UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (or cancelled) without certification. DMEA No. 1224

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Report of Review.
✓ NOTICE OF CERTIFICATION BY AGREEMENT
CLOSING LETTER
Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

Owner's Consent to Lien.

✓ Subordination Agreement.

Leases and assignments of leases.

✓ Application and attachments.

Schedule of Collections.

✓ Operator's monthly reports and all attachments (latest on top).

Right Side

✓ Project summary.

✓ Work completed analysis.

All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report. (Tab)

✓ Operator's Final Report.

Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number _____

Operator's Monthly Reports in folder number _____

WB
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Trammell Mining Corporation

717 Barr Building

Washington, D. C.

pertaining to Exploration Project Contract No. Idm-F97, Docket No. DMA-1224, for the month of September, 1952.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with the Government representative who visited and examined the project, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of an audit of the Operator's accounts and records for the following reasons:

(a) the administrative cost to the Government of an audit would be excessive in relation to value of the contract or the estimated amount of possible disallowances thereunder;
(b) the Monthly Reports were partially supported by documentary proof of the costs incurred under the contract; and
(c) major portion ($700) of the costs covered bulldozing at standard rates.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor		$ 999.50
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$ 999.50

The contract calls for a 90 per cent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Eight hundred ninety-nine Dollars and 55/100

- $ 899.55 -

is considered valid and proper.

July 15, 1952

E. D. Talbert

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

Room 13, Post Office Building
Knoxville, Tennessee

February 1, 1952

Trammell Mining Corporation
717 Barr Building
Washington 6, D. C.

Subject: DMA-1224X, Idm E97
Cow Creek Mine

Atten: Judge Charles M. Trammell

Dear Judge Trammell:

We wish to point out that the above designated contract expired on November 3, 1951, and request that you submit a final geologic and engineering report as provided in Article 14 of the contract.

After completion of the work outlined as "sub-project 1" of the contract, I told Mr. Reid in Franklin, N.C. on September 20, 1951, that we approved proceeding with the drilling as outlined under "sub-project 2." We have had no further information on the project, except the Operator's Monthly Progress Report for September, and as no extension of time was requested by Mr. Reid, the contract must be considered as terminated.

Sincerely yours,

Robert A. Laurence, Executive Officer
Defense Minerals Exploration Admin.
Region VII

RAL/xm
cc:
Beck
Lynch
Johnson -Oper. Com.
Peyton

MF-200
(June 1951)

Indexed
No. Card
Card
Reviewed

RECEIVED
AUG 9 1951
G. A. O.

Docket No. DMA 1224X
Commodity Mica
Idm-E 97

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 3rd day of August, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2]
Trammell Mining Corporation
717 Barr Building
Washington 6, D. C.

AUG 16 1951

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 North Carolina, County of Avery described as follows: [3] Known as the Cow Creek Mine (South) located 4 to 6 miles Southwest of Newland, and legally described as follows: See Annex I attached.

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

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

(*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 Thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] Mica; 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] Three (3) months 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, and 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 90 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $3,060.00, which is 90 percent of the agreed estimated total cost of this project, $3,400.00.

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

Trammell Mining Corporation
(Operator)

By Charles M. Trammell
President

By C O Mitchenson
Director, Production Expansion Division
Defense Minerals Administration

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

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of mineral ground in the county of Avery, State of North Carolina, described in a certain Exploration Project Contract dated August 3, 1951, between TRAMMELL MINING CORPORATION, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 18, 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.

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

Dated this 31st day of July, 1951

Charles M. Trammell

Charles M. Trammell

U. S. GOVERNMENT PRINTING OFFICE 940768

ANNEX I

Legal description of property

containing the Cow Creek Mine

"Beginning on a small oak in the Burton Cornett line, and runs thence North-East to a spruce pine on the bank of Cow Camp Creek; thence near East up and with the meanderings of said creek to a chestnut oak; thence South 80 deg. East to a maple; thence near South-East up and crossing Spanish Oak mountain to a double cucumber in the R. M. Burleson line; thence south 50 deg. West to a chestnut; thence near South with the meanderings of the branch to a small birch in the forks of the branch; thence near North-East up and with the branch to a stake in the R. H. Burleson line; thence South 50 deg. West to a sugar maple, the R. M. Burleson old corner; thence South 50 deg. West to a white oak; thence North 50 deg. West 31 poles to a sugar maple; thence West to the beginning, containing 70 acres, more or less.

"Also, on the waters of Toe River, Squirrel Creek and Cow Camp Creek, and on the Spanish Oak Mountain and Haw Mountain, and known as the Wilson Burleson 1614 acre tract; and for a more particular description reference is here made to the deed from Thomas M. Petit and William J. Brown to Wilson Burleson dated the 2nd day of October, 1848, and of record in the office of the Register of Deeds for Mitchell County, N. C., in Deed Book 1-E at pages 142 and 143, and in Watauga County, N. C. in Deed Book "D" at page 86, and containing 1614 acres, more or less.

"COMMENCING on a crooked white oak near the middle ford of Squirrel Creek and running South 45 degrees East 88 poles to a double Cucumber; thence East 48 poles to a Spanish Oak, crossing said creek; thence North 75 degrees East 86 poles to a Mountain Oak; thence North 48 poles to a Chestnut Oak near the gap of the mountain; thence North 70 degrees East 162 poles to a Chestnut on top of the Blue Ridge; thence North 190 poles to a Red Oak near the top of the ridge; thence North 60 degrees west 108 poles to a hickory; thence North 40 degrees West 256 poles to a Chestnut-oak near the branch above the creek; thence North 55 degrees East 100 poles crossing the river to Abram Johnson's white oak corner on the bank of the river; thence South 85 degrees West 180 poles to a beach on a ridge; Abram Johnson's corner; thence South 170 poles past Sizemore's Ash corner and with his line to a white oak, said Sizemore's corner; thence West with said Sizemore's line to a hickory; thence South 35 degrees West 32 poles to a chestnut on top of Haw Mountain; thence South with the top of the mountain 60 poles to a chestnut; thence South 30 degrees East with the ridge 70 poles to a Spanish Oak, Burleson's corner on his four hundred acre survey; thence with his line South 55 degrees West 172 poles to a locust on a ridge; thence South 10 degrees East 80 poles to a Black Gum; thence South 25 degrees West 60 poles, passing the lower ford of Squirrel Creek to a cucumber; thence South 65 degrees East to the BEGINNING, and containing Sixteen Hundred and Fourteen (1614) acres, more or less, less Three Hundred and Fourteen (314) acres deducted by the Abram Johnson survey.

being the said mineral property described in two deeds recorded in Deed book 40, page 633, and Deed Book 46, page 34, as recorded in the office of the Register of Deeds of Avery County, North Carolina, copies of which are attached hereto."

EXHIBIT "A"

Performance of work:

Work will consist of:

Sub-Project 1: At Cow Camp Mine (South) one pegmatite dike is to be explored by tractor-dozer trenching (through the overburden to expose the dike) followed by shallow test pits in the dike exposed by the trenches, and the dike material sampled.

Total length of trenching to be 150 feet, 6 to 12 feet wide, and about 7 feet deep.

Test pits are to be 6 feet in diameter and range from 6 to 15 feet deep.

The trench and test pit location and extent to have the prior approval of the Government field engineers.

This work in Sub-Project 1 to be completed within 45 days from the date of this contract. The cost is not to exceed $1,000.00

Sub-Project 2: If the exploration program in Sub-Project 1 encounters mineralization, that in the opinion of the Government field engineers justifies additional exploration of this pegmatite, then with their approval a part of all of the following work will be done. Four diamond drill holes (size BX or larger averaging about 100 feet long) will be drilled to explore for the continuity in depth, lateral extent and mineral content to a depth of about 100 feet from the surface. The total length of these four drill holes is not to exceed 400 feet or the cost to exceed a total of $2,400.00. The work in Sub-Project 2 is to be completed within 45 days after the completion of Sub-Project 1.

The location extent and direction of all diamond drill holes to have the prior approval of the Government field engineers. All sampling to be supervised by the Government field engineers. The attached map indicates the approximate location of the trenches and diamond drill holes. The diamond drilling to be done by a contractor.

Cost of the Project:

Sub-Project 1:	150' tractor dozer trenching tractor rental 70 hrs. @ $10/hr.	$ 700	
	Hand tools	50	
	Test pits and sampling	250	
	1/ Total cost of Sub-Project 1		$ 1000
Sub-Project 2:	400' contracted diamond drill hole @ $4.50/ft.	$1800	
	Misc. expense, supervision, engineering, core boxes and core handling, transportation, etc.	600	
	1/ Total Cost of Sub-Project 2		$ 2400
	Total Cost of Project		3400

1/ Includes building rental for tools, samples and drill cores @ $10/month.

Fixtures and Improvements:

Does not apply to this contract

Operating Equipment:

To be purchased:

Sub-Project 1: Small hand tools $ 50

To be rented:

Sub-Project 1: 1/ Tractor w/dozer blade @ $10/hr.

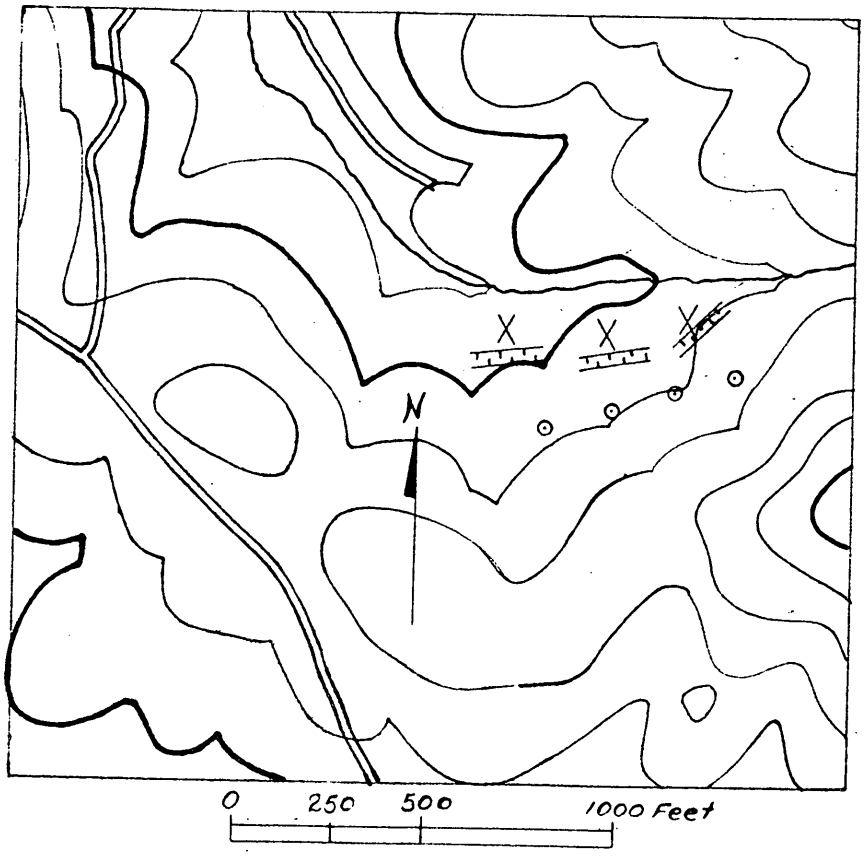
1/ Total costs including supplies, operators' wages and repair cost. Rental rate to be charged will be for actual operating time.

