketed by him or his heirs or assigns from said premises, and one dollar ($1.00) per short ton of 2000 pounds for all scrap mica mined and removed and marketed by him or his heirs or assigns from said premises and fifty (.50) cents per long ton of 2240 pounds for all feldspar mined, removed and marketed by him or his heirs or assigns from said premises and the customary royalty of the community for all other minerals mined, removed and marketed by him or his heirs or assigns from said premises and agrees to make payment to Henrietta Shaffer, for the parties of the first part, of all royalties due by him or his heirs or assigns, by the 15th of each succeeding month for all minerals sold by him or them during the preceding month. It is further agreed that one fourth (¼) of all royalties paid to the parties of the first part by the party of the second part shall be paid to the adjoining land owner for the right to dump the dirt, rock and water upon his premises, and for all road, water and power line rights.

It is mutually agreed that if the party of the second part or his heirs or assigns shall fail to mine said premises in good faith for six (6) consecutive months, then the parties of the first part may, at their option, declare this lease or any renewal thereof to be null and void and may re-enter and re-take possession of the premises herein described unless the stoppage of work shall have been caused by acts of God, of war, or other cause beyond the control of the party of the second part or his heirs or assigns.

The party of the second part may terminate this lease or any renewal thereof at will by first giving to Henrietta Shaffer thirty days written notice of his intention so to do and by paying all royalties then due and otherwise complying with the terms of this lease.

It is mutually agreed that the party of the second part or his heirs or assigns may use water, stone and timber from the hereinafter described premises for mining purposes and that at the termination of this lease or any renewal thereof, the party of the second part or his heirs or assigns shall have sixty (60) days in which to remove and market all minerals mined by him or them and in which to remove all property belonging to him or them from said premises.

It is mutually agreed that the party of the second part or his heirs or assigns shall have the free and uninterrupted use of any roads and shall have the right to construct and use new roads over said premises.

The herein leased premises lying and being in the county of Avery (formerly Mitchell) on the waters of Little Plumtree Creek.

BEGINNING at a Spanish Oak marked in Pyatte's line, running southerly 180 feet with said line to a certain stake; thence westerly 300 feet to a stake; thence in a northerly direction 300 feet to a stake; thence easterly at right angles 300 feet; thence southerly to the beginning, enclosing three acres, and being the same land conveyed by John Vance and wife, Lillie Vance, to E. K. Moulton of Brooklyn, New York, and E. S. Eldridge of Mitchell County, N.C., which deed is dated 1st. day of June, 1906, and is recorded in the office of Register of Deeds for Mitchell County in the Book of Deeds, No. "P" (16), page 581.

TO HAVE AND TO HOLD, the above described premises, to him, the said party of the second part, his heirs and assigns, to their only use and behoof for the time and upon the condition hereinabove stated.

And the parties of the first part for themselves, their heirs and assigns, covenant to and with the party of the second part and his heirs and assigns that they are the owners of said premises in fee and have a good right to lease the same; that the same are free and clear from all encumbrances and that the party of the second part and/or his heirs and assigns shall quietly enjoy and possess said leased premises for said leased term; that they will warrant and defend the title to said premises for the term hereinabove stipulated, against the legal claims of all persons whomsoever claiming by, through or under them.

IN WITNESS WHEREOF, the parties of the first and second parts have hereunto set their hands and affixed their seals (in duplicate), on the day and year first above written.

Her
Susan L. Moulton (SEAL)
Exie Fletcher Mark (SEAL)
Harry Fletcher (SEAL)
Ina Baker (SEAL)
Frank Baker (SEAL)
Henrietta Shaffer (SEAL)
Carlos Shaffer (SEAL)
Parties of the first part

Frank W. Phillips (SEAL)
Party of the second part

STATE OF OHIO
FRANKLIN COUNTY

I, Nellie Elliott, Notary Public in and for the County of ~~Franklin~~ Fairfield and State of Ohio, do hereby certify that Susan L. Moulton, widow; Exie Fletcher and husband, Harry Fletcher; Ina Baker and husband, Frank Baker; Henrietta Shaffer and husband, Carlos Shaffer, this day personally appeared before me and acknowledged the due execution by them of the foregoing instrument for the purposes therein expressed. And the said Exie Fletcher; Ina Baker and Henrietta Shaffer, each being by me privately examined, separate and apart from her said husband touching her voluntary execution of same, doth state that she signed the

RECEIVED
JUL 22 1955

same f reely and voluntarily, without fear or compulsion of her said husband or any other person and that she doth still voluntarily assent thereto.

Witness my hand and Notarial Seal, this 7 day of June, 1955.

Rollie E Kertter
NOTARY PUBLIC

(Notarial Seal here)

My Comm. expires: Mch 16-1958

NORTH CAROLINA
MITCHELL COUNTY

I, Kenneth R McKinney, Notary Public in and for the county of Mitchell and State aforesaid, do hereby certify that Frank Phillips this day personally appeared before me and acknowledged the due execution by him of the foregoing instrument for the purposes therein expressed.

Witness my hand and Notarial Seal, this 10 day of June, 1955.

