DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2241

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip

To:	NON-METALLICS	Date	11-21-51
To:	Hook	Date	12/4/51
To:	Kupfer U.S.G.S.	Date	12/4/51
To:	Detrick BM	Date	12/19/51
To:	M & F	Date	12/29/51
To:		Date	
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FILE COPY
SURNAME:

Mat

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

January 31, 1952

Mr. Earl J. Lombard
524 Wyatt Building
Washington 5, D. C.

Subject: Docket No. DMEA-2241 - Mica
Mitchell Creek Mica Mine
Upson County, Georgia

Dear Mr. Lombard:

For your information and guidance, there is enclosed the following forms:

6 - Copies of MF-100
6 - Copies of MF-103
1 - Copy of MO-5
1 - Copy of Questions and Answers on the Mineral Exploration Program

Sincerely yours,

2/1/52

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

Enclosures 14

LGHouk:gad

Copy to: Admin. Reading File
Docket File
Mr. J. J. Norton, Rm. G-228, GSA Bldg.
Mr. Dietrich, Rm. 3526
Mr. Houk

600

FILE COPY
SURNAME:

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

Houk
Norton
Dietrick
Mittendorf
Thayer

DEC 29 1951

J.a.

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Re: Docket No. DMA-2241, Mica
Fletcher Phillips
Mitchell Creek Mica Mine

Gentlemen:

Your application for aid for an exploration project on the Mitchell Creek Mica deposit located in Upson County, Georgia has been reviewed by this office.

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

A very careful study of your proposal revealed that the deposit has been adequately explored in the past and no evidence has been produced to show that additional work is justified.

Under these circumstances, your application for exploration aid to the extent of 90% of $10,990 is denied.

Sincerely yours,

C. O. Mittendorf (for)

Acting Administrator
Defense Minerals Exploration
Administration

LHouk/jem
12-17-51
cc to: Adm. Reading File
Mails & Files Br.
Docket
Messrs. Mittendorf
Dietrick - Rm. 3526
Norton,J.- Rm. G228, G.S.
Houk

12-29
J.D.

IN REPLY REFER TO:

G-MD-DHK

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

Memorandum

December 13, 1951

To: Lawrence Houk, Defense Minerals Exploration Administration

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

Subject: Fletcher O. Phillips' application (DMEA-2241) for aid in exploring the Mitchell Creek Mica Mine for stategic mica.

Mr. Phillips' application, DMEA-2241, proposes to spend $10,990 to explore the Mitchell Creek Mica Mine near Waymansville, 10 miles southeast of Thomaston, Upson County, Georgia for strategic mica. You will probably wish to deny this application because the pegmatite has already been explored with negative results.

The Mitchell Creek Mine was the largest mica-producing mine in the Georgia-Alabama region. During World War II it produced over 19,000 pounds of sheet mica. Many reports, published and unpublished, have been written on this property. The mine was closed down in November, 1944 because the two main producing pegmatite bodies had been mined out. In early 1945 the U. S. Bureau of Mines (R. I. 4239) drilled three diamond drill holes in an unsuccessful attempt to find downward extensions of sheet-mica-rich pegmatite.

Three types of pegmatite occur at the Mitchell Creek Mine, (1) The Axial plane pegmatites, which contain good sheet mica, are vertical and strike north-south. The known pegmatite of this type has been mined out and USBM Drill Hole-1 found no extension at depth. (2) Phacolith-like pegmatites, which contain sheet mica on the footwall, are flat-lying and occur at the crest of folds. The known pegmatite of this type has been mined out and USBM Drill Hole-2 found no similar pegmatites at depth. (3) The smaller, more randomly distributed pegmatites generally parallel the foliation and do not appear to contain sufficient sheet mica for commercial exploitation. Mine workings, diversion ditches, prospect pits, and diamond drill holes have cut many of these minor pegmatites. The applicant's program is designed to explore one of these pegmatites that was seen in the northern diversion ditch. The area of proposed exploration has already been partially explored by the diversion ditch and by USBM Drill Hole-3.

The Mitchell Creek Mine was abandoned because it was mined out. U. S. Bureau of Mines exploration failed to find new extensions. The applicant presents no new data and there is no evident reason why further expenditures on this property are justified. We recommend that you deny this application.

Donald H. Kupfer

Donald H. Kupfer

IN REPLY REFER TO:

G-MD-DHK

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

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The Mitchell Creek Mine was abandoned because it was mined out. US S. Bureau of Mines exploration failed to find new extensions. The applicant presents no new data and there is no evident reason why further expenditures on this property are justified. We recommend that you deny this application.

Donald H. Kupfer

DMEA files

Subject: DMEA-2241
Re: Exploration Loan
Mitchell Creek Mica Mine

Mr. Fletcher O. Phillips, Manager
Mitchell Creek Mica Miners
Spruce Pine, North Carolina

My dear Mr. Phillips:

This will acknowledge receipt of your application dated November 20, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2241 and referred to the Non-Metallics Branch.

Kindly refer to DMEA-2241 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Chief
Reports & Records Unit

7862

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. D.M.E.Q. 2241

Date received 11-21-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
NOV 21 1 55 PM '51

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application November 20, 1951

Estimated cost $10,990

Mineral or metal Strategic Mica

Percentage of Government participation 90%

Location of mine 10 miles SE of Thomaston, Georgia

Date of filing MF-100 ~~Not~~ filed herewith

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

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

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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

*16. History:

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

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Mitchell Creek Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

November 20, 1951
(Date)

Manager
(Title)

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

*Same as footnote on page 1.

16—04067-1 U. S. GOVERNMENT PRINTING OFFICE

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

1. Applicant is a partnership, a joint venture of persons named in answer to question 2.

2. Lewie Aldridge, Fletcher O. Phillips, Ernest Crowder, Samuel L. Phillips, and John Phillips, all of Spruce Pine, North Carolina. For experience and personal history of each partner, see Exhibit A.

3. Not a corporation.

4. For mining and general business experience of persons in this joint venture, see Exhibit A.

5. Lessee--See Exhibit B.

6. Not owner of property.

7. Lease is in good standing, copy is attached as Exhibit B.

   Note: Six copies of landlord's subordination is attached to original copy of this application as Exhibit B.

8. No financial statement. New joint venture.

9. Applicant will contribute 10% in cash.

10. (a) Legal description is attached as Exhibit B.
    (b) Exploration to be conducted within 200 foot radius of location of cross mark as indicated on map of mine at Exhibit C.

11. Mitchell Creek Mica Mine.

12/ Roads are generally good. There is an access road in good condition which was built by the Federal Government during World War II.

    This mine is located 7.25 miles (airline) and 10 miles by road S 65 degrees E of Thomaston. It is one mile northeast of Waynesville on a small branch of Tobler Creek. It is accessible via a woods road north of the Waynesville road.

    This mine is approximately 65 miles south of Atlanta.

13. Strategic sheet mica. No flow operation will be utilized in present contemplation. Ample water if flow operation should be instituted later.

14. None.

15. Mica will be sold at Spruce Pine, North Carolina, nearest mica purchase depot. No milling necessary.

16. Production history is on record with USBM and RFC.

17. Mine is not now in production.

18. Ore reserve not known.

19. The quality of the mica produced from this mine during World War II was exceptionally high. The mineralization was exceptionally rich in mica content, and the mica sheets were of good size. Large blocks or crystals were obtained in such quantity that this mine was very profitable during its last production during World War II.

20. Strategic sheet mica (muscovite).

21. It is proposed to explore on the south side of the new diversion ditch, approximately two hundred feet NE of the abandoned open cut. The loose dump material and overburden (15 to 20 feet deep) will be removed by bulldozer from the area indicated on the map attached as Exhibit C. Once rock or the pegmatite dyke has been contacted, a cut approximately 10 feet wide will be lowered approximately 15 feet on a parallel to the creek and extended along the ditch until the mica bearing ore body is contacted. Once mica bearing gneiss is found, it is proposed to use the 10 foot cut parallel to the creek as a working bench. From this bench, the then exposed pegmatite ore will be blasted down into the open cut to determine the mineralization strike and dip of the mica bearing vein.

The muck material will be removed from the cut, by boom and hoist and placed on top of the existing dump.

Once the mica gneiss has been contacted and the mineralization determined, commercial production will commence by following the mica rich portion or portions of the dyke.

(When the new diversion ditch was dug in 1944, mica bearing pegmatite was cut through. Mr. S. P. Cronheim and his mine superintendent, who were present at the time of the discovery, have expressed their desire to cooperate in this exploration by accompanying the DMA field team to the mine site to point out the point of their sub-surface contact.)

It is anticipated that it will take approximately 12 weeks to complete the project.

22. Possibilities are a matter of record with either USBM or USGS as this mine had an exceptionally good production record during World War II.

No production

23.	(a)	2 muckers at 50	100	1200
		1 truck driver and hoist operator	50	600
		2 Jackhammer operators at 60	120	1440
	(b)	1 Supervisor	75	900
	(c)	None		
	(d)	Bunkhouse		250
		Tool shed & storage		250
	(e)	None		
	(f)	None		
	(g)	1 hoist	75	900
		1 air compressor 105 Cu. Ft.	100	1200
	(h)	Drill Steel & Drill bits	50	600
		Fuel--gas & oil	25	300
		Dynamite	50	600
	(i)	Bulldozer 200 at 12.50		2500
			Total	$10990.00

24. It is anticipated that 12 weeks will be needed to finish the exploration project.

LEWIE M. ALDRIDGE

Lewie M. Aldridge was born at Hughes, Avery County, North Carolina, December 30, 1914. He attended grammar school in Avery County, and was graduated from Crossnore High School in 1934. In 1935 he completed one year of post graduate work in the commercial business school of the Crossnore High School.

During the years 1936 to 1941 he was an automobile salesman for J. L. Baker in Spruce Pine, North Carolina. In 1941 he commenced his mining operations which last through the Colonial Mica purchase period. They were as follows:

1942 - 1946	He was one of two partners in the partnership of W. S. Flint and Lewie Aldridge which mined "Lincoln Rock" on the Avery estate in Avery County, North Carolina.
1942 - 1946	The same partnership of Flint and Aldridge operated Hawkins Mine at Sandy Ridge, in Stokes County, N. C.
1943 -	As an individual, he operated the "Long Cut" Mine on the Bailey Property in Mitchell County.
1944 - 1946	He was one of three partners in the partnership of Lewie Aldridge, Thomas P. Dillinger and W. S. Flint. which operated the "Long Cut" Mine.
1946 - until present	He has mined the Harry Knight Mine at Stoneville, Virginia.

In addition to his mining operations, Mr. Aldridge during the years 1947 to 1948 operated a used car lot in Spruce Pine, North Carolina. In 1949 he became a partner with C. W. Greene, and the partnership of Aldridge and Greene now engaged in the selling of Ford cars and trucks through their dealership and operate a Texaco service station.