Labor and Supervision:

1 - Engineer-Superintendent @ $20/day part time
1 - Working Foreman @ $16/day
2 - Laborers @ $10/day

Rehabilitation and Repairs:

Does not apply to this contract



Docket 1224X Proposed Prospecting
Cow Camp Mine (South)

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. DMA-1224 X

Date received 5/23/51

Participation

TRAMMELL MINING CORPORATION
717 Barr Building,
Washington 6, D. C.

COW CAMP MINE SOUTH

Name and address of applicant

Date May 22, 1951

FILL IN THIS BLOCK

Date of application May 22, 1951

Estimated cost $32,230.00

Mineral or metal Mica

Percentage of Government participation 90%

Location of mine Approximately 4 miles from Newland, North Carolina

Date of filing MF-100 May 22, 1951

DMA Docket Number, if available DMA-1224X

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.

TRAMMELL MINING CORPORATION
(Name of company)

By Charles M. Trammell
(Signature of authorized official)

May 22, 1951
(Date)

President
(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

FORM MF-103

COW CAMP MINES

23. REQUIREMENTS & COST.

	ITEM	EACH DAILY	60 DAYS
(a)	LABOR: 2 Foremen	$12.00	$ 1,440.00
	4 Miners	12.00	2,880.00
	5 Muckers	8.00	2,400.00
	1 Blacksmith	12.00	720.00
	1 Blk. Helper	10.00	600.00
	1 Truck Driver	10.00	600.00
(b)	Superintendent	25.00	1,500.00
	Bookeeper	15.00	900.00
(d)	Tool House & Blacksmith House		1,500.00
(e)	2 Air Compressors (125 cfm)		6,340.00
	3 Jackhammer drills		1,035.00
	2 Pumps w/lines		1,100.00
	1 Dump Truck		3,000.00
(f)	Bulldozer work to remove overburden ($96.- per day)		5,760.00
(h)	Gas & Oil - $7.00 per day		420.00
	Powder, Fuse, exploders etc. - $15.00 per day		900.00
	Steel & Small Tools		950.00
	Insurance & Taxes		185.00
	TOTAL REQUIREMENTS		$ 32,230.00

24. Project will require three (3) months (60 days) to complete.

Money will be required, and spent, as per following schedule:

IMMEDATELY -	$ 19,900.00
ONE MONTH	6,330.00
TWO MONTHS	6,000.00
	$ 32,230.00

- - - -

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of mineral ground in the county of Avery, State of North Carolina, described in a certain Exploration Project Contract dated May 22, 1951, between TRAMMELL MINING CORPORATION, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 18, 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.

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

Dated this 22nd day of May, 1951.

Charles M. Trammell

Charles M. Trammell

U. S. GOVERNMENT PRINTING OFFICE 940768

Form MF-100
(March 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. Dma-1224X

Date received 5/23/51

TRAMMELL MINING CORPORATION
717 Barr Building,
Washington 6, D. C.

Name and address of applicant

Date May 22, 1951

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) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) 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)
Charles M. Trammell			$75,000.				
A. W. Reid			70,000.				
Mary V. Gibson			10,000.				
F. T. Siersma			70,000.				
(See attached list for further information)							
	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	$10,000.-	$10,000.-	$10.00	1000	0
Preferred stock	$ 0	$	$		

*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 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)	ORE Gross Value Per Ton (c)	PROCESSED Recoverable Unit Value Per ~~Ton~~ LB (d)	Estimated Cost of Production Per ~~Ton~~ LB (e)
Measured (proved)				$3.00 lb	$1.25 lb
Indicated (probable) (10475.)	1300	40%	$250.=	$9.00	$7.00

(*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.

TRUMBELL MINING CORPORATION
(Name of company)

By Charles W. Lillemoen
(Signature of authorized official)

May 22, 1951
(Date)

President
(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

TRAMMELL MINING CORPORATION

Application for Exploration Loan (Form MF-103)

Answer to question 20

The loan is for the exploration of sheet mica of strategic grade.

Answer to question 21

(1) Remove over-burden by bull-dozer to reach vein or veins in the close vicinity of the old operations on the property at what is designated as Cow Camp South and Camp North. Since the two are very near each other, this is considered as a single operation. Previous work indicates that the vein is about 25 to 40 feet below the surface and that the over-burden is soil and clay.

(2) When the vein is reached it is proposed to sink shafts and make cross-cuts or trenches across the vein at intervals of about 20 feet.

(3) It is estimated that the vein is about 300 to 400 feet in length and it is proposed to make cross cuts across at intervals to ascertain the width, depth, and when so ascertained to determine the thickness and angle of the vein.

(4) It is estimated that the vein is approximately 40 to 50 feet in width.

(5) Investigation is being made of a graphysical process known as the "resistivity process" of locating pegmatite dykes, devised and used by Dr. Frederick W. Lee, formerly with the Bureau of Mines and later with the Geological Survey in Geophysical Work. If this method of locating pegmatite dykes and the boundaries thereof is acceptable to the Defense Minerals Administration, it is proposed to employ Dr. Lee for this geophysical work as a part of exploration - then follow through with necessary work as outlined above. It is estimated that this geophysical work could be

completed in less than 10 days at a cost of not to exceed $1000.00. This kind of geophysical work is dependent on the approval of the process by the DMA.

However if the Defense Minerals Administration has any recommendations as to better more accurate and more economic methods, they will be adopted.

The statement of requirements and costs will be revised based on recommendations of DMA.

Question 22 is answered in the form MF 100 ("Technical Data")

The above locations (Cow Camp mines) are referred to in geological reports and maps of the Bureau of Mines, photostat copies of which are attached to form MF-100.

Charles M. Zimmerman
President

On request I have examined and am making a report on a 1600 acre tract of mineral land in Avery County, North Carolina. I have made a map of this tract which I submit along with this report.

Dr. E. B. Ward, Geologist, has gone over this property sometime ago and made a very complete and lengthy report. I have checked his report with my findings, and it is correct, in most every detail. I shall make this report short and to the point so that any ordinary business man can read and understand it.

LOCATION AND GEOLOGY

This tract is located in the western part of Avery County on the head-waters of North Toe River west of Newland. Two of North Carolina's State Highways pass near it and it is well served with secondary roads. The E. T. & W. N. C. narrow gauge railroad cuts one corner of it at Vale, N. C. from which point a branch line could be run up into this tract to serve the mines. The roads are so located that trucks can serve any mine on this land.

The rocks of this section have been mapped by Arthur Keith, N. S., Geologist. Dr. Keith says the native rocks of the section are classes as Carolina gneiss and Rowan gneiss. Gneiss is a modified form of granite.

Some time in the past the hot interior of the earth has pushed up intrusions of melted matter and hot liquids which came to the surface through cracks and cavernous holes they burnt in the native rock. These intrusions are called pegmatite dykes. These cracks and holes were left full of this melted matter. As it cooled it crystalized and formed feldspar, mica and quartz.

Erosion has carried away much of the overflow of these pegmatite dykes, but the stems of these pegmatites are left and in them is where we find mica, feldspar and quartz. Some times acid waters come in contact with feldspar which causes it to break down and form kaolin or china clay.

These pegmatite stems come to the surface in irregular shape; some places they are nearly round, while in other places they will be elongated as if filling a great crack fifty to one hundred feet wide by several hundred feet to three to five miles long. We find feldspar, mica, quartz and kaolin in these pegmatite stems. These stems are very numerous on the

tract referred to, so there is a large supply of the above minerals.

Western North Carolina is one of the richest feldspar, mica, quartz and kaolin fields in the United States, and Avery County is one of the best producers.

USES OF THESE MINERALS

FELDSPAR is a silicate of alumnia and is divided into two general classes. Class one has a potash-soda base, and class two has a soda-lime base. Class one is called orthoclase feldspar and is the kind found most plentifully on this property. Feldspar is used as a flux in the manufacture of pottery, chinaware, porcelain, mosaic and tile, spark plugs, and also in making an unbreakable glass bottle for milk and soft drinks. Much ground feldspar, mixed with mica meal is used in dusting fresh moulded rubber goods.

MICA. Most sheet mica is used in the electrical industry. The sheets are cut into desired patterns and are used as non-conductors in electrical machinery, batteries and other electrical gadgets. Ground mica is used in dusting fresh moulded rubber goods. It is also used in the manufacture of wall paper and fancy rubber roofing. It is used in lubricating oil and in axle grease.

KAOLIN is almost exclusively used in the manufacture of chinaware, porcelain ware and all kinds of white tiling. It has many other uses too numerous to mention.

QUARTZ is used in the manufacture of fused-quartz glass, ferro silicon, white ware and enamel ware; as packing in acid towers and water filters; for refractory purposes; as an abrading agent in sand paper; in soaps and scouring compounds, metal polish and safety matches. Exceptional clear crystals are used in making optical instruments and also are cut as jewels.

ASBESTOS:

In the Northeastern part of this mineral tract there are several prospect openings which show considerable asbestos. If prospected further, they may lead to good asbestos deposits.

ASBESTOS is non-inflammable. It is much used in fireproofing. It is used in furnaces, in fire-proof paints, in asbestos roofing and in electrical and heat insulation.

BERYLLIUM OR BERYL

There are very favorable showings of beryllium on this property. It is a metal one-fourth stronger than steel and lighter than aluminum. Beryl is a gem stone of a green or bluish color.

PRICES:

(These prices are from a report of the U. S. Bureau of Mines.)

FELDSPAR:

Crude or unground feldspar	- $ 5.53 to $8.75	per ton.
Ground potash feldspar	- $17.00	per ton.
Ground soda feldspar	- $19.00	per ton.

MICA:

Sheet mica sizes - 3 in. by 4 in.	- $3.79 per lb.
Sheet mica sizes - 3 in. by 5 in.	- $4.45 per lb.
Sheet mica sizes - 4 in. by 6 in.	- $6.04 per lb.
Sheet mica sizes - 6 in. by 8 in.	- $8.44 per lb.

