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

DOCKET COPY
Surname:
Anderson
Hopkins
Yopes
Kilson
Selfridge
Johnson

MAY 11 1956

J and B Mining Company
P. O. Box 126
Spruce Pine, North Carolina

Re: Docket No. DMEA-4230-mica
J and B Mining Company
Burleson River Mine
Mason 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,

C. O. Mittendorf

Administrator

WCAnderson:ms 5/10/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson
Admr. R. File

R.S.K.

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

May 8, 1956

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Evaluation of Application and Field Examination Report
Docket No. DMEA-4230-mica
J and B Mining Company
Burleson River Mine
Macon County, North Carolina

Denial of application is recommended

Mica: Majority is scrap in size and quality, flat "A", and some ruling. Few pieces 4 to 5 inches in width, clear and unstained.

Pegmatite:
Two conformable converging pegmatites, zoned and weathered, biotite-gneiss wallrock. One is 10 feet wide at lower end, near creek bed, and pinches out over a strike length of 40 feet, away from the river bed. The other pegmatite is 3 feet wide. If dip projection of this pegmatite persists down dip, it would be 25-30 feet below surface of the river.

Old Workings:
A bulldozed area and a trench

Method of Exploring:
Applicant proposes to do $800.00 worth of bulldozing, sink 30 feet of shaft and drive 100 feet of drifts, for which he requests $5,925.00.

Recommendation:
The Field Team recommends denial of this application because of the relationship of the pegmatite to the hillside and the shore of the Little Tennessee River. There would be little work up the hill because the pegmatite pinches out in that direction, and any work on the pegmatite dipping under the river would be dangerous. The Nonmetallic Minerals Division and the Commodity Members of the Bureau of Mines and the Geological Survey concur in the Field Team's recommendation.

W. C. Anderson
W. C. Anderson
Nonmetallic Minerals Division

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

May 3, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4230 (mica)

Applicant: J. & B. Mining Co.

Name and Location of Property: Burleson River Mine, Macon Co., N. C.

Date of Field Team Report: 4/10/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 4/30/56

Field Team Recommendation: Recommend denial of the application.

Comments:

1. One pegmatite pinches out into the hillside and the other dips under the river.

2. There would be only 25-30 feet of back in the pegmatite beneath the river.

3. The majority of the mica observed in the two pegmatites was scrap mica.

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

W. F. Dietrich

W. F. Dietrich

RECEIVED
MAY 3 - 1956

IN REPLY REFER TO:

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

April 27, 1956

Re: DMEA 4230 A
J & B Mining Co.
Burleson River Mine
Macon Co., N. C.
$5,925.00 - 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 doing additional work in an old mine.

The examiners found that one pegmatite pinched out and the second dipped under the Little Tennessee River, and small scope for work remained. In addition, the strategic mica-bearing potential of the veins, judging by that of the exposed parts, is small.

The examiners and the Field Team recommend denial of the application.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

RECEIVED
APR 30 1956

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

RECEIVED
APR 25 1956

April 23, 1956

Memorandum

To: Operating Committee, DMEA- Washington

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

Subject: Field Examination Report - DMEA-4230, BURLESON RIVER MINE, Macon County, N. C. (mica) J. & B. Mining Co., Applicants.

Transmitted is the original and three copies of the subject examination report.

The Field Team concurs with the examiners that this application should be denied due to the water problem and the poor quality of the exposed mica.

Robert A. Laurence

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

V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
4-27-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
APR 2 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT, FIELD TEAM, REGION V

On

DMEA-4230, BURLESON RIVER MINE
Macon County, N. C. (mica)

By

A. R. Taylor, Geologist
Geological Survey

and

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

April 10, 1956

Reviewed by
DMEA OPERATING COMMITTEE
4-27-56
(date)

RECEIVED
APR 25 1956

FIELD EXAMINATION REPORT

On

DMEA-4230, BURLESON RIVER MINE
Macon County, N. C. (rica)

Applicant: J. & B. Mining Company, P.O. Box 126, Spruce Pine, N. C.

Summary

Two mica-bearing pegmatites exist in old works at an elevation about 5 ft above, and a distance of 70-80 ft from a river. Water will be a major problem. One pegmatite pinches out into the hillside, and the other dips under the river. It is recommended that the application be denied.