* * * * * *

References:

Bill Lee, Cashier,
Northwestern Bank, Spruce Pine, N. C.
E. C. Guy, President,
Avery County Bank, Newland, N. C.
Ray Dent, Manager,
Diamond Mica Company, Spruce Pine, N. C.

JOHN PHILLIPS

John Phillips is thirty-four years old and a native of the Spruce Pine area where he has lived most of his life.

He operated the Bouy Mine in Spruce Pine during the years 1941 to 1943 from which he produced a large quantity of book mica of punch and better grade.

In 1941 at the same time he was operating the Bouy Mine, he became a member of the partnership "Carpenter and Phillips Mica Company." This firm fabricates punch grade mica for the electric and electronic industry.

Mr. Phillips' business acumen is evidenced by his rapid expansion in conservative business interests. He is one of two partners in the partnership of "Phillips and Coulter." This partnership is engaged in the following businesses:

1. The Texas Company Distributorship for Avery, Mitchell and Yancey Counties.
2. Studebaker automobile and truck dealer for Avery, Mitchell and Yancey Counties, North Carolina.
3. Firestone Retail Store
4. Texaco Service Station, Spruce Pine,

* * * * * *

References:

Mr. Robert Guy, Cashier
Avery County Bank, Newland, N. C.
Mr. Baxter Johnson, Owner,
Johnson Electric Co., Spruce Pine, N. C.
Mr. L. L. McMurry, Supervising Engineer,
Feldspar Flotation Co., Spruce Pine, N. C.

FLETCHER O. PHILLIPS

Fletcher O. Phillips is 46 years old, a native of the Spruce Pine area, and has lived in that mining district most of his life.

He has 26 years of mining experience, and at present is mining mica and feldspar on a commercially profitable basis in the Dogwood Flat near Yellow Mountain in the Spruce Pine area. This mine is presently producing one thousand pounds of mica of punch or better quality per week and approximately seventy-five tons of feldspar.

During World War II, Mr. Phillips was one of three partners in the mica fabricating plant of "Carpenter and Phillips Mica Company" which employed from 90 to 180 persons. One of his duties was to purchase mica for fabricating. That experience has thoroughly schooled Mr. Phillips in appraising and grading blocks and sheets of mica.

His two years mining education at North Carolina State College is one of his greatest assets in that it helps him to evaluate out croppings and to follow "leads" once mining operations have commenced.

His past employment record is as follows:

Bennidict Coal Co.	St. Charles, Va.	1927 - 1928
Mining School	State College, N. C.	1928 - 1930
Bennidict Coal Co.	St. Charles, Va.	1930 - 1932
Hoot Owl Mine	Spruce Pine, N. C.	1934 - 1936
Mining for self	Spruce Pine, N. C.	1936 - 1941
Carpenter & Phillips Mica Co. (partner)	Spruce Pine, N. C.	1941 - 1945

* * * * * *

References:

Mr. Ernest Poteat, Cashier,
Northwestern Bank, Bakersville, N. C.
Mr. Roy Welds, Manager,
Harris Clay Co., Spruce Pine, N. C.
Mr. J. P. McKinney, Mine Manager,
United Feldspar & Minerals, Spruce Pine, N. C.

ERNEST CROWDER

Ernest Crowder is forty-four years old and has lived all his life in Mitchell County, North Carolina. His first employment was in local mines as a mucker at the age of sixteen.

For the past twenty years he has been a mining supervisor having from five to fifteen men under his supervision including drillers, muckers, drag line operators, and truckers. As a result of his many years of experience, he is thoroughly familiar with the location of and mining of mica and feldspar.

Due to his knowledge of blasting and his penchant for safety preparations in pillowing, timbering and supporting shafts and caves, miners are not afraid to work under him. In fact, his reputation for safety is well known, and the insurance underwriters usually insure "his" mines at low rates.

His past employment record is as follows:

Ewrin Feldspar	"C" Mine	1927 - 1929
Carolina Minerals	"Pink Mine"	1929 - 1936
Tennessee Minerals	"Deerpark"	1936 - 1937

For self and in partnership with others since 1937.

* * * * * *

References:

Mr. Ed. Fortner
Insurance Agent, Spruce Pine, North Carolina
Mr. "Bill" McKinney, General Manager
Spruce Pine Store Co., Spruce Pine, North Carolina
Mr. Carroll Rogers,
Blue Ridge Mining Co., Spruce Pine, North Carolina

MINING LEASE

~~State of North Carolina~~ District of Columbia ~~County~~

This indenture made this 20th day of November, 1951

between Samuel L. Phillips

of Mitchell County and State of North Carolina, as party of the first part, and known as lessor___, and Mitchell Creek Mica Miners

of Mitchell County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the part____ of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor___, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written, to wit:

A part and parcel of lot No. 323, 1st District, Upson County, Georgia, to wit, N 1 degree 15' W 18.90 Chains to SE Corner of 10 Acre Tract, thence S 88 degrees 45' W 9.36 Chains to stob on SW Corner, thence N 1 degree 15' W 10.68 Chains to stob on NW Corner, thence N 88 degrees 45' E 9.36 Chains to stob on NE Corner on original line, thence S 1 degree 15' E 10.68 Chains to close on SE Corner, the mineral interest being held by the lessor by deed dated November 8, 1951, from S.P. Cronheim and recorded in the land records of Upson County, Georgia.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the conditions of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operations during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part____ of the first part, or his or their heirs or assigns, a rental royalty of 10% on mica

on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the part____of the first part or by the continuation of any mining operations then being conducted. The lessor___ reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real eastate described and set forth in this lease for a total purchase price of $No option_____, said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor___. The lessee agrees that during the period of this lease or the continuance of this lease that work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:

/s/ Samuel L. Phillips (Seal)

_____ (Seal)

_____ (Seal)

NORTH CAROLINA, _____ COUNTY:

The execution of the foregoing instrument was this day acknowledged before me by _____ the grantor___ for the purposes therein expressed. Let the same, with this certificate, be registered. This_____day of _____, 1951.

_____

_____

******

NORTH CAROLINA, _____ COUNTY:

I, _____, do certify that _____ _____ and _____, his wife personally appeared before me this day, and acknowledged the execution of the annexed mining lease and the said_____being by me privately examined separate and apart from her said husband, touching her voluntary execution of the same; doth state that she signed the same free and voluntarily, without fear or compulsion of her said husband, or of any other person, and that she doth still voluntarily assent thereto. This _____day of _____, 1951.

_____

_____

******

NORTH CAROLINA,_____ COUNTY:

The foregoing certificate of _____ of _____County is adjudged to be correct and sufficient. Let the instrument, with the certificate be registered.

Witness my hand and official seal, this _____day of _____, 1951.

_____
Clerk Superior Court

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. D. M. E. A. 9241

Date received 11-21-51

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 21 1 55 PM '51

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Name and address of applicant

Date _____

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Mitchell Creek Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

November 21, 1951
(Date)

Manager
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

MF 100

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

1. (a) Sheet mica
   (b) Pegmatite Levies

2. See Exhibit "C" form MF 103 filed November 20, 1951. This prospect is not flooded.

3. (a) 10 miles SE of Thomaston, Georgia
   (b) In Thomaston--Barnesville, Georgia mining district.
   (c) --
   (d) Upson, Georgia

4. Property is not in operation. Operator operates operation as lessee.

5. Not in production for past six years.

6. See Exhibit "A" attached.

7. Matter of record with USBM and USGS.

8. Not applicable.

9. Not applicable.

10. Not now in production.

11. Not applicable.

12. Impossible to determine ore reserve of mica in pegmatite ore body.

13. Road is good and in good repair to this mine.

14. No water need. But creek runs right in front of mine.

15. No electric power usage contemplated.

16. 2 muckers at $50 per week
    1 Truck driver and hoist operator at $50
    2 jackhammer operators at $ 120
    (This is anticipated labor. Not now in production.)

17. No equipment now on site.

18. None.

LEWIE M. ALDRIDGE

Lewie M. Aldridge was born at Hughes, Avery County, North Carolina, December 30, 1914. He attended grammar school in Avery County, and was graduated from Crossnore High School in 1934. In 1935 he completed one year of post graduate work in the commercial business school of the Crossnore High School.

During the years 1936 to 1941 he was an automobile salesman for J. L. Baker in Spruce Pine, North Carolina. In 1941 he commenced his mining operations which last through the Colonial Mica purchase period. They were as follows:

1942 - 1946	He was one of two partners in the partnership of W. S. Flint and Lewie Aldridge which mined "Lincoln Rock" on the Avery estate in Avery County, North Carolina.
1942 - 1946	The same partnership of Flint and Aldridge operated Hawkins Mine at Sandy Ridge, in Stokes County, N. C.
1943 -	As an individual, he operated the "Long Cut" Mine on the Bailey Property in Mitchell County.
1944 - 1946	He was one of three partners in the partnership of Lewie Aldridge, Thomas P. Dillinger and W. S. Flint. which operated the "Long Cut" Mine.
1946 - until present	He has mined the Harry Knight Mine at Stoneville, Virginia.

In addition to his mining operations, Mr. Aldridge during the years 1947 to 1948 operated a used car lot in Spruce Pine, North Carolina. In 1949 he became a partner with C. W. Greene, and the partnership of Aldridge and Greene now engaged in the selling of Ford cars and trucks through their dealership and operate a Texaco service station.

* * * * * *

References:

Bill Lee, Cashier,
Northwestern Bank, Spruce Pine, N. C.
E. C. Guy, President,
Avery County Bank, Newland, N. C.
Ray Dent, Manager,
Diamond Mica Company, Spruce Pine, N. C.

JOHN PHILLIPS

John Phillips is thirty-four years old and a native of the Spruce Pine area where he has lived most of his life.

He operated the Bouy Mine in Spruce Pine during the years 1941 to 1943 from which he produced a large quantity of book mica of punch and better grade.

In 1941 at the same time he was operating the Bouy Mine, he became a member of the partnership "Carpenter and Phillips Mica Company." This firm fabricates punch grade mica for the electric and electronic industry.

Mr. Phillips' business acumen is evidenced by his rapid expansion in conservative business interests. He is one of two partners in the partnership of "Phillips and Coulter." This partnership is engaged in the following businesses:

1. The Texas Company Distributorship for Avery, Mitchell and Yancey Counties.
2. Studebaker automobile and truck dealer for Avery, Mitchell and Yancey Counties, North Carolina.
3. Firestone Retail Store
4. Texaco Service Station, Spruce Pine,

* * * * * *

References:

Mr. Robert Guy, Cashier
Avery County Bank, Newland, N. C.
Mr. Baxter Johnson, Owner,
Johnson Electric Co., Spruce Pine, N. C.
Mr. L. L. McMurry, Supervising Engineer,
Feldspar Flotation Co., Spruce Pine, N. C.

FLETCHER O. PHILLIPS

Fletcher O. Phillips is 46 years old, a native of the Spruce Pine area, and has lived in that mining district most of his life.

He has 26 years of mining experience, and at present is mining mica and feldspar on a commercially profitable basis in the Dogwood Flat near Yellow Mountain in the Spruce Pine area. This mine is presently producing one thousand pounds of mica of punch or better quality per week and approximately seventy-five tons of feldspar.