Mica - Ground - wet $63.96 to $90.81	per ton.
Mica - Ground - dry $22.87	per ton.

KAOLIN:

Chinaware kaolin $8.00 to $9.00	per ton.
Imported china kaolin $22.00 to $25.00	per ton.

QUARTZ:

Crude quartz --	$4.00 per ton.
Ground quartz --	$8.00 per ton.

ASBESTOS:

Crude asbestos - $45.00 to $60.00 per ton.

(These are 1938 prices)

QUANTITY AND QUALITY:

I quote from Dr. E. B. Ward's report on this property:

"Regardless of figures or estimates or tonnage the property in question is one of the most promising I have examined in the Eastern Crystalline Belt, and in my judgment will be a good producer of high grade feldspar, mica and kaolin. I can, therefore, conscientiously recommend this property to any one interested in mining feldspar, mica and kaolin."

I have checked Dr. Ward's report with the minerals I found on this

tract and find it to be very conservative.

The native farmers have made many shallow openings on this property and have mined and sold many tons of feldspar and mica. These diggings are valuable assets as they serve as prospects to show where the minerals are located. There is one place toward the west end of the tract where some fellows put down about 8 shafts, some 10 to 15 feet deep, over an area of about an acre, in a good bed of mica. Their mining methods were crude. The natives say these parties mined and sold from these pits $20,000. worth of mica. Near the middle of the property the prospect pits show a large body of feldspar. It appears that this body is about 250 feet wide and 500 feet long, which ought to produce 250,000 to 500,000 tons of high grade feldspar. As this property is well covered with pegmatite dykes there are very many other places that look just as favorable for the location of good mines.

This property is located on the Blue Ridge Plateau and is composed of low ridges, coves and shallow valleys. Most of the land is cleared and is being farmed by the natives who own the surface.

The soil and other talus has drifted down on the hillsides and covered the stems of these pegmatites with a shallow mantle which will have to be removed. This removal can be done by pick and shovel or with teams and scrapers, but the most economical way would be with a small type or portable steam shovel or with tractor and scraper. Possible some of the mining can be done by driving a drift in the hillside on the level but most of it will be shaft mining.

To equip a shaft mine you will need an air drill, some small steel rails for track, some small cars, a cable, a pump and an engine set near the mouth of the mine to handle the pump and to pull the loaded cars from the mine. The tipple should be set where the ores can be dumped into trucks or railroads cars whichever is used to transport the products from the mine to the mill.

There are grinding and pattern cutting mills at Spruce Pine, N. C., at Plum Tree, N. C., at Micaville, N. C., and at Erwin, Tenn., to whom can be sold the products of these mines.

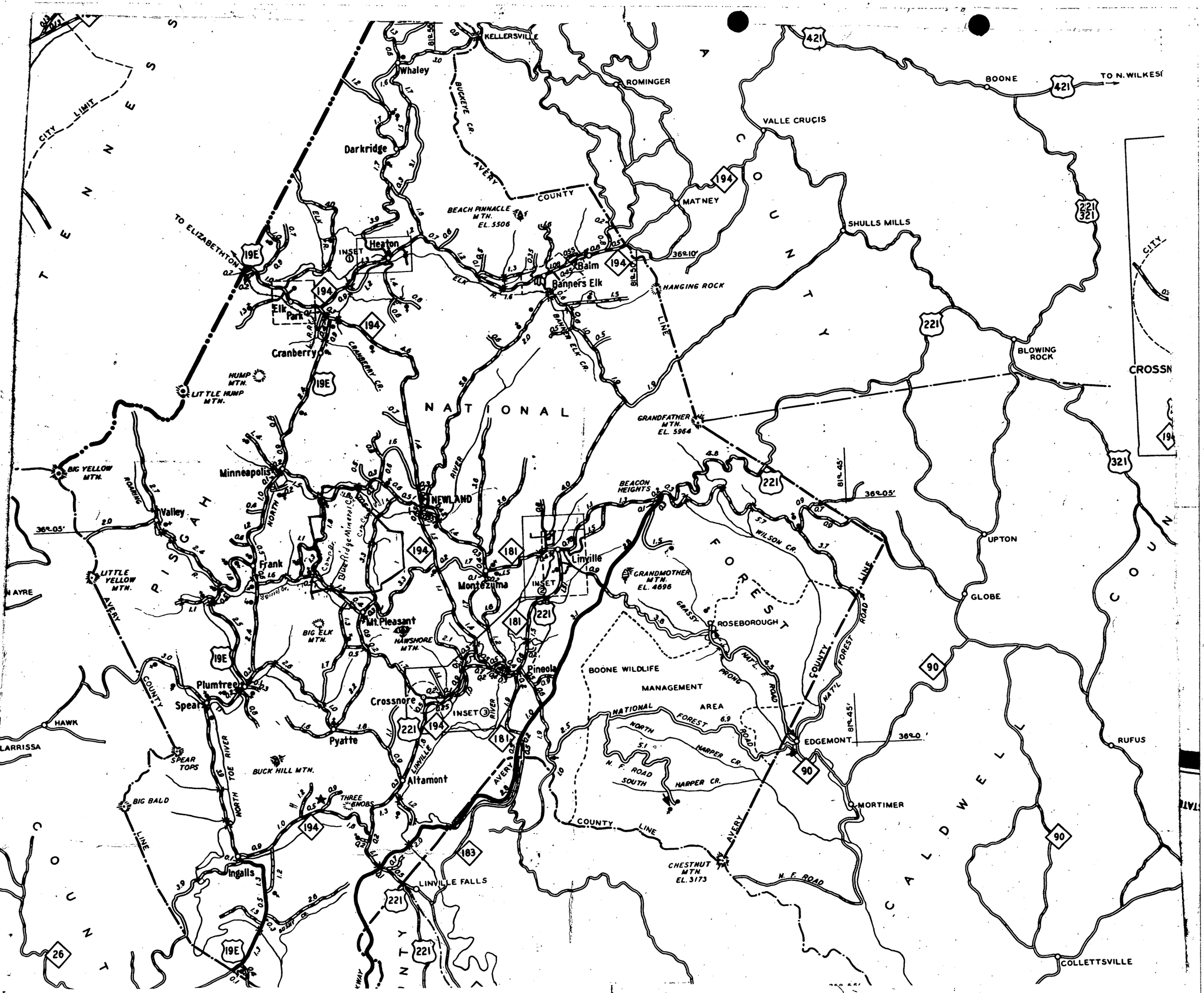
After these mines are opened and going it will be more profitable for the owner to put in a small type of grinding and cutting mill and grind and prepare his own products for market. With a good experienced manager who can handle machinery as well as labor, this proposition should be operated at a profit at once. Judging from so many rich outcrops there is a large body of high grade ores of several kinds on this property. The ceramic and glass industries as well as the electrical and automobile industry, get most of their supplies of feldspar, mica, kaolin and quartz from Western North Carolina. In my opinion it is possible and highly probable - that some one will make several millions of dollars from the minerals on this tract.

The English Mica Mine on the adjoining property struck a rich lead of mica and I am reliably informed, have mined and marketed over $5,000,000.00 worth of mica from this one mine. I am also reliably informed that a gentleman now living in Bristol purchased a tract of land in this territory - some six miles from this 1600 acre tract - for the timber, and did not know of the mineral deposits; and after cutting the merchantable timber from the land, he sold the mineral and mining rights for $125,000. cash. A mill has just been built on this tract.

I am also informed from a source which I consider entirely reliable that several years ago some people purchased a lease from the owners of a 1200 acre tract in this territory and paid $75,000.00 for it, and also agreed to pay the land owner .50¢ royalty on each ton of feldspar mined and 8% of the selling price of all mica and other minerals mined and sold from the property. This operator went through the recent depression without inconvenience and is still operating and paying these royalties regularly.

Bristol, Va.
November 26, 1938.

W. B. Addington,
Engineering Geology.


KELLERSVILLE
Whaley
ROMINGER
BOONE
TO N. WILKESI
VALLE CRUCIS
Darkridge
BUCKEYE CR.
AVERY
COUNTY
BEACH PINNACLE MTN. EL. 5506
MATNEY
SHULLS MILLS
TO ELIZABETHTON
INSET
Heaton
Baim
Banners Elk
HANGING ROCK
Elk Park
Cranberry
CRANBERRY CR.
BANNER ELK CR.
LINE
BLOWING ROCK
CROSSN
HUMP MTN.
LITTLE HUMP MTN.
NATIONAL
GRANDFATHER MTN. EL. 5964
BIG YELLOW MTN.
Minneapolis
NEWLAND
RIVER
BEACON HEIGHTS
WILSON CR.
UPTON
Valley
ROARING
NORTH
Frank
Blue Ridge Mtn. Ch.
Montezuma
Linville
INSET
GRANDMOTHER MTN. EL. 4696
FOREST
GLOBE
LITTLE YELLOW MTN.
AYRE
AVERY
BIG ELK MTN.
Mt. Pleasant
HAWSHORE MTN.
GRASSY
ROSEBOROUGH
Plumtree
Pineola
BOONE WILDLIFE MANAGEMENT AREA
COUNTY
FOREST ROAD
Spear
Crossnore
INSET
RIVER
NATIONAL FOREST
NORTH FORK ROAD
HAWK
LARRISSA
Pyatte
EDGEMONT
RUFUS
SPEAR TOPS
NORTH TOE RIVER
BUCK HILL MTN.
LINVILLE
Altamont
HARPER CR.
N. F. ROAD
SOUTH HARPER CR.
BIG BALD
THREE KNOBS
MORTIMER
COUNTY LINE
AVERY
Ingalls
LINVILLE FALLS
CHESTNUT MTN. EL. 3173
N. F. ROAD
COLLETTSVILLE
CALDWELL
COUNTY
19E
194
421
221
321
181
183
90
26