General

The mine is on the eastern shore of the Little Tennessee River, 1.0 airline miles N 8° W of the town square in Franklin, N. C.

The mine was examined in the company of Mr. Milton Burleson April 10, 1956. Mr. V. J. Lynch of the U. S. Bureau of Mines, DMEA Field Team, Region V, accompanied the examiners.

No surface facilities exist at the mine. Access is by jeep road about 1/4 mile from a graveled county road.

Geology

The mine consists of a series of workings into, and at the foot of, a vertical cliff in highly weathered material. It is on the southwestern slope of a hill on the eastern side of the Little Tennessee River. A generally flat, bulldozed area extends from the N 70° W trending cliff for 70-80 ft to the river and is 10 - 11 feet above the water. A trench, 5 ft in elevation higher than the river, extends southward from a pit at the western end of the works, to the river edge.

Two conformable pegmatites apparently converge, or turn sharply at the western end of the cliff. One pegmatite pinches out over a strike length of about 40 ft in a N 15° W direction. It dips conformably in biotite gneiss about 40°TO 65° NE, and narrows from a zoned, 10 ft wide dike on the southern end to 2 1/2 ft at about 25 ft, then narrows considerably at the northern end. The outcrop at the cliff face, at ground level, is 10 ft in width, and 10 ft in height. Two quartz masses, one 4 ft thick, and the other 16 inches thick are separated by a 4 ft thickness of fine grained, weathered feldspar.

The other pegmatite strikes parallel to the N 70° W trending cliff, and is exposed in three pits at the base. It is 3 ft wide, conformable to the country rock, and dips SW at about a 25 - 35° angle. The dip projection in a horizontal distance of 80 ft from the river places the pegmatite, if it persists down-dip, about 25-30 ft below the surface of the river.

Muscovite is ruby, generally of scrap size and quality, and mostly flat A, with some ruling. Although some pieces were noted to be 4" to 5" in width, clear and unstained, the majority was scrap.

Conclusions

Any work done on the pegmatite which dips toward the river would be endangered because of the proximity of the river. No work can be done into the hill because the pegmatite apparently pinches out in that direction.

It is recommended that no exploration be undertaken and that the application be denied.

Examined : April 10, 1956

A. R. Taylor, Geologists
U. S. G. S.

L. E. Shirley, Mining Engineer
U. S. B. M.

Docket Copy
Surname:
Anderson
Houk
Selfridge
Johnson

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

APR 10 1956

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

Re: Docket No. DMEA-4230 - Mica
J and B Mining Company
Burleson River Mine
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 April 2 and 3, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

We note that you have requested the applicant to furnish a Consent to Lien. We have requested the applicant to furnish a more adequate land description and clarify the name of the property. The name given on the application form is different from two that are described in the lease.

Sincerely yours,

George C. Selfridge

Approved:

Chairman, Operating Committee (SHG)

J. W. Pennington (SHG)
Member, Bureau of Mines

N. E. Nelson (SHG)
Member, Geological Survey

Enclosures 4

WCAnderson:gad 4/9/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

R.C.S.

DOCKET COPY
Surname:
Anderson
Houk

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

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

Re: Docket No. DMEA-4230-Mica
J and B Mining Company
Burleson River Mine
Macon County, North Carolina

Dear Mr. Laurence:

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We note that you have requested the applicant to furnish a Consent to Lien. We have requested the applicant to furnish a more adequate land description and clarify the name of the property. The name given on the application form is different from two that are described in the lease. We advised the applicant that the examining engineers would give any assistance needed when they visit the property.

Sincerely yours,

Chairman, Operating Committee

Approved:

Member, Bureau of Mines

Member, Geological Survey

Enclosures: 4

WCAnderson:ms 4/6/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 52222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson
Admr. R. File

Docket Copy
Surname:
Anderson
Houk
Yelkon
Penn
Selfridge
Jefferson

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

J and B Mining Company
P. O. Box 126
Spruce Pine, North Carolina

APR 10 1956

Re: Docket No. DMEA-4230 - Mica
J and B Mining Company
Burleson River Mine
Macon County, North Carolina

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division 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.