During World War II, Mr. Phillips was one of three partners in the mica fabricating plant of "Carpenter and Phillips Mica Company" which employed from 90 to 180 persons. One of his duties was to purchase mica for fabricating. That experience has thoroughly schooled Mr. Phillips in appraising and grading blocks and sheets of mica.

His two years mining education at North Carolina State College is one of his greatest assets in that it helps him to evaluate out croppings and to follow "leads" once mining operations have commenced.

His past employment record is as follows:

Bennidict Coal Co.	St. Charles, Va.	1927 - 1928
Mining School	State College, N. C.	1928 - 1930
Bennidict Coal Co.	St. Charles, Va.	1930 - 1932
Hoot Owl Mine	Spruce Pine, N. C.	1934 - 1936
Mining for self	Spruce Pine, N. C.	1936 - 1941
Carpenter & Phillips Mica Co. (partner)	Spruce Pine, N. C.	1941 - 1945

* * * * * *

References:

Mr. Ernest Poteat, Cashier,
Northwestern Bank, Bakersville, N. C.
Mr. Roy Welds, Manager,
Harris Clay Co., Spruce Pine, N. C.
Mr. J. P. McKinney, Mine Manager,
United Feldspar & Minerals, Spruce Pine, N. C.

ERNEST CROWDER

Ernest Crowder is forty-four years old and has lived all his life in Mitchell County, North Carolina. His first employment was in local mines as a mucker at the age of sixteen.

For the past twenty years he has been a mining supervisor having from five to fifteen men under his supervision including drillers, muckers, drag line operators, and truckers. As a result of his many years of experience, he is thoroughly familiar with the location of and mining of mica and feldspar.

Due to his knowledge of blasting and his penchant for safety preparations in pillowing, timbering and supporting shafts and caves, miners are not afraid to work under him. In fact, his reputation for safety is well known, and the insurance underwriters usually insure "his" mines at low rates.

His past employment record is as follows:

Ewrin Feldspar	"C" Mine	1927 - 1929
Carolina Minerals	"Pink Mine"	1929 - 1936
Tennessee Minerals	"Deerpark"	1936 - 1937

For self and in partnership with others since 1937.

* * * * * *

References:

Mr. Ed. Fortner
Insurance Agent, Spruce Pine, North Carolina
Mr. "Bill" McKinney, General Manager
Spruce Pine Store Co., Spruce Pine, North Carolina
Mr. Carroll Rogers,
Blue Ridge Mining Co., Spruce Pine, North Carolina

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. D.M.E.A. 2241

Date received 11-21-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 21 1 55 P '51

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application November 20, 1951

Estimated cost $10,990

Mineral or metal Strategic Mica

Percentage of Government participation 90%

Location of mine 10 miles SE of Thomaston, Georgia

Date of filing MF-100 ~~Not~~ filed herewith

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

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

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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

*16. History:

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

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Mitchell Creek Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

November 20, 1951
(Date)

Manager
(Title)

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

*Same as footnote on page 1.

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

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

1. Applicant is a partnership, a joint venture of persons named in answer to question 2.

2. Lewie Aldridge, Fletcher O. Phillips, Ernest Crowder, Samuel L. Phillips, and John Phillips, all of Spruce Pine, North Carolina. For experience and personal history of each partner, see Exhibit A.

3. Not a corporation.

4. For mining and general business experience of persons in this joint venture, see Exhibit A.

5. Lessee--See Exhibit B.

6. Not owner of property.

7. Lease is in good standing, copy is attached as Exhibit B.

   Note: Six copies of landlord's subordination is attached to original copy of this application as Exhibit B.

8. No financial statement. New joint venture.

9. Applicant will contribute 10% in cash.

10. (a) Legal description is attached as Exhibit B.
    (b) Exploration to be conducted within 200 foot radius of location of cross mark as indicated on map of mine at Exhibit C.

11. Mitchell Creek Mica Mine.

12. Roads are generally good. There is an access road in good condition which was built by the Federal Government during World War II.

    This mine is located 7.25 miles (airline) and 10 miles by road S 65 degrees E of Thomaston. It is one mile northeast of Waynmanville on a small branch of Tobler Creek. It is accessible via a woods road north of the Waynmanville road.

    This mine is approximately 65 miles south of Atlanta.

13. Strategic sheet mica. No flow operation will be utilized in present contemplation. Ample water if flow operation should be instituted later.

14. None.

15. Mica will be sold at Spruce Pine, North Carolina, nearest mica purchase depot. No milling necessary.

16. Production history is on record with USBM and RFC.

17. Mine is not now in production.

18. Ore reserve not known.

19. The quality of the mica produced from this mine during World War II was exceptionally high. The mineralization was exceptionally rich in mica content, and the mica sheets were of good size. Large blocks or crystals were obtained in such quantity that this mine was very profitable during its last production during World War II.

20. Strategic sheet mica (muscovite).

21. It is proposed to explore on the south side of the new diversion ditch, approximately two hundred feet NE of the abandoned open cut. The loose dump material and overburden (15 to 20 feet deep) will be removed by bulldozer from the area indicated on the map attached as Exhibit C. Once rock or the pegmatite dyke has been contacted, a cut approximately 10 feet wide will be lowered approximately 15 feet on a parallel to the creek and extended along the ditch until the mica bearing ore body is contacted. Once mica bearing gneiss is found, it is proposed to use the 10 foot cut parallel to the creek as a working bench. From this bench, the then imposed pegmatite ore will be blasted down into the open cut to determine the mineralization strike and dip of the mica bearing vein.

    The muck material will be removed from the cut, by boom and hoist and placed on top of the existing dump.

    Once the mica gneiss has been contacted and the mineralization determined, commercial production will commence by following the mica rich portion or portions of the dyke.

    (When the new diversion ditch was dug in 1944, mica bearing pegmatite was cut through. Mr. S. P. Cronheim and his mine superintendent, who were present at the time of the discovery, have expressed their desire to cooperate in this exploration by accompanying the DMA field team to the mine site to point out the point of their sub-surface contact.)

    It is anticipated that it will take approximately 12 weeks to complete the project.

22. Possibilities are a matter of record with either USBM or USGS as this mine had an exceptionally good production record during World War II.

23.	(a)	2 muckers at 50	100	1200
		1 truck driver and hoist operator	50	600
		2 Jackhammer operators at 60	120	1440
	(b)	1 Supervisor	75	900
	(c)	None		
	(d)	Bunkhouse		250
		Tool shed & storage		250
	(e)	None		
	(f)	None		
	(g)	1 hoist	75	900
		1 air compressor 105 Cu. Ft.	100	1200
	(h)	Drill Steel & Drill bits	50	600
		Fuel--gas & oil	25	300
		Dynamite	50	600
	(i)	Bulldozer 200 at 12.50		2500
			Total	$10990.00

24. It is anticipated that 12 weeks will be needed to finish the exploration project.

Form MF-100
(May 1951)

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOV 21 1 55 PM 51

NOT TO BE FILLED IN BY APPLICANT

Docket No. D.M.E.A. 2241

Date received 11-21-51

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Name and address of applicant

Date _____

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

MF 100

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

1. (a) Sheet mica
   (b) Pegmatite levies

2. See Exhibit "C" form MF 103 filed November 20, 1951. This prospect is not flooded.

3. (a) 10 miles SE of Thomaston, Georgia
   (b) In Thomaston--Barnesville, Georgia mining district.
   (c) --
   (d) Upson, Georgia

4. Property is not in operation. Operator operates operation as lessee.

5. Not in production for past six years.

6. See Exhibit "A" attached.

7. Matter of record with USBM and USGS.

8. Not applicable.

9. Not applicable.

10. Not now in production.

11. Not applicable.

12. Impossible to determine ore reserve of mica in pegmatite ore body.

13. Road is good and in good repair to this mine.

14. No water need. But creek runs right in front of mine.

15. No electric power usage contemplated.

16. 2 muckers at $50 per week
    1 Truck driver and hoist operator at $50
    2 jackhammer operators at $ 120
    (This is anticipated labor. Not now in production.)

17. No equipment now on site.

18. None.

LEWIE M. ALDRIDGE

Lewie M. Aldridge was born at Hughes, Avery County, North Carolina, December 30, 1914. He attended grammar school in Avery County, and was graduated from Crossnore High School in 1934. In 1935 he completed one year of post graduate work in the commercial business school of the Crossnore High School.

During the years 1936 to 1941 he was an automobile salesman for J. L. Baker in Spruce Pine, North Carolina. In 1941 he commenced his mining operations which last through the Colonial Mica purchase period. They were as follows:

1942 - 1946	He was one of two partners in the partnership of W. S. Flint and Lewie Aldridge which mined "Lincoln Rock" on the Avery estate in Avery County, North Carolina.
1942 - 1946	The same partnership of Flint and Aldridge operated Hawkins Mine at Sandy Ridge, in Stokes County, N. C.
1943 -	As an individual, he operated the "Long Cut" Mine on the Bailey Property in Mitchell County.
1944 - 1946	He was one of three partners in the partnership of Lewie Aldridge, Thomas P. Dillinger and W. S. Flint. which operated the "Long Cut" Mine.
1946 - until present	He has mined the Harry Knight Mine at Stoneville, Virginia.

In addition to his mining operations, Mr. Aldridge during the years 1947 to 1948 operated a used car lot in Spruce Pine, North Carolina. In 1949 he became a partner with C. W. Greene, and the partnership of Aldridge and Greene now engaged in the selling of Ford cars and trucks through their dealership and operate a Texaco service station.

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References:

Bill Lee, Cashier,
Northwestern Bank, Spruce Pine, N. C.
E. C. Guy, President,
Avery County Bank, Newland, N. C.
Ray Dent, Manager,
Diamond Mica Company, Spruce Pine, N. C.

JOHN PHILLIPS

John Phillips is thirty-four years old and a native of the Spruce Pine area where he has lived most of his life.

He operated the Bouy Mine in Spruce Pine during the years 1941 to 1943 from which he produced a large quantity of book mica of punch and better grade.

In 1941 at the same time he was operating the Bouy Mine, he became a member of the partnership "Carpenter and Phillips Mica Company." This firm fabricates punch grade mica for the electric and electronic industry.

Mr. Phillips' business acumen is evidenced by his rapid expansion in conservative business interests. He is one of two partners in the partnership of "Phillips and Coulter." This partnership is engaged in the following businesses:

1. The Texas Company Distributorship for Avery, Mitchell and Yancey Counties.
2. Studebaker automobile and truck dealer for Avery, Mitchell and Yancey Counties, North Carolina.
3. Firestone Retail Store
4. Texaco Service Station, Spruce Pine,

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Johnson Electric Co., Spruce Pine, N. C.
Mr. L. L. McMurry, Supervising Engineer,
Feldspar Flotation Co., Spruce Pine, N. C.

FLETCHER O. PHILLIPS

Fletcher O. Phillips is 46 years old, a native of the Spruce Pine area, and has lived in that mining district most of his life.