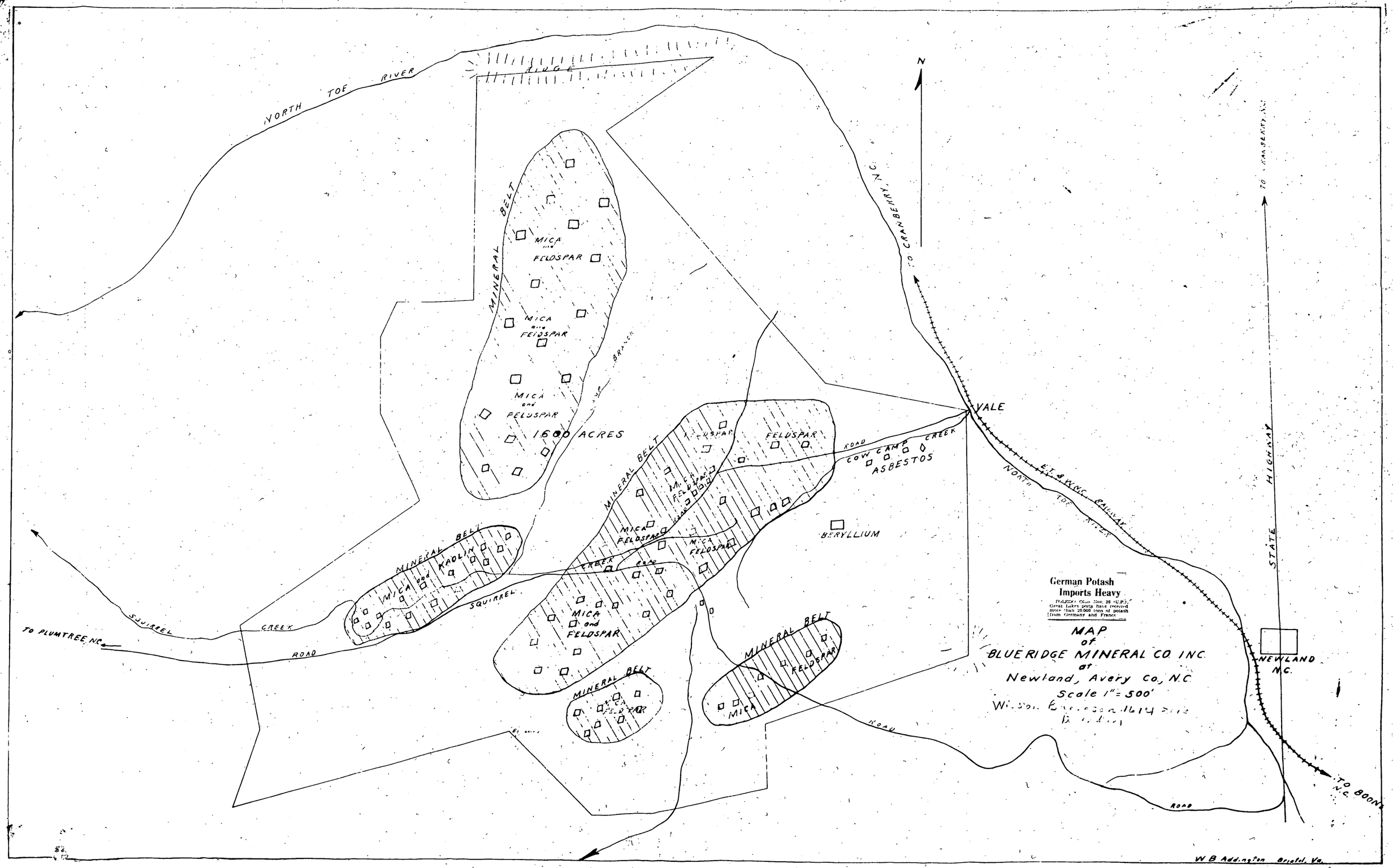

NORTH TOE RIVER
RIDGE
N
TO CRANBERRY, N.C.
TO CRANBERRY, N.C.
MINERAL BELT
MICA and FELDSPAR
MICA and FELDSPAR
MICA and FELDSPAR
1600 ACRES
BRANCH
MINERAL BELT
FELDSPAR
FELDSPAR
ROAD
COW CAMP CREEK
ASBESTOS
VALE
ELWING RAILWAY
NORTH TOE RIVER
BERYLLIUM
MINERAL BELT
KAOLIN
MICA and
SQUIRREL
CREEK
ROAD
MICA and FELDSPAR
MINERAL BELT
MICA and FELDSPAR
MINERAL BELT
MICA and FELDSPAR
MINERAL BELT
MICA and FELDSPAR
ROAD
STATE HIGHWAY
NEWLAND N.C.
TO N.C. BOONE
TO PLUMTREE N.C.
SQUIRREL
CREEK
ROAD
German Potash
Imports Heavy
PORTLAND, Ore., Nov. 28 (U.P.)
Great Lakes ports have received
more than 20,000 tons of potash
from Germany and France
MAP
of
BLUE RIDGE MINERAL CO. INC.
at
Newland, Avery Co., N.C.
Scale 1" = 500'
W B Addington Bristol, Va.