We note that on your application form MF-103, the property under consideration is called the Burleson River Mine. However, the lease describes two tracts of land, one called the George Angel Mine consisting of 15 acres and the other called the Old Dr. Lucas Mine consisting of 4 acres. The land description is not adequate. We must have a complete legal description that gives the lengths and bearings of all the lines that enclose the property, and the proposed workings must be tied to the nearest property line.

Please clarify concerning the name of the property and submit the requested land description. A map of the property, drawn to scale, showing the boundaries and location of the proposed workings would be helpful.

Sincerely yours,

Administrator

LGHouk:CAnderson:gad 4/9/56
Copy to: Docket
Operating Committee
Admr. R. File
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Anderson

R.G.G

DOCKET COPY
Surname:
Anderson
Houk

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

J and B Mining Company
P. O. Box 126
Spruce Pine, North Carolina

Re: Docket No. DMEA-4230-Mica
J and B Mining Company
Burleson River Mine
Macon County, North Carolina

Gentlemen:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division 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.

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Please clarify concerning the name of the property and submit the requested land description. A map of the property, drawn to scale, showing the boundaries and location of the proposed workings would be helpful. ~~Any assistance you need will be gladly given by the Examining Engineers when they visit your property.~~

Sincerely yours,

Administrator

Mr. Houk
Mr. Anderson
Admr. R. File

WCAnderson:ms 4/6/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Killsgaard, 5222
Mr. Dietrich, 3061

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

April 3, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-A4230 (mica)

Applicant: J. & B. Mining Co., (M. E. Burleson)

Name and Location of Property: Burleson River Mine, Macon Co., N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 3/30/56

Comments:

1. No data available in this office on subject mine.

2. Proposed exploration is not explicit and the estimate of expenditures should be made on a unit-cost basis.

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

RECEIVED
APR 3 - 1956

IN REPLY REFER TO:

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

RECEIVED
APR 3 - 1956

April 2, 1956

Re: DMEA 4230
J & B Mining Co.
Burleson River Mine
Macon County, N. C.
$5,925.00 - 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 exploring by shaft sinking and drifting a mine that has been worked by numerous operators and is reported to have produced a substantial amount of mica.

The work proposed is:

Bulldozing	$800.00
Shaft 30 ft.	1,500.00
Drift 100 ft.	3,500.00
Buildings, tools and magazines	125.00
	$5,925.00

Referral to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

March 30, 1956
Subject: DMEA-4230
Re: Exploration Assistance
Burleson River Mine

J & B Mining Company
P.O. Box 126
Spruce Pine, North Carolina

Gentlemen:

The receipt of your application dated March 17, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4230 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

March 30, 1956

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 - 4230 J & B Mining Company

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 25 CE. BLDG.
WASHINGTON 25, D.C.
KNOXVILLE 2, TENN.
March 28, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Application from J & B Mining Co., Burleson River Mine - Mica
Macon County, N. C.

Enclosed are three copies of the subject application, with one copy of the lease, and three copies of our letter to the applicant. We are keeping the fourth copy of the application for our use.

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

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

RECEIVED
MAR 30 1956

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

March 28, 1956

Mr. Milton E. Burleson
J & B Mining Co.
P.O. Box 126
Spruce Pine, North Carolina

Dear Mr. Burleson:

Your application for aid in exploration for strategic mica at the Burleson River Mine in Macon County, North Carolina has been forwarded to our Washington office in accordance with established procedure.

You submitted only three copies of form MF-103. If you have the fourth copy, please send it to me so that it may be attached to the rest of the application.

Form MF-201 (Subordination Agreement) is not applicable, and therefore, I an returning the signed copies to you. Please have J. B. Burleson and Blanch Burleson signed the enclosed copies of MF-203 (Consent to Lien) and return six copies to me. The seventh copy should be retained by Mr. and Mrs. Burleson. Please indicate their mailing address on one of the copies.

Very truly yours,

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

RAL/sm
cc:
Opr. Gen.-3
Lynch
Files

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED APR 30 1956

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. DMEA-4230
Metal or Mineral Mica
Date Received 3-30-56
Estimated Cost $5,925.00
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: J & B Mining Company
P.O. Box 126
Spruce Pine, North Carolina

Louis M. Johnson
Yatesville, Georgia
M.E. Burleson
Spruce Pine, 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.