He has 26 years of mining experience, and at present is mining mica and feldspar on a commercially profitable basis in the Dogwood Flat near Yellow Mountain in the Spruce Pine area. This mine is presently producing one thousand pounds of mica of punch or better quality per week and approximately seventy-five tons of feldspar.

During World War II, Mr. Phillips was one of three partners in the mica fabricating plant of "Carpenter and Phillips Mica Company" which employed from 90 to 180 persons. One of his duties was to purchase mica for fabricating. That experience has thoroughly schooled Mr. Phillips in appraising and grading blocks and sheets of mica.

His two years mining education at North Carolina State College is one of his greatest assets in that it helps him to evaluate out croppings and to follow "leads" once mining operations have commenced.

His past employment record is as follows:

Bennidict Coal Co.	St. Charles, Va.	1927 - 1928
Mining School	State College, N. C.	1928 - 1930
Bennidict Coal Co.	St. Charles, Va.	1930 - 1932
Hoot Owl Mine	Spruce Pine, N. C.	1934 - 1936
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Harris Clay Co., Spruce Pine, N. C.
Mr. J. P. McKinney, Mine Manager,
United Feldspar & Minerals, Spruce Pine, N. C.

ERNEST CROWDER

Ernest Crowder is forty-four years old and has lived all his life in Mitchell County, North Carolina. His first employment was in local mines as a mucker at the age of sixteen.

For the past twenty years he has been a mining supervisor having from five to fifteen men under his supervision including drillers, muckers, drag line operators, and truckers. As a result of his many years of experience, he is thoroughly familiar with the location of and mining of mica and feldspar.

Due to his knowledge of blasting and his penchant for safety preparations in pillowing, timbering and supporting shafts and caves, miners are not afraid to work under him. In fact, his reputation for safety is well known, and the insurance underwriters usually insure "his" mines at low rates.

His past employment record is as follows:

Ewrin Feldspar	"C" Mine	1927 - 1929
Carolina Minerals	"Pink Mine"	1929 - 1936
Tennessee Minerals	"Deerpark"	1936 - 1937

For self and in partnership with others since 1937.

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Insurance Agent, Spruce Pine, North Carolina
Mr. "Bill" McKinney, General Manager
Spruce Pine Store Co., Spruce Pine, North Carolina
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Blue Ridge Mining Co., Spruce Pine, North Carolina

Orig

B

MINING LEASE

~~State of North Carolina~~ ~~District of Columbia~~ ~~County~~

This indenture made this ~~15th~~ 20th day of November, 1951

between Samuel L. Phillips

of Mitchell County and State of North Carolina, as party of the

first part, and known as lessor___, and Mitchell Creek Mica Miners

of Mitchell County and State of North Carolina, party of the

second part and known as lessee.

WITNESSETH, That the part____ of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor___, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written, to wit:

A part and parcel of lot No. 323, 1st District, Upson County, Georgia, to wit, N. 1 degree 15' W. 18.90 Chains to SE Corner of 10 Acre Tract, thence S 88 degrees 45' W 9.36 Chains to Stob on SW Corner, thence N 1 degree 15' W 10.68 Chains to Stob on NW Corner, thence N 88 degrees 45' E 9.36 Chains to Stob on NE Corner on original line, thence S 1 degree 15' E 10.68 Chains to close on SE Corner, the mineral interest being held by the lessor by deed dated November 8, 1951, from S. P. Cronheim and recorded in the land records of Upson County, Georgia.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the conditions of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operations during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part____ of the first part, or his or their heirs or assigns, a rental royalty of 10% on mica

on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the part____of the first part or by the continuation of any mining operations then being conducted. The lessor___ reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real eastate described and set forth in this lease for a total purchase price of $ No option , said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor___. The lessee agrees that during the period of this lease or the continuance of this lease that work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:

Sam L. Phillips (Seal)

Steve D. Brown
NOTARY PUBLIC, D.C.
MY COMMISSION EXPIRES FEBRUARY 29, 1956

_____ (Seal)

_____ (Seal)

NORTH CAROLINA, _____ COUNTY:

The execution of the foregoing instrument was this day acknowledged before me by _____ the grantor___ for the purposes therein expressed. Let the same, with this certificate, be registered. This _____ day of _____, 1951.

_____

_____

******

NORTH CAROLINA, _____ COUNTY:

I, _____, do certify that _____ _____ and _____, his wife personally appeared before me this day, and acknowledged the execution of the annexed mining lease and the said _____ being by me privately examined separate and apart from her said husband, touching her voluntary execution of the same; doth state that she signed the same free and voluntarily, without fear or compulsion of her said husband, or of any other person, and that she doth still voluntarily assent thereto. This _____ day of _____, 1951.

_____

_____

******

NORTH CAROLINA, _____ COUNTY:

The foregoing certificate of _____ of _____ County is adjudged to be correct and sufficient. Let the instrument, with the certificate be registered.

Witness my hand and official seal, this _____ day of _____, 1951.

_____
Clerk Superior Court

MITCHELL CREEK MICA MINERS

A part and parcel of lot No. 323, 1st District, Upson County, Georgia, to wit, N 1 degree 15' W 18.90 Chains to SE Corner of 10 Acre Tract, thence S 88 degrees 45'W 9.36 Chains to stob on SW Corner, thence N 1 degree 15' W 10.68 Chains to stob on NW Corner, thence N 88 degrees 45' E 9.36 Chains to stob on NE Corner on original line, thence S 1 degree 15" E 10.68 Chains to close on SE Corner, the mineral interest being held by the lessor by deed dated November 8, 1951, from S. P. Cronheim and recorded in the land records of Upson County, Georgia.

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MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner ~~in fee simple~~ of mineral interest of that certain parcel of ground in the county of _____, State of _____, described in a certain Exploration Project Contract dated _____, 195____, between _____, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated Nov 20, 1957, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this _____ day of _____, 195____

Sam L. Phillips

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

MF-202

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Dated this ..... day of ....., 195....

Sam L. Phillips

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

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner of mineral interest ~~in fee simple~~ of that certain parcel of ground in the county of ....., State of ....., described in a certain Exploration Project Contract dated ....., 195...., between .....,

the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated Nov 20, 1957, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this ..... day of ....., 195....

Sam L. Phillips

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

MF-202

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WHEREAS, the undersigned is the owner of mineral interest ~~in fee simple~~ of that certain parcel of ground in the county of ....., State of ....., described in a certain Exploration Project Contract dated ....., 195...., between .....,

the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated .....

Nov 20, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

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NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated _____ Nov 20, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this _____ day of _____, 195____

Sam L. Phillips

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

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195___, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

_____

_____

_____

_____

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of _____, County of _____ described as follows: [3] _____

_____

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_____

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with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: _____

_____

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_____

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within _____ days from the date of this contract shall commence work on a project of exploration for [5] _____; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] _____ from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of _____ percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $_____, which is _____ percent of the agreed estimated total cost of this project, $_____.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Mitchell Creek Mica Miners
(Operator)

By Fletcher O. Phillips

By _____

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

_____

_____

_____

_____

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of _____, County of _____ described as follows: [3] _____

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_____

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with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: _____

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(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within _____ days from the date of this contract shall commence work on a project of exploration for [5] _____; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] _____ from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

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5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

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[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

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Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By _____

Mitchelli Creek Mica Miners
(Operator)

By Fletcher O. Phillips

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195___, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

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hereinafter called the "Operator," as follows:

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15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Mitchell Creek Mica Miners
(Operator)

By Fletcher O. Phillips

By _____

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____
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_____
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hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of _____, County of _____ described as follows: [3] _____
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with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: _____
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(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within _____ days from the date of this contract shall commence work on a project of exploration for [5] _____; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] _____ from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

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Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Mitchell Creek Mica Miners
(Operator)

By Fletcher O. Phillips

By _____

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195___, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

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hereinafter called the "Operator," as follows:

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with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: _____

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(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

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Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Mitchell Creek Mica Miners
(Operator)

By _____

By Fletcher O. Phillips

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____
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Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By _____

Mitchell Creek Mica Miners
(Operator)

By Fletcher O. Phillips

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

Telephone Conversation.

From P Crenshaw

To Hook

Subject Michell Creek Mica Mines. Upton County.

Project 2509 Mica.

① U.S.G.S Feb 5, 1944 Hornach - Mr. Klepper

② Remapped by " " Lempke Aug 1944

③ East Cut

width of pegmatite. 20' wide. - 30'

dip 5-10

N 70 E 20°

no definite wall

Georgia Geological Survey Bulletin

Bull 48 Peyton - Apt 1

2-3 days 15 to 20 feet

Bales Georgia

Kesler

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

DEFENSE MINERALS ADMINISTRATION WASHINGTON D. C. NOV 21 1951 DM ME

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

DO NOT FILL IN THIS BLOCK

Docket No. D.M.E.A. 2241

Date received 11-21-51

Participation

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application November 20, 1951

Estimated cost $10,990

Mineral or metal Strategic Mica

Percentage of Government participation 90%

Location of mine 10 miles SE of Thomaston, Georgia

Date of filing MF-100 ~~Not~~ filed herewith

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

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

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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

*16. History:

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

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Mitchell Creek Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

November 20, 1951
(Date)

Manager
(Title)

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

*Same as footnote on page 1.

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

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

1. Applicant is a partnership, a joint venture of persons named in answer to question 2.

2. Lewie Aldridge, Fletcher O. Phillips, Ernest Crowder, Samuel L. Phillips, and John Phillips, all of Spruce Pine, North Carolina. For experience and personal history of each partner, see Exhibit A.

3. Not a corporation.

4. For mining and general business experience of persons in this joint venture, see Exhibit A.

5. Lessee--See Exhibit B.

6. Not owner of property.

7. Lease is in good standing, copy is attached as Exhibit B.

   Note: Six copies of landlord's subordination is attached to original copy of this application as Exhibit B.

8. No financial statement. New joint venture.

9. Applicant will contribute 10% in cash.

10. (a) Legal description is attached as Exhibit B.
    (b) Exploration to be conducted within 200 foot radius of location of cross mark as indicated on map of mine at Exhibit C.

11. Mitchell Creek Mica Mine.

12/ Roads are generally good. There is an access road in good condition which was built by the Federal Government during World War II.

    This mine is located 7.25 miles (airline) and 10 miles by road S 65 degrees E of Thomaston. It is one mile northeast of Waynmanville on a small branch of Tobler Creek. It is accessible via a woods road north of the Waynmanville road.

    This mine is approximately 65 miles south of Atlanta.

13. Strategic sheet mica. No flow operation will be utilized in present contemplation. Ample water if flow operation should be instituted later.

14. None.

15. Mica will be sold at Spruce Pine, North Carolina, nearest mica purchase depot. No milling necessary.

16. Production history is on record with USBM and RFC.

17. Mine is not now in production.

18. Ore reserve not known.

19. The quality of the mica produced from this mine during World War II was exceptionally high. The mineralization was exceptionally rich in mica content, and the mica sheets were of good size. Large blocks or crystals were obtained in such quantity that this mine was very profitable during its last production during World War II.