TABLE 11.-- ANALYSES OF RECORDED PRODUCTION OF SHEET AND PUNCH MICA FROM THE SPRUCE PINE DISTRICT, NORTH CAROLINA

Mine No.	Name of mine	Years for which production is recorded	Clear sheet (lbs.)	Stained sheet (lbs.)	Punch (lbs.)	S/(S and P) 1/ (percent)	Size range of sheet mica (percent): Clear 1½x2	2x2	2x3	3x3	3x4	3x5	4x6	6x8	8x10	Other	Stained 1½x2	2x2	2x3	3x3	3x4	3x5	4x6	6x8	8x10	Other
1	Cow Camp (South)....	1927, 1936	387	......	3,376	10	30.5	31.8	22.2	7.0	3.6	3.4	1.5	...	....	....	....	....	....	....	....	....	....	...	...	....
4	Bluff..........	1924, 1935-36, 1939	818	......	1,735	32	34.6	18.3	20.8	9.3	5.6	5.4	5.0	0.7	0.3	....	....	....	....	....	....	....	....	...	...	....
5	Lick Log..........	1926-27	......	1,034	6,085	14.6	....	....	....	....	....	....	....	...	....	....	....	42.3	25.0	13.8	7.4	7.9	3.1	0.5	...	....
6	Peru..........	1924, 1929	471	......	3,210	13	54.4	22.1	16.1	3.2	1.7	1.7	.7	.1	....	....	....	....	....	....	....	....	....	...	...	....
12	Oaks Knob..........	1928-29, 1936-38	659	575	6,081	17	40.9	16.7	17.7	7.0	5.5	7.0	4.9	.3	....	....	....	40.7	28.0	9.7	4.9	7.3	7.3	...	...	2.1
14	Powdermill..........	1924, 1939	244	120	1,415	20	55.4	15.6	15.2	6.2	3.1	3.3	1.2	...	....	....	....	31.8	30.1	12.6	10.9	10.0	3.8	...	...	....
15	Lincoln Rock..........	1925	1,778	......	5,022	26	58.0	17.7	13.9	5.1	2.7	2.2	.4	...	....	....	....	....	....	....	....	....	....	...	...	....
16	Marie..........	1925	34	62	1,256	7	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
19	Meadow..........	1926, 1930, 1934, 1938-39	21,079	63,681	180,158	32	32.9	25.4	7.8	8.9	7.4	10.0	6.8	.8	.05	....	....	35.6	28.2	9.5	7.6	12.9	5.3	.9	0.1	....
22	Plumtree..........	1925	......	148	584	9.6	....	....	....	....	....	....	....	...	....	....	17.6	43.1	19.6	7.2	5.5	6.2	.8	...	...	....
23	Little Elk..........	1926, 1928, 1931	675	......	2,520	21	47.7	18.7	17.2	5.9	3.6	5.5	1.5	...	....	....	....	....	....	....	....	....	....	...	...	....
24	Elk..........	1922, 1925, 1927-29, 1931	1,579	......	5,947	21	56.8	18.2	13.1	5.9	2.7	2.5	.8	...	....	....	....	....	....	....	....	....	....	...	...	....
32	Johnson..........	1928, 1930	440	......	1,217	26.6	27.1	22.5	20.7	10.5	8.9	8.9	1.6	...	....	....	....	....	....	....	....	....	....	...	...	....
36	Woody..........	1936	82	......	91	47	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
37	Matilda Vance..........	1925, 1939	......	459	118	79.7	....	....	....	....	....	....	....	...	....	....	....	43.1	45.1	9.4	2.0	.4	....	...	...	....
39	Buck Hill..........	1925-26, 1937-38	130	441	2,126	21.2	36.0	29.1	25.0	5.4	3.0	1.5	....	...	....	....	....	39.9	31.3	14.5	6.8	5.9	1.6	...	...	....
40	Tom Carpenter..........	1928	15	32	512	8	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
42	Pancake..........	1929	105	......	698	15	41.0	21	13	4	3	3	1	...	....	15	....	....	....	....	....	....	....	...	...	....
43	Honey Waite Wiseman.	1922, 1929-31, 1939-40	322	582	6,866	12	39.1	23.9	18.0	6.8	3.1	5.6	3.1	.3	....	....	....	47.1	30.6	11.7	5.5	5.0	.2	...	...	....
46	Alfred..........	1924, 1929	27	......	1,036	2.6	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
47	Doublehead..........	1922, 1926	515	......	3,068	14	45.1	22.7	18.1	5.0	3.7	5.1	.4	...	....	....	....	....	....	....	....	....	....	...	...	....
48	Bug Rock..........	1929	188	......	712	21	51.1	24.5	10.6	7.5	2.7	3.2	.5	...	....	....	....	....	....	....	....	....	....	...	...	....
50	Houston Rock..........	1923-24	443	......	1,008	30.5	67.0	15.1	10.4	3.2	1.4	1.8	1.1	...	....	....	....	....	....	....	....	....	....	...	...	....
51	Charlies Ridge..........	1929, 1935-36	2,846	8	5,138	36	24.2	23.3	22.0	8.1	6.9	13.0	3.2	.1	....	....	....	....	....	....	....	....	....	...	...	....
52	Justice..........	1929, 1935-36	218	112	2,895	10	40.8	18.8	21.6	7.8	4.6	4.6	1.5	.3	....	....	....	43.7	22.3	10.7	8.0	8.9	4.0	2.2	...	....
55	Wolf Ridge..........	1924, 1926, 1930, 1937-38	269	12	3,809	7	49.1	26.0	17.5	5.6	1.1	.7	....	...	....	....	....	....	....	....	....	....	....	...	...	....
62	Four Foot Square..........	1925	435	......	2,175	16.7	83.5	10.8	3.7	.7	.5	.9	....	...	....	....	....	....	....	....	....	....	....	...	...	....
63	Hawk Ruby..........	1932	87	......	298	22.6	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
66	Landers..........	1935	347	......	192	64	28.5	23.3	22.8	10.4	8.6	5.8	.6	...	....	....	....	....	....	....	....	....	....	...	...	....
67	Happy Hill..........	1930	30	198	1,855	11	....	....	....	....	....	....	....	...	....	....	....	31.9	21.2	11.1	6.6	8.6	4.6	...	...	16.1
68	Birch..........	1918-20, 1925	3,067	......	18.744	14	33.4	30.7	18.3	6.6	3.5	3.4	1.1	.1	....	2.9	....	....	....	....	....	....	....	...	...	....
71	Little Hawk (head of Henson Creek)..	1924	101	......	204	33	15.4	27.7	27.2	9.9	6.4	6.5	6.9	...	....	....	....	....	....	....	....	....	....	...	...	....
81	Hawk..........	1929-30, 1937-38	10,091	......	26,382	27.7	25.5	17.4	20.5	8.3	6.6	9.4	7.4	1.3	1.3	2.2	....	....	....	....	....	....	....	...	...	....
87	Clarissa..........	1920	7,954	117	4,626	64	58.5	28.5	5.6	2.3	1.8	2.3	.9	.1	....	....	....	....	....	....	....	....	....	...	...	....
89	Lick Ridge..........	1929, 1931, 1937-38	1,149	272	4,514	24	35.2	24.2	23.9	8.7	2.7	4.1	1.3	...	....	....	....	49.6	31.3	11.0	2.6	5.5	....	...	...	....
90	Joe Stevenson..........	1930-31	558	......	2,414	19	41.6	28.6	19.0	5.7	2.9	2.2	....	...	....	....	....	....	....	....	....	....	....	...	...	....
92	Horton Rock..........	1930, 1933-39	1,843	......	12,363	13	40.8	26.1	17.7	6.8	3.6	4.4	.6	...	....	....	....	....	....	....	....	....	....	...	...	....
94	Cloudland..........	1937-39	977	......	4,855	17	36.5	20.0	16.0	7.4	4.7	8.4	5.2	.5	....	1.4	....	....	....	....	....	....	....	...	...	....
95	Ben Cox..........	1935-37	500	......	7,569	6	40.6	35.0	19.6	2.1	1.5	1.2	....	...	....	....	....	....	....	....	....	....	....	...	...	....
96	Milt Wilson..........	1939	3,139	......	11,045	22	29.0	33.5	23.2	8.0	3.8	2.2	.4	...	....	....	....	....	....	....	....	....	....	...	...	....
101	Plukens Hill..........	1928, 1935-39	538	......	3,609	13	36.8	28.1	20.6	6.9	3.2	3.5	.9	...	....	....	....	....	....	....	....	....	....	...	...	....
102	Waterhole..........	1936-37	689	......	1,524	31	19.5	28.2	24.6	10.0	6.4	6.8	2.8	1.7	....	....	....	....	....	....	....	....	....	...	...	....
107	Abernathy..........	1931, 1933, 1938-40	831	83	11,685	7	51	24	15	4	2	1	1	1	....	....	....	35	35	13	6	9	2	...	...	....
108	Chestnut Branch..........	1925-26, 1933-34, 1937	1,388	......	7,703	15	56.0	26.5	13.3	2.7	.8	.5	.1	...	....	....	....	....	....	....	....	....	....	...	...	....
110	Jake Buchanan..........	1923	38	166	1,770	10	34.2	34.2	23.7	4.0	2.0	1.3	....	...	....	....	....	39	39	9.6	4.2	6.0	2.5	...	...	....
121	Jeff Howell..........	1925, 1937-38	705	1,725	16,243	13	43.5	25.4	19.4	7.5	2.3	1.3	.6	...	....	....	....	24.1	35.1	19.4	9.5	8.6	3.2	...	...	....
122	Black (E. of Lunday)	1925, 1939-40	......	506	2,835	15	....	....	....	....	....	....	....	...	....	....	....	29.5	39.7	13.8	6.5	7.9	2.6	...	...	....
134	Murphy Rock (on Rebels Creek)..........	1938	105	......	1,198	8	40.1	36.5	16.2	5.7	1.0	.7	....	...	....	....	....	....	....	....	....	....	....	...	...	....
137	Adam Buchanan..........	1925-26, 1929-30, 1937, 1939.	......	1,671	12,635	12	....	....	....	....	....	....	....	...	....	....	....	38.5	40.0	12.0	4.8	2.9	.2	...	...	1.6
139	Gimbel..........	1929	294	......	103	74	36.4	22.1	20.4	7.8	3.7	7.8	1.7	...	....	....	....	....	....	....	....	....	....	...	...	....
140	Sugar Tree Cove..........	1925-26	......	218	1,484	12.8	....	....	....	....	....	....	....	...	....	....	....	17.4	37.0	19.9	8.7	11.5	4.6	.9	...	....
145	Putman..........	1923, 1935-39	5,635	1,961	66,490	10	54.9	21.4	15.3	5.5	2.3	.3	.2	.1	....	....	....	62.4	25.1	6.7	3.7	1.9	.3	.1	...	....
147	Flat Rock..........	1925, 1933-34	982	......	1,892	34	28.8	21.7	24.4	7.9	5.4	6.8	5.0	...	....	....	....	....	....	....	....	....	....	...	...	....
150	Miller..........	1936-37	45	......	386	10.4	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
151	Pegram..........	1939-40	63	......	807	7	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
153	Davis..........	1930	192	......	1,283	13	36.9	28.6	24.0	5.7	4.7	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
154	Number Twelve..........	1937	188	57	2,071	10.6	35.2	29.7	23.4	5.7	3.8	2.2	....	...	....	....	....	....	....	....	....	....	....	...	...	....
155	Deer Park..........	1922-39 2/	← 76,633 →		137,829	35.7	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
		1924-30, 1934, 1937-38	22,040	187	37,186	37	25.2	22.8	24.8	8.6	7.0	7.7	3.7	.2	.01	....	....	29.9	41.2	10.7	8.6	9.1	.5	...	...	....
162	"A", on Brushy Creek	1922, 1926	370	......	1,367	21	37	29	22	6	3	2	1	...	....	....	....	....	....	....	....	....	....	...	...	....
163	Brushy Creek..........	1927	109	......	231	32	27.6	21.2	20.2	9.7	6.4	7.8	6.4	.7	....	....	....	....	....	....	....	....	....	...	...	....
164	Mill Race..........	1925-28, 1930	4,156	19	13,253	24	26.9	23.9	27.9	8.4	5.2	5.2	2.2	.2	....	....	....	....	....	....	....	....	....	...	...	....
167	English Knob..........	1924, 1934-35, 1937	......	170	1,634	10	....	....	....	....	....	....	....	...	....	....	....	49.4	34.7	11.2	2.4	2.2	.3	...	...	....
169	Gouges Creek..........	1922-27, 1930, 1936, 1939	1,670	1,051	14,703	15.6	32.0	25.0	23.3	9.0	4.9	4.1	.8	...	....	.8	....	43.4	36.0	8.1	5.4	5.0	2.1	...	...	....
174	Wiseman..........	1920, 1923, 1937	19	587	3,973	13	....	....	....	....	....	....	....	...	....	....	....	52.3	35.4	7.7	2.5	1.9	.2	...	...	....
175	Henline..........	1922-23	335	6	1,362	20	22.7	18.8	28.4	7.5	8.7	6.0	6.3	1.6	....	....	....	....	....	....	....	....	....	...	...	....
176	Pink..........	1934-38 2/	← 874 →		1,007	40	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
		1929, 1935-36	854	86	2,166	30	22.2	21.6	24.6	8.3	6.1	9.0	7.3	.8	....	....	....	....	....	....	....	....	....	...	...	....