RECEIVED
MAR 27 1956

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 Being a parcel of land described in MF-203 out of a Deed to John D. Burleson and wife, Blance Burleson, recorded in Register of Deed Office in Macon County, North Carolina

(*b*) State any mine name by which the property is known. Burleson River 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. enclosed

(*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. none

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. See exhibit "A"

(*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. One mile from Town of Franklin, N.C.

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

16—66551-1

Manpower fair, materials & Supplies fair, water on ppoperty, also electricity, Equipment 140 Miles away in Atlanta, Ga. or Spruce Pine, N.C.

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

(*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 ..... days and be completed within ..... 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 ....., 195...

Jo B Mining Co.
(Applicant)

By M E Burleson

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

Exhibit "A"

4. a. This mine has been worked by numerious operators for the passed years and is reported that a substancial amount of Mica has been removed.

b. The mica is of a Ruby Type, and has been worked down to a deph where the ground was soft, but no machinery of any great extent was used.

c. The country rock is of typical gneissos, where mica is found throu hout the district. The mine has a massive quartz, which are very prominent.

Estimate of Cost

5. - B We propose to do around $ 800.00 of Bulldozing

30 Feet of Shaft------1500.00

100 Feet of Drift-----3500.00

Storage Bldgs-------- 125.00
Total----- 5925.00

d. The applicant has been mining in macon County and Yancey county for the passed 20 years, or associated with same, and is now engaged in other operation where mica is being extracted, and prepared for market.

An experience Miner familiar with mining of mica and a good background will supervise the operation

MF-201
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

SUBORDINATION AGREEMENT

To the United States of America:

Referring to that certain land in the County of Macon, State of North Carolina, described as follows:1/

Beginning at a sycamore on the North bank of the Tennessee River at the mouth of Bill Jack Branch, runs up the river to an oak at the lower edge of John Burleson's field; then in a Northeast direction to a white oak, Paul Angel's and Car McCall's corner; then down the Bill Jack Branch to the Beginning, said tract comprising about fifteen acres., being the same land deeded to John D. Burleson and wife Blance Burleson, recorded in Register of Deeds Office in 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. Subordinates whatever right, claim, lien or encumbrance the undersigned may have in or against the land to whatever interests, equities, and rights the Government may acquire under the contract (a) with respect to purchased property in or upon the land to the cost of which it has contributed, including the right to dismantle, sever, and remove it from the land; and (b) with respect to a percentage royalty on production from the land and a lien to secure the payment thereof; and

2. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Subordination Agreement; and (b) to give advance notice of this Subordination Agreement to any transferee of the right, claim, lien, or encumbrance hereby subordinated; and

3. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Subordination Agreement shall extend and apply thereto.

1/ 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 _____ 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.

(OVER)

Dated this _____ day of _____, 195__.

_____ [Seal]

_____ [Seal]

_____ [Seal]

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]

P.O. Box 126
Spruce Pine, North Carolina
March 17, 1956

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team Region V
Knoxville, Tennessee

Dear Mr. Laurence:

We are enclosing an application for aid in exploring for strategic mica in Macon County, North Carolina.

Enclosed is the following:

4 copies of MF 103

4 copies of MF 203

Exhibit "A"

Lease Agreement.

Yours very truly,

Milton E. Burleson

NORTH CAROLINA
MACON COUNTY

THIS LEASE AGREEMENT, Made and entered into this 30th day of June, 1955, by and between JOHN D. BURLESON and wife, BLANCHE BURLESON, of Macon County, North Carolina, parties of the first part, hereinafter designated as lessors, and LOUIS M. JOHNSON, of Yatesville, Georgia, and M. E. BURLESON, of Spruce Pine, North Carolina, hereinafter designated as lessees, parties of the second part,

WITNESSETH:

That the said parties of the first part do hereby lease unto the parties of the second part, their heirs and assigns, the mica and mica mining privileges upon certain tracts or parcels of land in Franklin Township, Macon County, North Carolina, more particularly described as follows:

FIRST TRACT: BEGINNING at a sycamore on the North bank of the Tennessee River at the mouth of Bill Jack Branch, runs up the river to an oak at the lower edge of John Burleson's field; then in a Northeast direction to a white oak, Paul Angel's and Carl McCall's corner; then down the Bill Jack Branch to the BEGINNING, said tract comprising about fifteen (15) acres. The above boundary comprises the George Angel mine and the lands surrounding it.