20. Strategic sheet mica (muscovite).

21. It is proposed to explore on the south side of the new diversion ditch, approximately two hundred feet NE of the abandoned open cut. The loose dump material and overburden (15 to 20 feet deep) will be removed by bulldozer from the area indicated on the map attached as Exhibit C. Once rock or the pegmatite dyke has been contacted, a cut approximately 10 feet wide will be lowered approximately 15 feet on a parallel to the creek and extended along the ditch until the mica bearing ore body is contacted. Once mica bearing gneiss is found, it is proposed to use the 10 foot cut parallel to the creek as a working bench. From this bench, the then imposed pegmatite ore will be blasted down into the open cut to determine the mineralization strike and dip of the mica bearing vein.

The muck material will be removed from the cut, by boom and hoist and placed on top of the existing dump.

Once the mica gneiss has been contacted and the mineralization determined, commercial production will commence by following the mica rich portion or portions of the dyke.

(When the new diversion ditch was dug in 1944, mica bearing pegmatite was cut through. Mr. S. P. Cromheim and his mine superintendent, who were present at the time of the discovery, have expressed their desire to cooperate in this exploration by accompanying the EMA field team to the mine site to point out the point of their sub-surface contact.)

It is anticipated that it will take approximately 12 weeks to complete the project.

22. Possibilities are a matter of record with either USBM or USGS as this mine had an exceptionally good production record during World War II.

23.	(a)	2 muckers at 50	100	1200
		1 truck driver and hoist operator	50	600
		2 Jackhammer operators at 60	120	1440
	(b)	1 Supervisor	75	900
	(c)	None		
	(d)	Bunkhouse		250
		Tool shed & storage		250
	(e)	None		
	(f)	None		
	(g)	1 hoist	75	900
		1 air compressor 185 Cu. Ft.	100	1200
	(h)	Drill Steel & Drill bits	50	600
		Fuel--gas & oil	25	300
		Dynamite	50	600
	(i)	Bulldozer 200 at 12.50		2500
			Total	$10990.00

24. It is anticipated that 12 weeks will be needed to finish the exploration project.

LEWIE M. ALDRIDGE

Lewie M. Aldridge was born at Hughes, Avery County, North Carolina, December 30, 1914. He attended grammar school in Avery County, and was graduated from Crossnore High School in 1934. In 1935 he completed one year of post graduate work in the commercial business school of the Crossnore High School.

During the years 1936 to 1941 he was an automobile salesman for J. L. Baker in Spruce Pine, North Carolina. In 1941 he commenced his mining operations which last through the Colonial Mica purchase period. They were as follows:

1942 - 1946	He was one of two partners in the partnership of W. S. Flint and Lewie Aldridge which mined "Lincoln Rock" on the Avery estate in Avery County, North Carolina.
1942 - 1946	The same partnership of Flint and Aldridge operated Hawkins Mine at Sandy Ridge, in Stokes County, N. C.
1943 -	As an individual, he operated the "Long Cut" Mine on the Bailey Property in Mitchell County.
1944 - 1946	He was one of three partners in the partnership of Lewie Aldridge, Thomas P. Dillinger and W. S. Flint. which operated the "Long Cut" Mine.
1946 - until present	He has mined the Harry Knight Mine at Stoneville, Virginia.

In addition to his mining operations, Mr. Aldridge during the years 1947 to 1948 operated a used car lot in Spruce Pine, North Carolina. In 1949 he became a partner with C. W. Greene, and the partnership of Aldridge and Greene now engaged in the selling of Ford cars and trucks through their dealership and operate a Texaco service station.

* * * * * *

References:

Bill Lee, Cashier,
Northwestern Bank, Spruce Pine, N. C.
E. C. Guy, President,
Avery County Bank, Newland, N. C.
Ray Dent, Manager,
Diamond Mica Company, Spruce Pine, N. C.

JOHN PHILLIPS

John Phillips is thirty-four years old and a native of the Spruce Pine area where he has lived most of his life.

He operated the Bouy Mine in Spruce Pine during the years 1941 to 1943 from which he produced a large quantity of book mica of punch and better grade.

In 1941 at the same time he was operating the Bouy Mine, he became a member of the partnership "Carpenter and Phillips Mica Company." This firm fabricates punch grade mica for the electric and electronic industry.

Mr. Phillips' business acumen is evidenced by his rapid expansion in conservative business interests. He is one of two partners in the partnership of "Phillips and Coulter." This partnership is engaged in the following businesses:

1. The Texas Company Distributorship for Avery, Mitchell and Yancey Counties.
2. Studebaker automobile and truck dealer for Avery, Mitchell and Yancey Counties, North Carolina.
3. Firestone Retail Store
4. Texaco Service Station, Spruce Pine,

* * * * * *

References:

Mr. Robert Guy, Cashier
Avery County Bank, Newland, N. C.
Mr. Baxter Johnson, Owner,
Johnson Electric Co., Spruce Pine, N. C.
Mr. L. L. McMurry, Supervising Engineer,
Feldspar Flotation Co., Spruce Pine, N. C.

FLETCHER O. PHILLIPS

Fletcher O. Phillips is 46 years old, a native of the Spruce Pine area, and has lived in that mining district most of his life.

He has 26 years of mining experience, and at present is mining mica and feldspar on a commercially profitable basis in the Dogwood Flat near Yellow Mountain in the Spruce Pine area. This mine is presently producing one thousand pounds of mica of punch or better quality per week and approximately seventy-five tons of feldspar.

During World War II, Mr. Phillips was one of three partners in the mica fabricating plant of "Carpenter and Phillips Mica Company" which employed from 90 to 180 persons. One of his duties was to purchase mica for fabricating. That experience has thoroughly schooled Mr. Phillips in appraising and grading blocks and sheets of mica.

His two years mining education at North Carolina State College is one of his greatest assets in that it helps him to evaluate out croppings and to follow "leads" once mining operations have commenced.

His past employment record is as follows:

Bennidict Coal Co.	St. Charles, Va.	1927 - 1928
Mining School	State College, N. C.	1928 - 1930
Bennidict Coal Co.	St. Charles, Va.	1930 - 1932
Hoot Owl Mine	Spruce Pine, N. C.	1934 - 1936
Mining for self	Spruce Pine, N. C.	1936 - 1941
Carpenter & Phillips Mica Co. (partner)	Spruce Pine, N. C.	1941 - 1945

* * * * * *

References:

Mr. Ernest Poteat, Cashier,
Northwestern Bank, Bakersville, N. C.
Mr. Roy Welds, Manager,
Harris Clay Co., Spruce Pine, N. C.
Mr. J. P. McKinney, Mine Manager,
United Feldspar & Minerals, Spruce Pine, N. C.

ERNEST CROWDER

Ernest Crowder is forty-four years old and has lived all his life in Mitchell County, North Carolina. His first employment was in local mines as a mucker at the age of sixteen.

For the past twenty years he has been a mining supervisor having from five to fifteen men under his supervision including drillers, muckers, drag line operators, and truckers. As a result of his many years of experience, he is thoroughly familiar with the location of and mining of mica and feldspar.

Due to his knowledge of blasting and his penchant for safety preparations in pillowing, timbering and supporting shafts and caves, miners are not afraid to work under him. In fact, his reputation for safety is well known, and the insurance underwriters usually insure "his" mines at low rates.

His past employment record is as follows:

Ewrin Feldspar	"C" Mine	1927 - 1929
Carolina Minerals	"Pink Mine"	1929 - 1936
Tennessee Minerals	"Deerpark"	1936 - 1937

For self and in partnership with others since 1937.

* * * * * *

References:

Mr. Ed. Fortner
Insurance Agent, Spruce Pine, North Carolina
Mr. "Bill" McKinney, General Manager
Spruce Pine Store Co., Spruce Pine, North Carolina
Mr. Carroll Rogers,
Blue Ridge Mining Co., Spruce Pine, North Carolina

MINING LEASE

District of Columbia

This indenture made this 20th day of November, 1951

between Samuel L. Phillips

of Mitchell County and State of North Carolina, as party of the first part, and known as lessor___, and Mitchell Creek Mica Miners

of Mitchell County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the part____ of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor___, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written, to wit:

A part and parcel of lot No. 323, 1st District, Upson County, Georgia, to wit, N 1 degree 15' W 18.90 Chains to SE Corner of 10 Acre Tract, thence S 88 degrees 45' W 9.36 Chains to stob on SW Corner, thence N 1 degree 15' W 10.68 Chains to stob on NW Corner, thence N 88 degrees 45' E 9.36 Chains to stob on NE Corner on original line, thence S 1 degree 15' E 10.68 Chains to close on SE Corner, the mineral interest being held by the lessor by deed dated November 8, 1951, from S. P. Cronheim and recorded in the land records of Upson County, Georgia.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the conditions of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operations during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part____ of the first part, or his or their heirs or assigns, a rental royalty of _____10% on mica_____

_____

on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the part____of the first part or by the continuation of any mining operations then being conducted. The lessor___ reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real eastate described and set forth in this lease for a total purchase price of $ No option____, said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor___. The lessee agrees that during the period of this lease or the continuance of this lease that work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:

/s/ Samuel L. Phillips (Seal)

_____

_____(Seal)

_____(Seal)

NORTH CAROLINA, _____ COUNTY:

The execution of the foregoing instrument was this day acknowledged before me by _____ the grantor___ for the purposes therein expressed. Let the same, with this certificate, be registered. This_____day of _____, 1951.

_____

_____

******

NORTH CAROLINA, _____ COUNTY:

I, _____, do certify that _____ _____ and _____, his wife personally appeared before me this day, and acknowledged the execution of the annexed mining lease and the said_____being by me privately examined separate and apart from her said husband, touching her voluntary execution of the same; doth state that she signed the same free and voluntarily, without fear or compulsion of her said husband, or of any other person, and that she doth still voluntarily assent thereto. This _____day of _____, 1951.

_____

_____

******

NORTH CAROLINA,_____ COUNTY:

The foregoing certificate of _____ of _____County is adjudged to be correct and sufficient. Let the instrument, with the certificate be registered.

Witness my hand and official seal, this _____day of _____, 1951.

_____
Clerk Superior Court

Form MF-100
(Mar. 1950)

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

Nov 21 1951

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. D.M.E.A.-2241

Date received 11-21-51

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Name and address of applicant

Date _____

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Mitchell Creek Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

November 21, 1951
(Date)

Manager
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

MF 100

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

1. (a) Sheet mica
   (b) Pegmatite Levies

2. See Exhibit "C" form MF 103 filed November 20, 1951. This prospect is not flooded.

3. (a) 10 miles SE of Thomaston, Georgia
   (b) In Thomaston--Barnesville, Georgia mining district.
   (c) --
   (d) Upson, Georgia

4. Property is not in operation. Operator operates operation as lessee.

5. Not in production for past six years.

6. See Exhibit "A" attached.

7. Matter of record with USBM and USGS.

8. Not applicable.

9. Not applicable.

10. Not now in production.

11. Not applicable.

12. Impossible to determine ore reserve of mica in pegmatite ore body.

13. Road is good and in good repair to this mine.

14. No water need. But creek runs right in front of mine.

15. No electric power usage contemplated.

16. 2 muckers at $50 per week
    1 Truck driver and hoist operator at $50
    2 jackhammer operators at $ 120
    (This is anticipated labor. Not now in production.)