185	Sullins Rock (Irby Cut)..........	1930	165	......	961	14.7	53.3	23.6	17.0	4.2	1.8	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
189	Hawkins..........	1917, 1923-26, 1930	226	1,182	7,241	16	43.8	28.3	20.4	4.4	2.2	.9	....	...	....	....	....	41.5	34.6	11.8	6.1	5.2	.9	...	...	....
192	Pine Mountain..........	1935, 1937	232	408	6,834	8.6	48.2	25.0	16.4	6.5	2.4	1.3	.3	...	....	....	....	45.6	26.3	11.3	9.3	6.4	1.1	...	...	....
193	Mary Pitman..........	1925-27	283	39	1,165	21.1	40.0	25.4	22.6	6.0	3.5	2.3	.2	...	....	....	....	....	....	....	....	....	....	...	...	....
196	Peterson..........	1925-39	546	2,625	11,813	21	23.6	25.5	21.4	11.4	5.5	7.0	5.7	...	....	....	....	22.6	17.3	9.2	5.4	7.5	4.8	1.2	...	32
197	Blalock..........	1925-26, 1935, 1940	1,030	875	11,602	14	39.0	23.5	19.6	6.7	5.4	5.5	.9	...	....	....	....	35.7	35.3	10.4	8.0	9.1	1.5	...	...	....
198	Lissie Smith..........	1925-33 2/	← 27,307 →		118,511	18.7	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
		1924, 1926-29, 1933-39	910	10,484	77,109	12.5	34.8	23.5	22.5	7.5	4.5	4.5	2.7	...	....	....	....	46.6	33.0	10.2	5.4	3.9	.9	...	...	....
199	Deake..........	1926-27 2/	2,353	......	3,754	38.5	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
		1922, 1925-28	6.080	91	16,026	27.8	27.1	22.0	22.6	8.7	5.6	9.2	4.6	.2	....	....	....	....	....	....	....	....	....	...	...	....
210	Guy..........	1926-28, 1931	554	......	7,089	7	36.6	28.9	20.2	6.2	2.4	4.2	1.5	...	....	....	....	....	....	....	....	....	....	...	...	....
211	Drawbar (northeast end)..........	1926, 1929, 1934	711	41	1,642	31.4	24.9	21.5	25.8	9.3	6.3	9.3	2.9	...	....	....	....	....	....	....	....	....	....	...	...	....
212	Calhoun Smith..........	1918, 1920	305	15	1,238	19.1	45.0	19.7	16.1	6.1	3.8	8.2	1.1	...	....	....	....	....	....	....	....	....	....	...	...	....
214	Poteat..........	1917-18, 1920, 1929-31, 1933.	72,749	7,456	196,858	29	43.2	15.2	18.3	6.5	4.6	5.3	2.4	.3	.02	4.3	....	44.0	31.3	9.2	5.4	6.4	3.1	...	...	.6
215	Childers..........	1933-35	166	41	702	23	32.6	24.8	20.5	7.3	4.2	7.3	3.3	...	....	....	....	....	....	....	....	....	....	...	...	....
217	Chalk Mountain..........	1930	......	136	266	45	17.6	25.7	20.6	12.5	19.1	4.4	....	...	....	....	....	....	....	....	....	....	....	...	...	....
218	Al Autrey..........	1937-38	24	34	1,468	4	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
228	Wood Cox..........	1929-30, 1933-35	1,481	73	6,884	18	34.6	23.7	21.4	6.4	4.3	4.5	3.0	.4	....	1.8	....	....	....	....	....	....	....	...	...	....
230	Hootowl..........	1937-39	......	7,600	43,426	15	....	....	....	....	....	....	....	...	....	....	....	28.5	33.4	9.6	7.2	13.1	6.4	.9	...	.9
232	Chestnut Flats (mica)..........	1930, 1938-40	136	......	1,105	11	27.2	22.1	24.3	9.6	6.6	8.1	2.0	.2	....	....	....	....	....	....	....	....	....	...	...	....
235	Barger (Spruce Pine No. 21)..........	One-year period 3/	12,882	677	106,849	11.3	69.3	12.7	13.2	2.7	1.1	.8	.2	...	....	....	....	66.2	27.3	4.0	1.7	.8	....	...	...	....
		1929-31	5,759	......	19,816	22.5	44.2	28.8	19.5	4.2	1.8	1.3	.2	...	....	....	....	....	....	....	....	....	....	...	...	....
236	Buckeye (W. of Boonford)..........	1922, 1940	124	5	1,116	10	59.7	25.8	12.1	2.4	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
237	Branch (W. of Boonford)..........	1925, 1933-36	1,663	259	16,350	11	50.9	25.2	15.9	4.8	2.0	.8	.4	...	....	....	....	61.9	22.1	10.4	3.5	2.1	....	...	...	....
247	Tolley Bend..........	1918, 1925-26, 1931	5,460	......	15,363	26	41.2	28.9	19.0	5.0	3.3	2.4	.2	...	....	....	....	....	....	....	....	....	....	...	...	....
249	Presley..........	1922-24, 1930, 1933-40	6,845	......	48,254	12	36.9	23.1	23.9	6.2	4.3	3.6	1.3	.2	.1	.5	....	....	....	....	....	....	....	...	...	....
255	Googrook..........	1925-26, 1928-29, 1935-39	16	8,384	18,656	31	....	....	....	....	....	....	....	...	....	....	....	26.7	37.5	15.3	6.3	6.4	3.2	.2	...	4.4
257	Carroll Deyton..........	1937-38	......	254	737	26	....	....	....	....	....	....	....	...	....	....	....	30.3	41.3	15.8	7.1	5.1	.2	...	...	....
259	Jim Curl..........	1935-36	266	......	973	21	37.6	27.0	18.4	8.6	4.1	4.1	.1	...	....	....	....	....	....	....	....	....	....	...	...	....
260	William Hughes..........	1931	65	......	393	14	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
267	Huskins (E. of Pigpen Creek)..........	1936-37	58	44	2,004	4.8	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
276	Bee Ridge (north)...	1928, 1930-31, 1937, 1939-40.	1,149	......	5,267	18	42	30	18	6	2.7	1.4	.1	...	....	....	....	....	....	....	....	....	....	...	...	....
282	Charley Young..........	1934-37	1,442	......	9,010	14	22.7	27.7	22.6	8.7	4.9	7.5	4.6	.6	....	.7	....	....	....	....	....	....	....	...	...	....
283	Laws..........	1936-37, 1939-40	485	2	7,636	6	41.9	25.0	17.8	7.4	4.5	3.1	.3	...	....	....	....	....	....	....	....	....	....	...	...	....
284	Vance Sugar..........	1938-39	21	89	1,337	8	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
285	Bittner..........	1935	1,031	......	2,216	32	28.8	21.7	22.8	7.9	6.1	7.4	5.1	.2	....	....	....	....	....	....	....	....	....	...	...	....
289	Little Zeph Young...	1926-27, 1937-38	6,815	12	27,878	20	27.8	30.3	25.7	7.9	4.1	3.4	.7	...	....	....	....	....	....	....	....	....	....	...	...	....
291	Boomer Tom Young..........	1917, 1923-25, 1930, 1937, 1939.	1,671	183	4,851	28	27.8	28.8	22.7	7.0	5.4	6.0	2.1	.2	....	....	....	54.8	36.2	5.5	1.9	1.1	.5	...	...	....
293	Flukens Ridge (E. of Fannie Gouge)..	1925-26, 1929-31, 1937-38	1,222	93	7,968	14	40.3	30.0	17.8	6.3	2.9	.8	.7	...	....	....	....	....	....	....	....	....	....	...	...	....
296	Fannie Gouge (Spruce Pine No. 10)..........	Two-year period 4/	7,391	33,681	156,238	20.8	14.5	15.1	25.4	10.9	8.9	11.9	9.3	2.6	1.4	....	....	42.7	16.7	6.8	8.1	11.5	10.5	2.7	1.0	....
		1925, 1935, 1938	211	1,388	12,800	11	54.6	12.4	15.6	4.3	1.9	1.4	9.8	...	....	....	....	35.5	35.6	12.6	5.3	7.1	3.3	.6	...	....
297	Spider..........	1925, 1927, 1929-31	6,528	897	22,085	25	28.5	25.8	25.6	8.8	4.4	4.9	1.9	.1	....	....	....	44.7	30.7	9.0	5.9	7.1	2.5	.1	...	....
298	Poll Hill..........	1917-18, 1920, 1924-25, 1927-31, 1934, 1937, 1938.	117,982	2,535	259,358	32	36.2	20.9	22.4	7.7	4.5	5.3	2.0	.2	.01	.82	....	42.2	33.2	12.4	4.8	6.1	1.3	...	...	....
299	Gibbs..........	1922, 1925-27, 1930, 1934, 1936, 1938-39.	32,820	......	43,018	43	29.5	22.5	23.3	8.6	5.5	7.3	3.2	.1	....	....	....	....	....	....	....	....	....	...	...	....
300	Hilliard..........	1925, 1930-31	547	......	2,521	17.8	50.9	25.4	17.8	3.5	1.2	1.3	....	...	....	....	....	....	....	....	....	....	....	...	...	....
304	Wilt Young..........	1922, 1925-26, 1937	606	52	3,075	17.6	31.7	35.0	18.6	7.3	3.5	2.9	1.0	...	....	....	....	....	....	....	....	....	....	...	...	....
307	Bailey Mountain..........	1917, 1922-24, 1926, 1928, 1930-31, 1934-38.	4,465	1,379	22,022	21	32.4	27.9	22.4	6.7	3.7	4.1	2.0	.1	.04	.67	....	32.6	32.6	11.6	7.0	7.4	4.6	.9	...	3.12
309	Dink Rock..........	1917	1,460	......	2,183	40	35.3	22.5	19.9	8.2	6.2	5.8	2.2	...	....	....	....	....	....	....	....	....	....	...	...	....
311	Myra Gibbs..........	1933	351	......	483	42	32.8	23.1	17.7	7.1	4.8	6.0	6.4	2.1	....	....	....	....	....	....	....	....	....	...	...	....
313	Big Gibbs..........	1924-26, 1933-35	1,107	159	7,597	14	48.6	28.0	17.4	3.7	1.2	.8	.2	...	....	....	....	25.8	17.6	8.2	4.4	5.0	6.3	...	...	32.7
315	Self..........	1936-38	129	709	7,797	10	34.2	27.2	20.2	7.9	3.5	3.1	2.3	1.6	....	....	....	38.6	27.4	15.1	7.9	5.1	2.0	...	...	....
319	Carolina Mineral Co. No. 29..........	1935-37	841	45	3,282	21	27.1	23.4	24.3	6.4	4.9	5.5	3.6	...	....	....	....	....	....	....	....	....	....	...	...	....
321	Carolina Mineral Co. No. 6..........	1937	59	......	262	19	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	...	...	....
327	George Young..........	1938-40	195	152	5,222	6.2	35.4	34.9	16.9	5.6	.1	.3	....	...	....	....	....	35.7	37.5	10.3	6.6	9.2	.7	...	...	....
330	Wildcat..........	1938	396	......	2,722	12.7	30.1	27.8	27.3	9.1	3.8	2.0	....	...	....	....	....	....	....	....	....	....	....	...	...	....
331	Carolina Mineral Co. No. 20..........	1922, 1936	2,218	......	10,400	18	46.5	27.3	18.7	3.8	1.8	1.5	.5	...	....	....	....	....	....	....	....	....	....	...	...	....
344	Sally Knob..........	1930-31	3,730	4,031	18,090	30	27.5	25.8	27.8	7.7	5.0	5.2	1.0	...	....	....	....	35.7	33.5	10.6	8.9	9.2	2.1	...	...	....
345	Murphy Rock..........	1930-32, 1934, 1936-38, 1940.	3,866	......	11,251	25.6	36.9	25.7	20.9	8.4	3.9	3.5	.7	.1	....	....	....	....	....	....	....	....	....	...	...	....
348	Ray..........	1917, 1931-32	6,013	......	13,903	30	36.1	21.4	20.9	8.6	4.7	5.5	2.5	.2	....	....	....	....	....	....	....	....	....	...	...	....
350	Willies Shanty..........	1935	396	5	263	60	20.5	23.5	25.5	10.4	9.6	8.1	2.5	...	....	....	....	....	....	....	....	....	....	...	...	....
354	Ayles Creek..........	1934-35	765	......	1,789	30	40	22	16	7.1	3.9	5.4	2.2	.2	....	....	....	....	....	....	....	....	....	...	...	....
355	Autrey..........	1935-39	41,522	3,713	112,084	29	14	11	20	8	7	13	13	5.2	2.1	6	....	29	32	9	6.3	10.3	4.6	.7	.1	8
356	Balsam..........	1928, 1936	13,335	......	4,162	24	28.4	25.2	24.6	8.3	5.1	7.0	1.5	...	....	....	....	....	....	....	....	....	....	...	...	....
357	S. W. Presley..........	1938-39	3,306	169	19,857	15	30.1	20.7	22.6	7.3	6.0	5.8	2.9	.1	....	....	....	....	....	....	....	....	....	...	...	....
359	Cattail..........	1927-32, 1934-35	16,028	......	65,101	20	25.6	23.4	25.3	9.3	5.3	6.7	3.4	.1	....	....	....	....	....	....	....	....	....	...	...	....
369	Westall (on Colbert Ridge)..........	1917, 1925, 1928	2,182	241	9,833	20	32.1	25.0	20.8	8.0	5.0	6.1	2.3	.6	....	....	1.7	79.2	11.2	3.7	3.3	.8	....	...	...	....
374	Carson Rock..........	1937-39	908	......	1,369	40	34.9	26.5	24.3	6.2	3.3	3.7	.9	.1	....	....	....	....	....	....	....	....	....	...	...	....
375	Hill Billy..........	1939	70	......	116	38	14	17	27	16	9	14	3	...	....	....	....	....	....	....	....	....	....	...	...	....