SECOND TRACT: A tract of land consisting of approximately four (4) acres lying to the South of the branch upon which Walt Scruggs formerly lived, which land was acquired by me from Herbert Angel and known as the old Dr. Lucas mine. The land hereby leased is all the land which lies within two hundred (200) feet of the mouth of the Dr. Lucas mine in all directions, excepting therefrom all the land which lies within fifty (50) feet of the tenant house situated near the mine, together with such rights of ingress and regress as may be necessary for the operation of said mine.

This lease shall be subject to the following terms and conditions:

1. Lessees agree to pay lessors a royalty of twelve and one-half per cent (12½%) of the gross selling price of all mica recovered from said property, and all royalty payments shall be due and payable within ten (10) days from date of sale.

2. Lessees shall keep a record of all sales which shall be open for inspection of lessors at all times.

3. The duration of this lease shall be five (5) years from the date hereof.

4. As a part of this lease, lessors give the lessees the necessary right of way to build such trails or roads upon said property as may be necessary for the installation of machinery and the proper operation of mines.

5. It is understood and agreed between the parties hereto that lessees will begin mining operations within sixty (60) days from the date hereof, and continue such operations for as long as the same may be profitable. If at any time lessees shall discontinue operations for as long as thirty (30) consecutive days, the lessors, at their option, may declare this lease to be terminated and of no further force and effect.

6. This lease shall not be transferable, except with the written consent of parties of the first part, but this shall not interfere with the rights of lessees to execute such agreements as may be necessary to procure a loan from the United States Government, or proper department thereof, for the purpose of operating said mine.

TO HAVE AND TO HOLD said mica and mica mining privileges hereunto set forth according to the terms hereof, unto the said Louis M. Johnson and M. E. Burleson, their heirs and assigns, to their own use and behoof.

IN TESTIMONY WHEREOF, the said JOHN D. BURLESON and wife, BLANCHE BURLESON, lessors, and LOUIS M. JOHNSON and M. E. BURLESON, lessees, have hereunto set their hands and affixed their seals the day and year first above written.

J B Burleson (SEAL)

Blanche H Burleson (SEAL)

_____ (SEAL)

_____ (SEAL)

NORTH CAROLINA
MACON COUNTY

I, Meda Angel, a Notary Public in and for the aforesaid county and state, do hereby certify that personally appeared before me this day JOHN D. BURLESON and wife, BLANCHE BURLESON, who acknowledged the due execution of the foregoing instrument for the purposes therein expressed.

WITNESS my hand and notarial seal this 15 day of July, 1955.

Meda Angel
Notary Public, Macon County, N. C.

My Commission Expires:

Oct. 5, 1956.

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NORTH CAROLINA
MITCHELL COUNTY

I, Dudie H. English, a Notary Public in and for the aforesaid county and state, do hereby certify that personally appeared before me this day M. E. BURLESON, who acknowledged the due execution of the foregoing instrument for the purposes therein expressed.

WITNESS my hand and notarial seal, this 15 day of July, 1955.

Dudie H. English
Notary Public, Mitchell County, N. C.

My Commission Expires:

1-28-57

NORTH CAROLINA, Macon County.

The foregoing certificate of Meda Angel, N. P. of Macon Co. State of N. C. and Dudie H. English Notary Public of Mitchell County, State of N. C. attested by ~~his/her~~ their notarial seal, is/are adjudged to be correct.

Let the instrument, with the certificates, be registered.

Witness my hand and official seal, this 19 day of March, 19 56

Kate M. Erwin
CLERK SUPERIOR COURT.

STATE OF GEORGIA

COUNTY OF_____

I,_____, a Notary Public in and for the aforesaid county and state, do hereby certify that personally appeared before me this day LOUIS M. JOHNSON, who acknowledged the due execution of the foregoing instrument for the purposes therein expressed.

WITNESS my hand and notarial seal, this _____ day of July, 1955.

_____
Notary Public

My Commission Expires:

_____

Burleson

Filed for registration on the 19 day of March 1956, at 5:00 o'clock P.M., and registered and verified in the office of the Register of Deeds for Macon County in Book No. H-6, Page 492

This 20 day of March 1956

Lake V. Shope
Register of Deeds for Macon County

Due C.S.C.P.
Register Fee