17. No equipment now on site.

18. None.

LEWIE M. ALDRIDGE

Lewie M. Aldridge was born at Hughes, Avery County, North Carolina, December 30, 1914. He attended grammar school in Avery County, and was graduated from Crossnore High School in 1934. In 1935 he completed one year of post graduate work in the commercial business school of the Crossnore High School.

During the years 1936 to 1941 he was an automobile salesman for J. L. Baker in Spruce Pine, North Carolina. In 1941 he commenced his mining operations which last through the Colonial Mica purchase period. They were as follows:

1942 - 1946	He was one of two partners in the partnership of W. S. Flint and Lewie Aldridge which mined "Lincoln Rock" on the Avery estate in Avery County, North Carolina.
1942 - 1946	The same partnership of Flint and Aldridge operated Hawkins Mine at Sandy Ridge, in Stokes County, N. C.
1943 -	As an individual, he operated the "Long Cut" Mine on the Bailey Property in Mitchell County.
1944 - 1946	He was one of three partners in the partnership of Lewie Aldridge, Thomas P. Dillinger and W. S. Flint. which operated the "Long Cut" Mine.
1946 - until present	He has mined the Harry Knight Mine at Stoneville, Virginia.

In addition to his mining operations, Mr. Aldridge during the years 1947 to 1948 operated a used car lot in Spruce Pine, North Carolina. In 1949 he became a partner with C. W. Greene, and the partnership of Aldridge and Greene now engaged in the selling of Ford cars and trucks through their dealership and operate a Texaco service station.

* * * * * *

References:

Bill Lee, Cashier,
Northwestern Bank, Spruce Pine, N. C.
E. C. Guy, President,
Avery County Bank, Newland, N. C.
Ray Dent, Manager,
Diamond Mica Company, Spruce Pine, N. C.

JOHN PHILLIPS

John Phillips is thirty-four years old and a native of the Spruce Pine area where he has lived most of his life.

He operated the Bouy Mine in Spruce Pine during the years 1941 to 1943 from which he produced a large quantity of book mica of punch and better grade.

In 1941 at the same time he was operating the Bouy Mine, he became a member of the partnership "Carpenter and Phillips Mica Company." This firm fabricates punch grade mica for the electric and electronic industry.

Mr. Phillips' business acumen is evidenced by his rapid expansion in conservative business interests. He is one of two partners in the partnership of "Phillips and Coulter." This partnership is engaged in the following businesses:

1. The Texas Company Distributorship for Avery, Mitchell and Yancey Counties.
2. Studebaker automobile and truck dealer for Avery, Mitchell and Yancey Counties, North Carolina.
3. Firestone Retail Store
4. Texaco Service Station, Spruce Pine,

* * * * * *

References:

Mr. Robert Guy, Cashier
Avery County Bank, Newland, N. C.
Mr. Baxter Johnson, Owner,
Johnson Electric Co., Spruce Pine, N. C.
Mr. L. L. McMurry, Supervising Engineer,
Feldspar Flotation Co., Spruce Pine, N. C.

FLETCHER O. PHILLIPS

Fletcher O. Phillips is 46 years old, a native of the Spruce Pine area, and has lived in that mining district most of his life.

He has 26 years of mining experience, and at present is mining mica and feldspar on a commercially profitable basis in the Dogwood Flat near Yellow Mountain in the Spruce Pine area. This mine is presently producing one thousand pounds of mica of punch or better quality per week and approximately seventy-five tons of feldspar.

During World War II, Mr. Phillips was one of three partners in the mica fabricating plant of "Carpenter and Phillips Mica Company" which employed from 90 to 180 persons. One of his duties was to purchase mica for fabricating. That experience has thoroughly schooled Mr. Phillips in appraising and grading blocks and sheets of mica.

His two years mining education at North Carolina State College is one of his greatest assets in that it helps him to evaluate out croppings and to follow "leads" once mining operations have commenced.

His past employment record is as follows:

Bennidict Coal Co.	St. Charles, Va.	1927 - 1928
Mining School	State College, N. C.	1928 - 1930
Bennidict Coal Co.	St. Charles, Va.	1930 - 1932
Hoot Owl Mine	Spruce Pine, N. C.	1934 - 1936
Mining for self	Spruce Pine, N. C.	1936 - 1941
Carpenter & Phillips Mica Co. (partner)	Spruce Pine, N. C.	1941 - 1945

* * * * * *

References:

Mr. Ernest Poteat, Cashier,
Northwestern Bank, Bakersville, N. C.
Mr. Roy Welds, Manager,
Harris Clay Co., Spruce Pine, N. C.
Mr. J. P. McKinney, Mine Manager,
United Feldspar & Minerals, Spruce Pine, N. C.

ERNEST CROWDER

Ernest Crowder is forty-four years old and has lived all his life in Mitchell County, North Carolina. His first employment was in local mines as a mucker at the age of sixteen.

For the past twenty years he has been a mining supervisor having from five to fifteen men under his supervision including drillers, muckers, drag line operators, and truckers. As a result of his many years of experience, he is thoroughly familiar with the location of and mining of mica and feldspar.

Due to his knowledge of blasting and his penchant for safety preparations in pillowing, timbering and supporting shafts and caves, miners are not afraid to work under him. In fact, his reputation for safety is well known, and the insurance underwriters usually insure "his" mines at low rates.

His past employment record is as follows:

Ewrin Feldspar	"C" Mine	1927 - 1929
Carolina Minerals	"Pink Mine"	1929 - 1936
Tennessee Minerals	"Deerpark"	1936 - 1937

For self and in partnership with others since 1937.

* * * * * *

References:

Mr. Ed. Fortner
Insurance Agent, Spruce Pine, North Carolina
Mr. "Bill" McKinney, General Manager
Spruce Pine Store Co., Spruce Pine, North Carolina
Mr. Carroll Rogers,
Blue Ridge Mining Co., Spruce Pine, North Carolina

Form MF-103
(April 1951)

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

NOV 21 1 54 PM '51

DO NOT FILL IN THIS BLOCK

Docket No. D.M.E.C. 2241

Date received 11-21-51

Participation

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application November 20, 1951

Estimated cost $10,990

Mineral or metal Strategic Mica

Percentage of Government participation 90%

Location of mine 10 miles SE of Thomaston, Georgia

Date of filing MF-100 ~~Not~~ filed herewith

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

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

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

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

*16. History:

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

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Mitchell Creek Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

November 20, 1951
(Date)

Manager
(Title)

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

*Same as footnote on page 1.

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

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

1. Applicant is a partnership, a joint venture of persons named in answer to question 2.

2. Lewie Aldridge, Fletcher O. Phillips, Ernest Crowder, Samuel L. Phillips, and John Phillips, all of Spruce Pine, North Carolina. For experience and personal history of each partner, see Exhibit A.

3. Not a corporation.

4. For mining and general business experience of persons in this joint venture, see Exhibit A.

5. Lessee--See Exhibit B.

6. Not owner of property.

7. Lease is in good standing, copy is attached as Exhibit B.

   Note: Six copies of landlord's subordination is attached to original copy of this application as Exhibit B.

8. No financial statement. New joint venture.

9. Applicant will contribute 10% in cash.

10. (a) Legal description is attached as Exhibit B.
    (b) Exploration to be conducted within 200 foot radius of location of cross mark as indicated on map of mine at Exhibit C.

11. Mitchell Creek Mica Mine.

12/ Roads are generally good. There is an access road in good condition which was built by the Federal Government during World War II.

    This mine is located 7.25 miles (airline) and 10 miles by road S 65 degrees E of Thomaston. It is one mile northeast of Waynmanville on a small branch of Tobler Creek. It is accessible via a woods road north of the Waynmanville road.

    This mine is approximately 65 miles south of Atlanta.

13. Strategic sheet mica. No flow operation will be utilized in present contemplation. Ample water if flow operation should be instituted later.

14. None.

15. Mica will be sold at Spruce Pine, North Carolina, nearest mica purchase depot. No milling necessary.

16. Production history is on record with USBM and RFC.

17. Mine is not now in production.

18. Ore reserve not known.

19. The quality of the mica produced from this mine during World War II was exceptionally high. The mineralization was exceptionally rich in mica content, and the mica sheets were of good size. Large blocks or crystals were obtained in such quantity that this mine was very profitable during its last production during World War II.

20. Strategic sheet mica (muscovite).

21. It is proposed to explore on the south side of the new diversion ditch, approximately two hundred feet NE of the abandoned open cut. The loose dump material and overburden (15 to 20 feet deep) will be removed by bulldozer from the area indicated on the map attached as Exhibit C. Once rock or the pegmatite dyke has been contacted, a cut approximately 10 feet wide will be lowered approximately 15 feet on a parallel to the creek and extended along the ditch until the mica bearing ore body is contacted. Once mica bearing gneiss is found, it is proposed to use the 10 feet cut parallel to the creek as a working bench. From this bench, the then imposed pegmatite ore will be blasted down into the open cut to determine the mineralization strike and dip of the mica bearing vein.

The muck material will be removed from the cut, by boom and hoist and placed on top of the existing dump.

Once the mica gneiss has been contacted and the mineralization determined, commercial production will commence by following the mica rich portion or portions of the dyke.

(When the new diversion ditch was dug in 1944, mica bearing pegmatite was cut through. Mr. S. P. Cromheim and his mine superintendent, who were present at the time of the discovery, have expressed their desire to cooperate in this exploration by accompanying the DMA field team to the mine site to point out the point of their sub-surface contact.)

It is anticipated that it will take approximately 12 weeks to complete the project.

22. Possibilities are a matter of record with either USBM or USGS as this mine had an exceptionally good production record during World War II.