1/ S/(S and P) = Sheet/(Sheet and punch).
2/ Data furnished by United Feldspar & Minerals Corporation.
3/ Data derived from U. S. Bur. Mines Inf. Circ. 6616, p. 11, 1932.
4/ Idem, p. 9.

U. S. GOVERNMENT PRINTING OFFICE : 1942 O - 454759

TRAMMELL MINING CORPORATION

717 Barr Building, Washington, D. C.

GENERAL TECHNICAL DATA

The statements below are in answer to questions on Form MF-100 without repetition of the questions.

1. (a) Sheet Mica

   (b) Feldspar

2. Name of Mines. (a) Cow Camp South (b) Cow Camp North, (c) Lineback - as shown as numbers 1, 2 and 3 on Bulletin 936, Plate 1 contained in Geological Survey Bulletin 936-A (U. S. Department of Interior). Exhibit (a). While some mica was mined in each of the above 3 mines, the operations were small hand tool operations, carried on by 3 or 4 men. The property is known as the Wilson Burleson 1614 acre track. It was for a time owned by Blue Ridge Mineral Co., Inc., of Newland, N. C. and by T. H. Morris.

   (a) Linear feet of shafts unknown. According to best information available there were no shafts but only pits dug into the ground approximately 40 to 50 feet deep.

   According to a map prepared by M. B. Addington of Bristol, Va., there were several pits dug at other places than the above mentioned operations which indicated the presence of sheet mica. This map is attached to this application - Exhibit (b).

   A report prepared by said Addington as to prospects of mica and other minerals is attached as Exhibit (c).

   (b), (c), and (d). The answer in (a) above covers.

   Mines are not flooded ,but in fact caved in and now largely covered with rail.

3. (a) Cow Camp South and Cow Camp North are about -4- miles from Newland, N. C. in Avery County. Newland is nearest shipping point and nearest town.

   (b) It is located in the Spruce Pine Mining district, as shown on map Exhibit (d) This is a photostat copy of County map in part reduced in scale in the photostat. This exhibit also shows highways, streams, etc. The boundaries of the property are shown on this map.

   (c) No township and range survey exists, but land is described by meters and bounds or per map attached.

TRAMMELL MINING CORPORATION

717 Barr Building, Washington, D. C.

General Technical Data - Page 2

3. (Continued)

(d) The property is in Avery County, State of North Carolina, as shown on Exhibits (c) and (a)

4. (a) Property is not now in operation.

Sub questions not applicable.

5. (a) Cow Camp South, Cow Camp North and Lineback (see Exhibit (a)) were in operation 2 or 3 years, but persons have taken mica from pits or above mentioned mines at different times over a number of years.

(b) Property can be put in operation very soon after completion of exploration and operating loan secured.

6. Experience of Operators:

Charles M. Trammell, President has had no experience in operating a mica mine - but has had extensive business experience. He was at one time President and Chairman of the Board of Directors of the Lexington Mining Co. in Montana, a Company employing about 300 employees mining silver as the principal product. This operation was brought out from an unsuccessful mining operation into a very successful one.

He is a Trustee of Emory University which has an endowment of about $20,000,000. He was for 2 years a member of the Executive Committee.

He was County Judge of Polk County, Florida, from 1912 to 1916; was a Judge of the Tax Court of the United States for 12 years and later Technical Advisor, Bureau of Internal Revenue.

During World War II was for a time on the Board of Economic Warfare; Chief of Civil Affairs for the Military District of Washington; Director of the Army Industrial College.

He is now engaged in the practice of law in Washington, D. C.

A. W. Reid - Executive Vice President. Is actively in charge of mine operations. Has mined and operated properties throughout western North Carolina for 35 years; is familiar with ALL phases of mineral mining and processing of ores. He is recognized to be a Practical Geologist and Mining Engineer. President, Pitt Mica Corp, and Franklin Developers, Inc.; Vice President, Porter Mica Corp. (Franklin, N. C.)

F. T. Sierema - Asst. Secretary & Treasurer; has been associated with the Mining Industry since 1947; Secretary and Treasurer, Porter Mica Corp. and Franklin Developers, Inc.; Director of B-H Mica Co., Inc. (Burnsville, N.C.)

7. (a) Previous Operators.

Previous operations were very small Information believed reliable is to the effect that various farmers have over a long period of years prior to acquisition by present owner obtained small amounts of mica from pits. A man by the name of P. H. Coleman, who lives near Newland, states that he operated a mine on land, the surface of which is owned by W. R. Robbins, on thisproperty.. He was working for Owens & Phillips in 1940 or 1941. A Mr. John Taylor operated in a small way on this property. His address is Newland.

Mr. Coleman states that he exploded some dynamite in the pit he was operating when he left to prevent anyone from finding the location of a rich deposit of Ruby Mica. Mr. Coleman is familiar with the location where mica is found.

Approximately 6, possibly more "separate tunnels or mines, each leading into mica veins on this property near Cow Camp mines." The above is from a letter from Carl E. Trammell, who inspected the property and wrote a letter dated Sept. 25, 1948, showing the result of his inspection and talks with persons in the vicinity.

The Cow Camp South Mine was operated by a man by the name of C. Daniels,long a resident of Newland. He states that the mica was found at 35 feet, that he did not go to the bottom of the vein, which dips about 30 degrees. Mr. Daniels made a statement in writing on September 21, 1946 that he dug pits on the property near Cow Camp; that 1 pit was about 40 feet deep and about 6 by 8 feet and obtained about 300 pounds of clear sheet mica and about 3,000 pounds of stained mica which he sold; on the upper Cow Camp property he put down another pit about 6 by 8 feet from 4 to 50 feet deep and found clear sheet mica; that other people dug pits deeper and found a second vein of clear sheet mica; that the 2 pits were about 2,000 yards apart, with indications it was a connecting vein; that there are indications in other places of the existence of mica.

The pertinent part of a letter from C. E. Cully dated September 2, 1946, is attached. Mr. Cully has devoted considerable time to locating mica properties and is an officer in a Corporation which has a lease on the Charlie's Ridge and Justice Mines, owned by Mr. E. C. Guy of Newland.

In a letter dated Nov. 11, 1945, Mr. C. M. Cooley, an experienced mica man, states as follows:

"I know the tract of 1600 acres of Mr. Morris from Johnson City, Tenn., and there is a fine proposition if money could be

7. (a) (Continued)

raised to put it into operation as there is fine mica upon it and also lots of feldspar and close to market for both. * * * * I know personally the men that know this tract of land well and could show the best places to open up on same."

"The property is located in a few miles of an all wealth road and prospecting has been conducted to such an extent as to insure the possibility of large deposits of scrap mica, also of sheet mica and feldspar in large amounts which is a very fine grade, some of the best to be found in North Carolina."

(The property was acquired by present owner from the said Morris)

The mines have not heretofore been operated on any commercial scale due to the lack of funds for exploration or operation.

(b) Applicant has no authoritative information as to present production on adjoining or neighboring properties, but does have information generally that other properties in the general vicinity are producing mica or have mica deposits. Also information as to neighboring operations. (See Exhibit (a) map of Geological survey.

(c) The answer to 7(a) including quotations, statements and copy of map showing pits dug, answers 7(c).

The information required by the last paragraph of Press Release December 5, 1950, as stated by Dr. Boyd, is as follows:

1. The property is described as follows:

"Beginning on a small oak in the Burton Cornett line, and runs thence North-East to a spruce pine on the bank of Cow Camp Creek; thence near East up and with the meanderings of said creek to a chestnut oak; thence South 80 deg. East to a maple; thence near South-East up and crossing Spanish Oak mountain to a double cucumber in the R. M. Burleson line; thence south 50 deg. West to a chestnut; thence near South with the meanderings of the branch to a small birch in the forks of the branch; thence near North-East up and with the branch to a stake in the R. M. Burleson line; thence South 50 deg. West to a sugar maple, the R. M. Burleson old corner; thence South 50 deg. West to a white oak; thence North 50 deg. West 31 poles to a sugar maple; thence West to the beginning, containing 70 acres, more or less.

7. (c) (Continued)

"Also, on the waters of Toe River, Squirrel Creek and Cow Camp Creek, and on the Spanish Oak Mountain and Haw Mountain, and known as the Wilson Burleson 1614 acre tract; and for a more particular description reference is here made to the deed from Thomas M. Petit and William J. Brown to Wilson Burleson dated the 2nd day of October, 1848, and of record in the office of the Register of Deeds for Mitchell County, N. C., in Deed Book 1-E at pages 142 and 143, and in Watauga County, N. C. in Deed Book "D" at page 86, and containing 1614 acres, more or less.

"COMMENCING on a crooked white oak near the middle ford of Squirrel Creek and running South 45 degrees East 88 poles to a double Cucumber; thence East 48 poles to a Spanish Oak, crossing said creek; thence North 75 degrees East 86 poles to a Mountain Oak; thence North 48 poles to a Chestnut Oak near the gap of the mountain; thence North 70 degrees East 162 poles to a Chestnut on top of the Blue Ridge; thence North 190 poles to a Red Oak near the top of the ridge; thence North 60 degrees west 108 poles to a hickory; thence North 40 degrees West 256 poles to a Chestnut-oak near the branch above the creek; thence North 55 degrees East 100 poles crossing the river to Abram Johnson's white oak corner on the bank of the river; thence South 85 degrees West 180 poles to a beach on a ridge; Abram Johnson's corner; thence South 170 poles past Sizemore's Ash corner and with his line to a white oak, said Sizemore's corner; thence West with said Sizemore's line to a hickory; thence South 35 degrees West 32 poles to a chestnut on top of Haw Mountain; thence South with the top of the mountain 60 poles to a chestnut; thence South 30 degrees East with the ridge 70 poles to a Spanish Oak, Burleson's corner on his four hundred acre survey; thence with his line South 55 degrees West 172 poles to a locust on a ridge; thence South 10 degrees East 80 poles to a Black Gum; thence South 25 degrees West 60 poles, passing the lower ford of Squirrel Creek to a cucumber; thence South 65 degrees East to the BEGINNING, and containing Sixteen Hundred and Fourteen (1614) acres, more or less, less Three Hundred and Fourteen (314) acres deducted by the Abram Johnson survey.

being the said mineral property described in two deeds recorded in Deed Book 40, page 633, and Deed Book 46, page 34, as recorded in the office of the Register of Deeds of Avery County, North Carolina, copies of which are attached hereto."

The above description covers the entire acreage included in the lease hold. This included the Cow Camp South, Cow Camp North and Lineback mines. This application is limited to the Cow Camp South.