Kenneth R McKinney
NOTARY PUBLIC

(Notarial Seal here)

My Comm. expires: 8/11/55

North Carolina
Avery County

Each of the foregoing certificates, namely Rollie E. Kertter, Franklin County Ohio, and Kenneth R. McKinney, Mitchell County, North Carolina Notaries Public of the State and County designated is adjudged to be correct. Let the instrument and the certificates be registered.

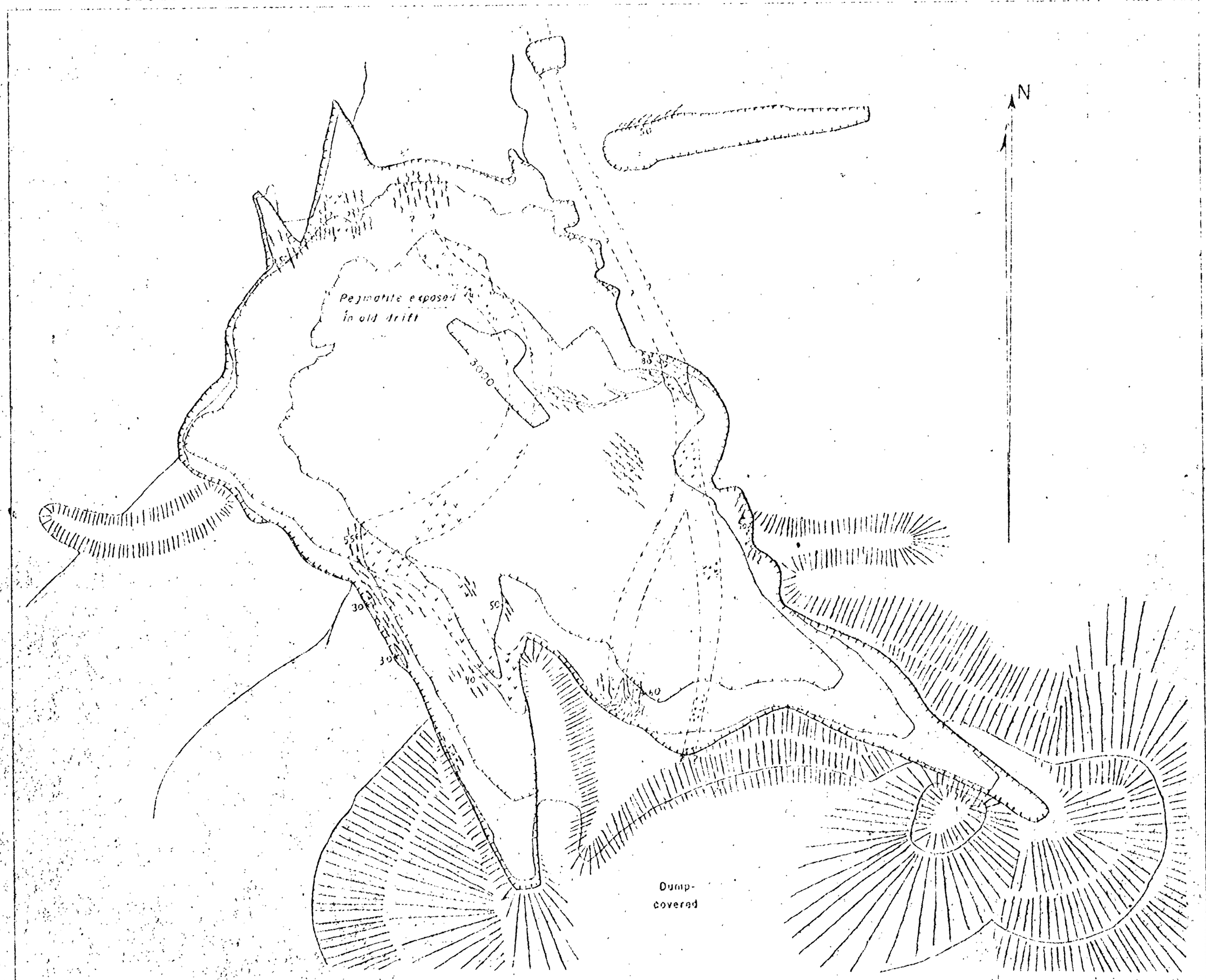
This the ~~1~~ 30 st day of ~~July~~ June 1955.

J. Walter Buchanan
Clerk Superior Court

6-30-55 3:50 pm

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP



EXPLANATION

- Feldspathic pegmatite
- Mica
- Mica gneiss
- Contact, location accurate, showing dip
- Contact, location approximate
- Strike and dip of foliation
- Rim of open cut
- Dump

Scale in feet

0 20 40 60 80

Contour interval 10 feet Datum assumed

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

Mapped March 24-25, 1944 by
W. R. Griffitts, J. M. Parker, III, and J. R. Wolfe, Jr.

Remapped October 24, 1944 by
W. R. Griffitts and J. O. Olson

U. S. GEOL. SURVEY
U. S. GOVERNMENT

MOULTON MICA MINE, AVERY COUNTY, NORTH CAROLINA

DMEA-3909 (mica)