23.	(a)	2 muckers at 50	100	1200
		1 truck driver and hoist operator	50	600
		2 Jackhammer operators at 60	120	1440
	(b)	1 Supervisor	75	900
	(c)	None		
	(d)	Bunkhouse		250
		Tool shed & storage		250
	(e)	None		
	(f)	None		
	(g)	1 hoist	75	900
		1 air compressor 185 Cu. Ft.	100	1200
	(h)	Drill Steel & Drill bits	50	600
		Fuel--gas & oil	25	300
		Dynamite	50	600
	(i)	Bulldozer 200 at 12.50		2500
			Total	$10990.00

24. It is anticipated that 12 weeks will be needed to finish the exploration project.

Form MF-100
(May 1951)

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
NOV 21 1 54 PM '51

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. D.M.E.A. 2241

Date received 11-21-51

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

Name and address of applicant

Date _____

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(*a*) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Mitchell Creek Mica Miners
(Name of company)

By Fletcher O. Phillips
(Signature of authorized official)

November 21, 1951
(Date)

Manager
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

MF 100

Mitchell Creek Mica Miners
c/o Fletcher O. Phillips
Spruce Pine, North Carolina

1. (a) Sheet mica
   (b) Pegmatite dsvies

2. See Exhibit "C" form MF 103 filed November 20, 1951. This prospect is not flooded.

3. (a) 10 miles SE of Thomaston, Georgia
   (b) In Thomaston--Barnesville, Georgia mining district.
   (c) --
   (d) Upson, Georgia

4. Property is not in operation. Operator operates operation as lessee.

5. Not in production for past six years.

6. See Exhibit "A" attached.

7. Matter of record with USBM and USGS.

8. Not applicable.

9. Not applicable.

10. Not now in production.

11. Not applicable.

12. Impossible to determine ore reserve of mica in pegmatite ore body.

13. Road is good and in good repair to this mine.

14. No water need. But creek runs right in front of mine.

15. No electric power usage contemplated.

16. 2 muckers at $50 per week
    1 Truck driver and hoist operator at $50
    2 jackhammer operators at $ 120
    (This is anticipated labor. Not now in production.)

17. No equipment now on site.

18. None.

LEWIE M. ALDRIDGE

Lewie M. Aldridge was born at Hughes, Avery County, North Carolina, December 30, 1914. He attended grammar school in Avery County, and was graduated from Crossnore High School in 1934. In 1935 he completed one year of post graduate work in the commercial business school of the Crossnore High School.

During the years 1936 to 1941 he was an automobile salesman for J. L. Baker in Spruce Pine, North Carolina. In 1941 he commenced his mining operations which last through the Colonial Mica purchase period. They were as follows:

1942 - 1946	He was one of two partners in the partnership of W. S. Flint and Lewie Aldridge which mined "Lincoln Rock" on the Avery estate in Avery County, North Carolina.
1942 - 1946	The same partnership of Flint and Aldridge operated Hawkins Mine at Sandy Ridge, in Stokes County, N. C.
1943 -	As an individual, he operated the "Long Cut" Mine on the Bailey Property in Mitchell County.
1944 - 1946	He was one of three partners in the partnership of Lewie Aldridge, Thomas P. Dillinger and W. S. Flint. which operated the "Long Cut" Mine.
1946 - until present	He has mined the Harry Knight Mine at Stoneville, Virginia.

In addition to his mining operations, Mr. Aldridge during the years 1947 to 1948 operated a used car lot in Spruce Pine, North Carolina. In 1949 he became a partner with C. W. Greene, and the partnership of Aldridge and Greene now engaged in the selling of Ford cars and trucks through their dealership and operate a Texaco service station.

* * * * * *

References:

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Northwestern Bank, Spruce Pine, N. C.
E. C. Guy, President,
Avery County Bank, Newland, N. C.
Ray Dent, Manager,
Diamond Mica Company, Spruce Pine, N. C.

JOHN PHILLIPS

John Phillips is thirty-four years old and a native of the Spruce Pine area where he has lived most of his life.

He operated the Bouy Mine in Spruce Pine during the years 1941 to 1943 from which he produced a large quantity of book mica of punch and better grade.

In 1941 at the same time he was operating the Bouy Mine, he became a member of the partnership "Carpenter and Phillips Mica Company." This firm fabricates punch grade mica for the electric and electronic industry.

Mr. Phillips' business acumen is evidenced by his rapid expansion in conservative business interests. He is one of two partners in the partnership of "Phillips and Coulter." This partnership is engaged in the following businesses:

1. The Texas Company Distributorship for Avery, Mitchell and Yancey Counties.
2. Studebaker automobile and truck dealer for Avery, Mitchell and Yancey Counties, North Carolina.
3. Firestone Retail Store
4. Texaco Service Station, Spruce Pine,

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Johnson Electric Co., Spruce Pine, N. C.
Mr. L. L. McMurry, Supervising Engineer,
Feldspar Flotation Co., Spruce Pine, N. C.

FLETCHER O. PHILLIPS

Fletcher O. Phillips is 46 years old, a native of the Spruce Pine area, and has lived in that mining district most of his life.

He has 26 years of mining experience, and at present is mining mica and feldspar on a commercially profitable basis in the Dogwood Flat near Yellow Mountain in the Spruce Pine area. This mine is presently producing one thousand pounds of mica of punch or better quality per week and approximately seventy-five tons of feldspar.

During World War II, Mr. Phillips was one of three partners in the mica fabricating plant of "Carpenter and Phillips Mica Company" which employed from 90 to 180 persons. One of his duties was to purchase mica for fabricating. That experience has thoroughly schooled Mr. Phillips in appraising and grading blocks and sheets of mica.

His two years mining education at North Carolina State College is one of his greatest assets in that it helps him to evaluate out croppings and to follow "leads" once mining operations have commenced.

His past employment record is as follows:

Bennidict Coal Co.	St. Charles, Va.	1927 - 1928
Mining School	State College, N. C.	1928 - 1930
Bennidict Coal Co.	St. Charles, Va.	1930 - 1932
Hoot Owl Mine	Spruce Pine, N. C.	1934 - 1936
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* * * * * *

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Northwestern Bank, Bakersville, N. C.
Mr. Roy Welds, Manager,
Harris Clay Co., Spruce Pine, N. C.
Mr. J. P. McKinney, Mine Manager,
United Feldspar & Minerals, Spruce Pine, N. C.

ERNEST CROWDER

Ernest Crowder is forty-four years old and has lived all his life in Mitchell County, North Carolina. His first employment was in local mines as a mucker at the age of sixteen.

For the past twenty years he has been a mining supervisor having from five to fifteen men under his supervision including drillers, muckers, drag line operators, and truckers. As a result of his many years of experience, he is thoroughly familiar with the location of and mining of mica and feldspar.

Due to his knowledge of blasting and his penchant for safety preparations in pillowing, timbering and supporting shafts and caves, miners are not afraid to work under him. In fact, his reputation for safety is well known, and the insurance underwriters usually insure "his" mines at low rates.

His past employment record is as follows:

Ewrin Feldspar	"C" Mine	1927 - 1929
Carolina Minerals	"Pink Mine"	1929 - 1936
Tennessee Minerals	"Deerpark"	1936 - 1937

For self and in partnership with others since 1937.

* * * * * *

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Mr. Ed. Fortner
Insurance Agent, Spruce Pine, North Carolina
Mr. "Bill" McKinney, General Manager
Spruce Pine Store Co., Spruce Pine, North Carolina
Mr. Carroll Rogers,
Blue Ridge Mining Co., Spruce Pine, North Carolina

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Mr. Carroll Rogers,
Blue Ridge Mining Co., Spruce Pine, North Carolina

MINING LEASE

~~State of North Carolina~~ District of Columbia ~~County~~

This indenture made this 20th day of November, 1951

between Samuel L. Phillips

of Mitchell County and State of North Carolina, as party of the first part, and known as lessor, and Mitchell Creek Mica Miners

of Mitchell County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the part of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written, to wit:

A part and parcel of lot No. 323, 1st District, Upson County, Georgia, to wit N. 1 degree 15' W. 18 .90 Chains to S.E. Corner of 10A Tract, thence S. 88 degrees 45' W. 9.36 Chains to STOB on SW Corner, thence N. 1 degree 15' W. 10.68 Chains to STOB on NW Corner, thence N. 88 degrees 45' E. 9.36 Chains to STOB on NE Corner on original line, thence S. 1 degree 15' E. 10.68 Chains to close on SE Corner, the mineral interest being held by the lessor by deed dated November 8, 1951, from S. P. Cronheim and recorded in the land records of Upson County, Georgia.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the conditions of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operations during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said part____ of the first part, or his or their heirs or assigns, a rental royalty of 10% on mica

on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the part____of the first part or by the continuation of any mining operations then being conducted. The lessor___ reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable to and in the real eastate described and set forth in this lease for a total purchase price of $ No option , said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor___. The lessee agrees that during the period of this lease or the continuance of this lease that work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

WITNESS our hands and seals the day and year first above written.

Witness:

/s/ Samuel L. Phillips (Seal)

_____ _____(Seal)

_____(Seal)

NORTH CAROLINA, _____ COUNTY:

The execution of the foregoing instrument was this day acknowledged before me by _____ the grantor___ for the purposes therein expressed. Let the same, with this certificate, be registered. This _____ day of _____, 1951.

_____

_____

******

NORTH CAROLINA, _____ COUNTY:

I, _____, do certify that _____ _____ and _____, his wife personally appeared before me this day, and acknowledged the execution of the annexed mining lease and the said _____ being by me privately examined separate and apart from her said husband, touching her voluntary execution of the same; doth state that she signed the same free and voluntarily, without fear or compulsion of her said husband, or of any other person, and that she doth still voluntarily assent thereto. This _____ day of _____, 1951.

_____

_____

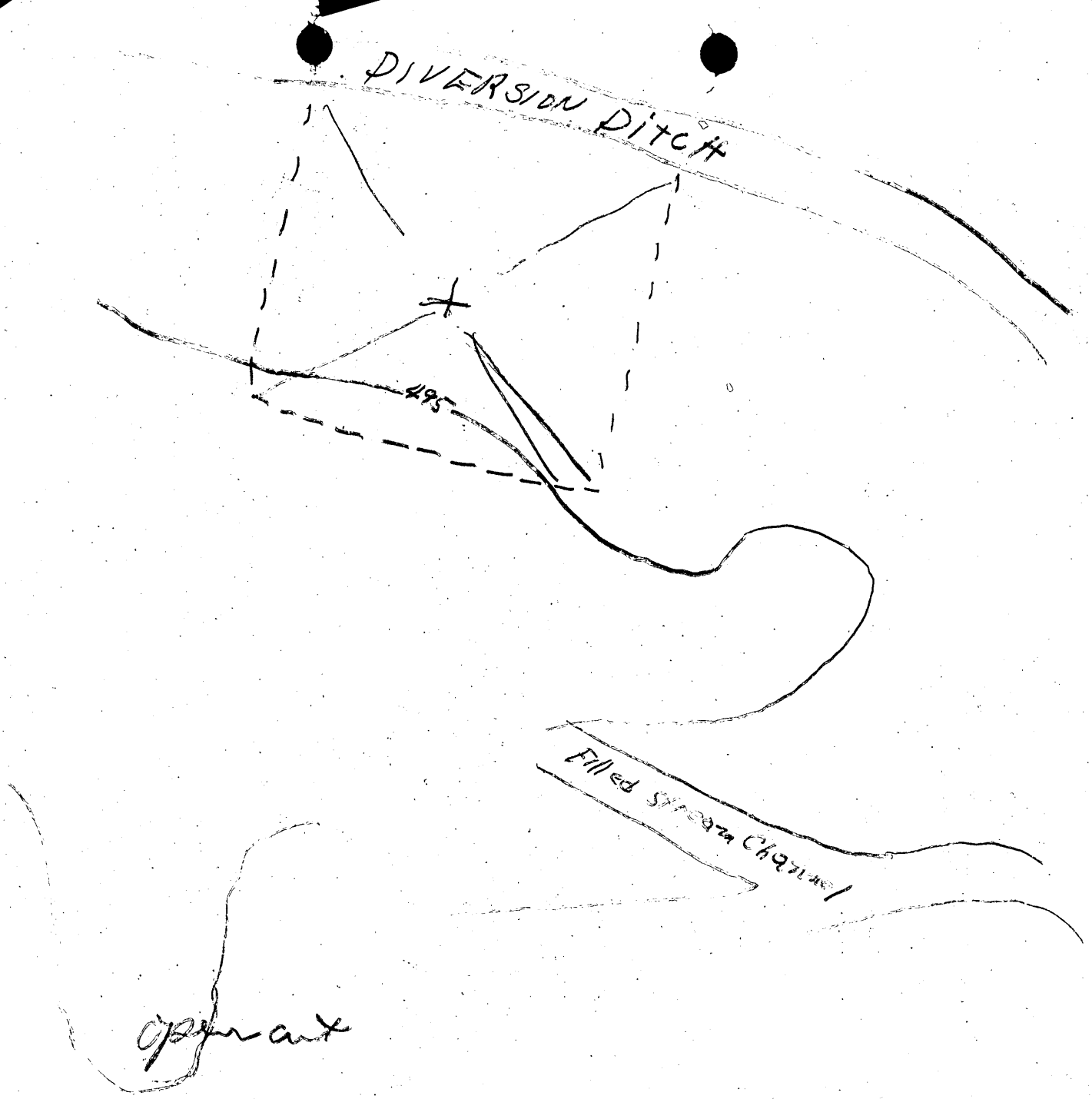
******

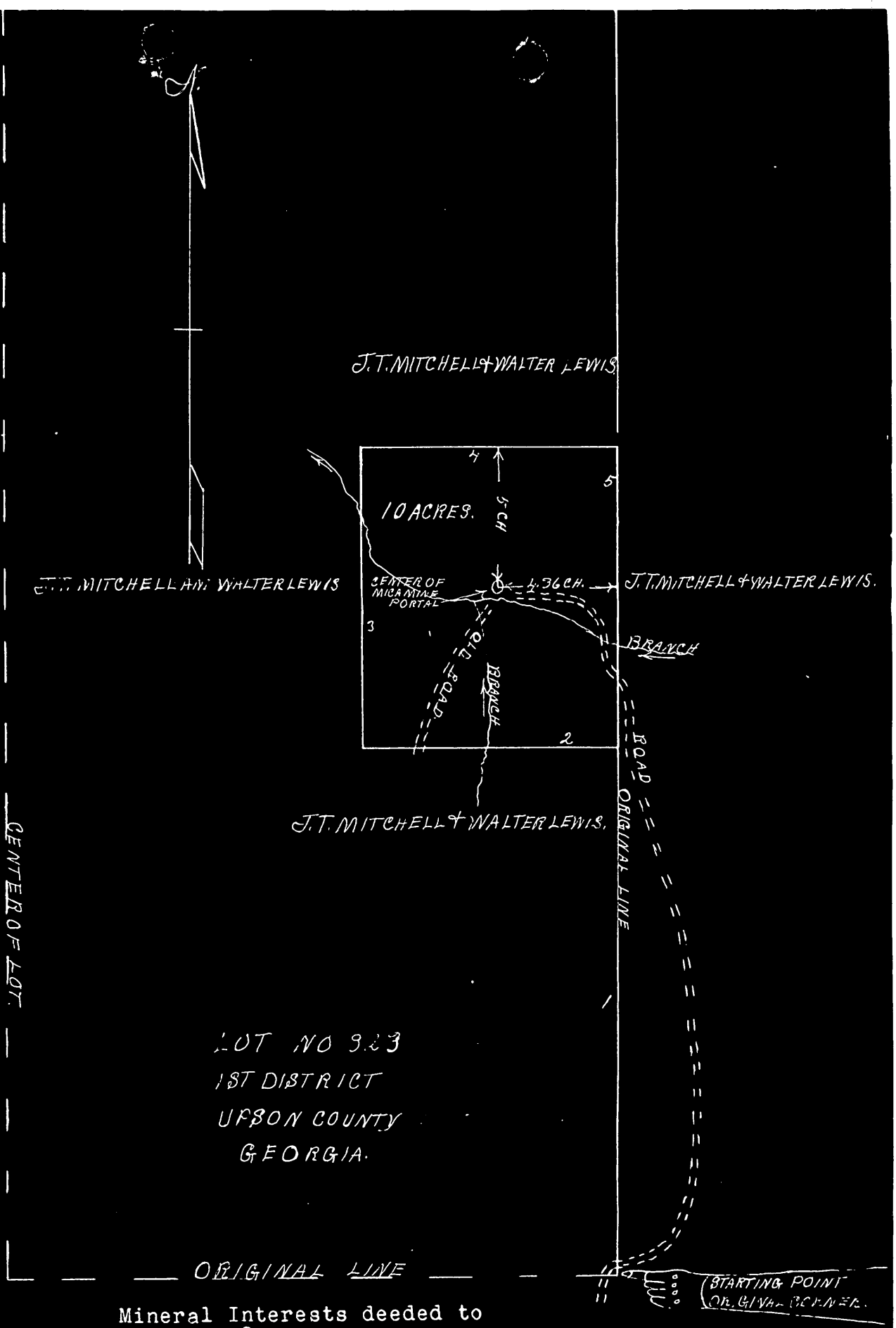
NORTH CAROLINA, _____ COUNTY:

The foregoing certificate of _____ of _____ County is adjudged to be correct and sufficient. Let the instrument, with the certificate be registered.

Witness my hand and official seal, this _____ day of _____, 1951.

_____
Clerk Superior Court


DIVERSION Ditch
495
Filled Stream Channel
open cut



Mineral Interests deeded to
S. P. Cronheim
July 9, 1943

SCALE, ONE INCH = 5 CHAINS.

BEGINNING AT THE S.E. CORNER OF LOT NO. 323 IN THE 1ST LAND DISTRICT IN UPSON COUNTY STATE OF GEORGIA. RUN-

STATION	BEARING	DISTANCE	
1	N. 1° 15' W.	13.90 CH	TO S.E. CORNER OF 10 A. TRACT
2	S. 88 45' W.	9.36 "	TO STOB ON S.W. CORNER
3	N. 1° 15' W.	10.68 "	" " " N.W. "
4	N. 88 45 E.	9.36 "	" " " N.E. " ON ORIGINAL LINE.
5	S. 1° 15 E.	10.68 "	" CLOSE ON S.E. CORNER.

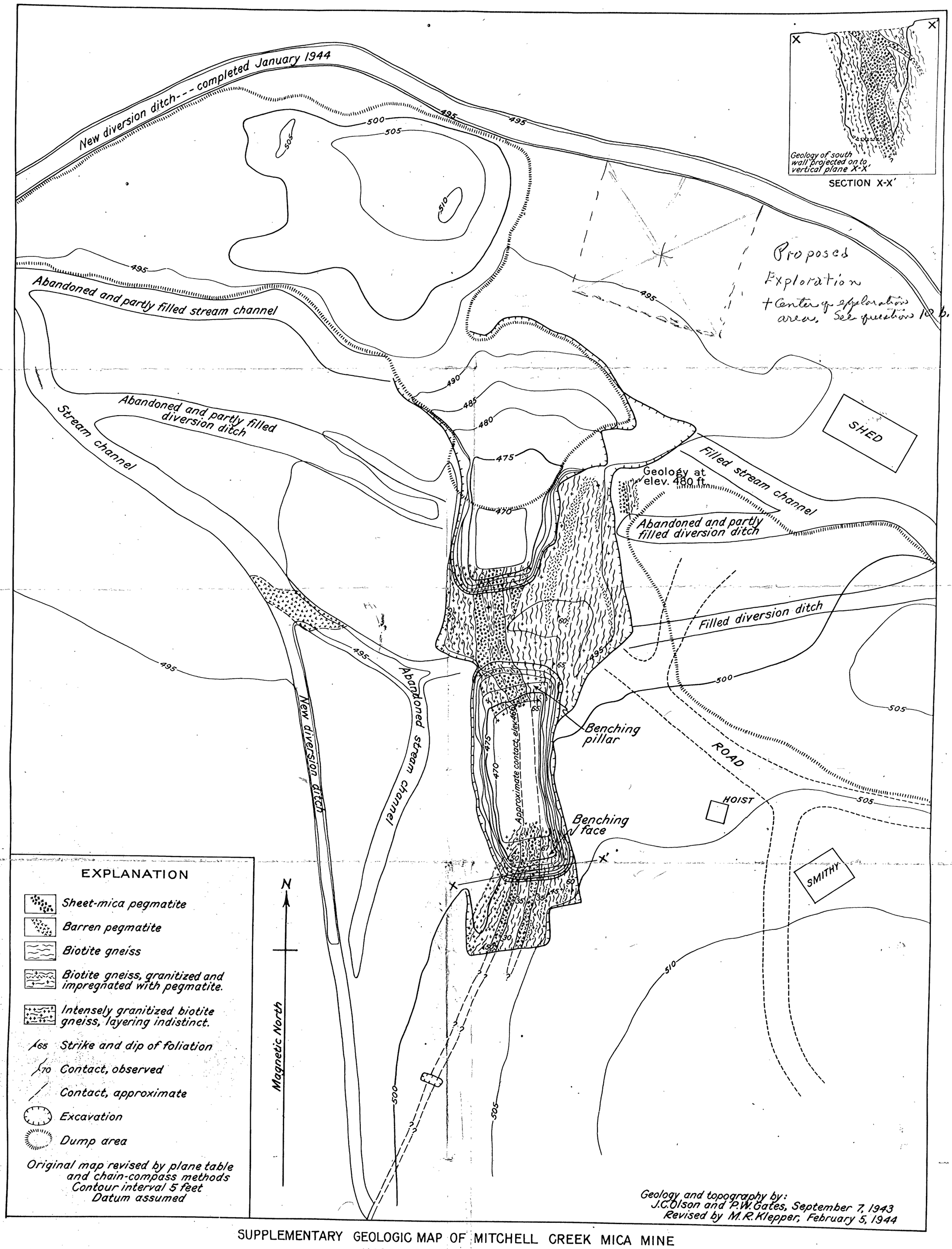
The above plat is an accurate representation of the 10 acre tract surrounding the mica mine on lot no 323 in the 1st land district in Upson County State of Georgia as surveyed by me.
This July 7th 1943

J. Burruss Smith C. E. Supervisor
Registered Professional Surveyor.

N. M. E. A.
2241
Mitchell Creek Mica Mines

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAPS



SUPPLEMENTARY GEOLOGIC MAP OF MITCHELL CREEK MICA MINE
UPSON COUNTY, GEORGIA

10 0 10 20 30 40 50 feet