2. The location is shown by map attached, which also shows boundaries.

TRAMMELL MINING CORPORATION

717 Barr Building, Washington, D. C.

General Technical Date - Page 6

7. (c) (Continued)

3. The mineral is mica, feldspar, asbestos and possibly some rare earth minerals. The mineral rights are owned by Charles M. Trammell. It is leased at this time to Trammell Mining Corporation. The property is reached from Newland by paved highway going west from the city. It is approximately 2½ miles to closest boundary.

4. General description is shown in this application above.

5. Dimensions of deposit unknown.

6. History of deposit shown above.

7. Descriptions of mine working shown above.

8. Sampling and assays, including maps, are shown by geological maps and statements included in Geological Survey Bulletin 936-A. Photostat copy attached as Exhibit (e).

Maps and statements are attached. (Photostat copies).

9. There is no equipment of any kind on property.

10. Description of proposed project and type of assistance desired.

See attached typewritten sheet.

11. Requirements for proposed projects in terms of money, etc.

See attached typewritten copy.

5/22/51

TRAMMELL MINING CORPORATION

717 Barr Building, Washington, D. C.

STOCKHOLDERS	ADDRESS	OFFICERS	SHARES
Charles M. Trammell	Washington, D. C.	President	205
Mary Virginia Gibson	2910 Cortland Pl.,N.W. Washington, D. C.	Secretary-Treasurer	50
A. W. Reid	P. O. Box 489 Franklin, N. C.	Vice Pres. Gen. Manager	305
F. T. Siersma	75 Ponce de Leon Ave., Atlanta, Georgia	Vice Pres. Asst. Secy-Treasurer	305
Charles M. Trammell, Jr.	4540 Lowell St., N.W., Washington, D. C.		50
J. Patrick Moran	9725 S. Hoyne St., Chicago, Illinois		15
Gordon Zuck	Chicago, Illinois		10
Thomas Nugent	Chicago, Illinois		10
Marguerite Elliott	Chicago, Illinois		10
Philip Dauer	420 Mill Road, Hamilton, Ohio		25
Edward H. Dorsey, J r.	3426 Peachtree Rd., N.E. Atlanta, Georgia		10
Cothran C. Graves	44 Muscogee Ave.,N.W. Atlanta, Georgia		10

Docket DMA-1224X

EXHIBIT "A"

Work will consist of:

1) Bulldozer trenching and subsequent shallow test pitting in the bottom of trenches--trenches will total from 100 to 150 in length, individually 20' to 50'; 7' deep more or less and from 6' to 12' wide. Hand dug pits will be made in the bottom of trenches on the best mica showings to shallow depth, and samples taken. Allowable cost $1000, time limit 6 months.

2) Four diamond drill holes (NX) totaling approximately 400' will be drilled by contract. Operator will handle and test cores. Allowable cost $2,400, time limit 6 months, concurrent with 1) above.

Location of trenches and drill holes will be mutually agreeable to Operator and Field Team member. Some latitude should be allowed if Operator finds it desirable to distribute the amount in 1) & 2) differently from above or as long as total of $3,400 is not exceeded.

Docket DMA-1224X

EXHIBIT "B"

Core house--tool shed	$	200.00

EXHIBIT "C"

Rental bulldozer, complete with operator, fuel, etc., 70 hrs @ $10	$	700.00
Diamond drilling by contract 400' @ $4.50/ft.		1800.00
Purchase hand tools		75.00
Transportation		45.00

EXHIBIT "D"

1 Engineer--supt. part time @ $20 per day	$	100.00
1 working foreman @ $12 per day		100.00
2 laborers @ $10 per day 10		300.00
Total	$	3,400.00

EXHIBIT "E"

Not Applicable

Docket DMA-1224X

RECOMMENDATION

That an Exploration Aid Contract be granted in the amount of $3,400, Government participation 90% in accordance with exhibits attached.

MF-124
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. [illegible]
Idm-E [illegible]

Name of Operator [illegible]
Docket No. DMA [illegible]
Total Contract Amount $ [illegible]
Government Participation: 90 % Amount, $ [illegible]
Distribution of Expenditures for Month of [illegible] 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 2[illegible] 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

[illegible]
(Name of Company)

By A. W. Reid
(Signature of Authorized Official)

[illegible]
(Date)

Vice President
(Title)

NOTE.—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.

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]	700.00	–	700.00			
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

FRANKLIN MINING CORP. P. O. BOX 469 FRANKLIN, N.C. 10/2/51

DOCKET NO. DMA 1224-X CONTRACT NO. Idr-2 97

PROGRESS REPORT - SEPTEMBER 1951

COPY - INVOICE - - - GRIFFIN & TAYLOR, BOX 127, HEYLAND, N. C.

to bulldozing - per Contract No. Idr-2-97

70 hours @ $10.00		$ 700.00

- - - - - - - - - -

PAYROLL RECORD

Laborers:			
Lawrence Coffey	SS #243-22-9053 46 hrs. @ 75¢	$34.50	
Oscar Andrews	SS #242-12-1689 28 hrs. @ 75¢	21.00	
MUSKING MACHINE:			
Fred Taylor	6½ days @ $16.00	104.00	
ENGR. SUPT:			
A. W. Reid	6 days @ $20.00	120.00	
OFFICE, ETC.		20.00	299.50
			$ 999.50

- - - - - - - - - -

PROGRESS REPORT - NARRATIVE

Work, as provided in contract, has been done on Sub-Project 1; includes 150 feet long, 12 feet wide and 10 feet deep of trenching with test pits.

Results show pegmatite thickness of 1' and 1½' wide - very rich in mica.

Books, up to 7" x 13" of hypende strategic baby mica, have been released.

- - - - - - - - - -

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	159.50	—	159.50			
5. Supervision	120.00	—	120.00			
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
OFFICE	20.00	—	20.00			
Total	999.50	—	999.50			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by A. L. Peyton
Entered by A. L. Peyton by WAB
Approved by W. A. Beck
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF SEPTEMBER

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching	299.50	700.00				CU. FT.	18000	—	18000	18000
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	299.50	700.00								

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

FILE COPY
SURNAME:

Chamberlin

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

April 23, 1952

Memorandum

To: Acting Administrator, DMA

From: Chief, Non-Metallic Minerals Division

Subject: Docket No. DMA-1224 - Mica
Cow Camp Mine, Avery County, North Carolina
Contract Idm-E97, Total Amount of Contract - $3,400.00

The work performed under this contract did not show evidence that a significant discovery might be made. The project was terminated by the Field Team when the time allotted the project expired. The Operator had made no effort to secure bids from the diamond drilling Contractor to complete Stage II. The work performed under the contract in Stage I was not performed according to the contract. However, the Field Team have certified this work for payment. Under these circumstances no Certification of Discovery should be made.

Summary of work accomplished: While the project consisted of trenching through the overburden at three points to permit examination of the pegmatite, the Operator dug a trench 150' long, 8' wide and 6' to 10' deep, to drain a caved portal of the tunnel. This was a divergence from the contract and should not have been paid.

Amount of money spent - $999.50.

The unexpended balance is $2,400.50, of which the Government share is $2,160.45.

The work performed under this contract did not accomplish the objective set forth in the contract. The Operator apparently is competent but he did not follow the contract.

There will be no salvage value inasmuch as no expenditures were made for equipment.

Lawrence G. Houk, Chief
Non-Metallic Minerals Division

LGHouk:mp 4/23/52
cc: Docket File
Adm. Reading File
Mr. Houk

☑ Audited

☐ Certified

W[illegible] ANALYSIS SHEET - DMEA PROJECT[illegible]

Analysis as of 11/29/54

Incl. Voucher for 9/51

☑ Actual Cost

☐ Agreed Unit Costs

Name Trammel Mining Co.

Docket No. 1224 X

State N. C.

Commodity Mica

Idm-E No. 97

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling (Specify)	400	2400	0	0	0
Surface Excavation		$1000		999.50	$999.50
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)					
Totals		$3400		999.50	999.50

Prepared by L. G. H.

COPY

March 4, 1955

Memorandum

To: Jay L. Chambers

From: Lawrence G. Houk (initialed) L. G. H.

Subject: Closing dockets

The Nonmetallic Minerals Division have reviewed the following contracts and do not intend to make certifications of discovery or development:

Idm-152	UMFA-1212	Idm-F	UMFA-
40	1213	217	1969
13	1679	244	1955
73	519	253	2134
74	1390	257	2077
76	1664	272	2360
93	6128	286	2344
97	1224	324	2255
121	1517	344	2156
124	1318	373	2439
125	1720	411	2528
129	1665	430	2524
134	1732	433	2620
140	1813	444	2646
179	1122	450	2681
180	1250	480	2725
191	1914	497	2778
195	1812	507	2840
196	1929	518	2785
211	1721	524	2909
216	2104	543	2950
		565	3030

FILE COPY
SURNAME:

Beck
Lynch
Opr. Com.
Day file
File

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

July 18, 1952

Memorandum

To: Sam J. Wardell, DMEA Regional Finance Officer-Norris

From: Executive Officer, DMEA-Region 7

Subject: Report of Review of Completed Contract Idm-E97. (mica) Trammell Mining Corporation. DMA-122hX.

Attached are original and one copy of the Contract Administration and Audit Division Report of Review on the following:

Docket No.	Contract No.	Operator
DMA-122hX	Idm-E97	Trammell Mining Corp.

This report has been reviewed by this office and is acceptable. Mr. Talbert suggested we forward it on to you. The original is to be attached to your copy of the contract and the copy to the contractor's final MF-10h.

Robert A. Laurence

xx

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 21 1952

FILE COPY
SURNAME:
800

Talbert

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

JUL 16 1952

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 01, Tennessee

Dear Mr. Laurence:

Supplementing my previous letters there is transmitted herewith the Report of Review on Docket No. DMA-1224, Contract Idm-597, with Trammell Mining Corporation.

If this report is acceptable to you please forward the original and one copy to Mr. Wardell, the DMEA Regional Finance Officer, retaining one copy for your files.

Sincerely yours,

(Signed) E. D. Talbert

J.N. 7-16-52

E. D. Talbert, Assistant Chief
Contract Administration and
Audit Division

Attachment

EDTalbert/wb
July 15, 1952

Copy to: Mails & Files
Admr. Reading File
Mr. Wardell
Mr. Chambers

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

Room 13, Post Office Building
Knoxville, Tennessee

July 11, 1952

Memorandum

To: E. D. Talbert, Assistant Chief, Contract Admin. & Audit Div.

From: Executive Officer, D.M.E.A. Field Team, Reg.7

Subject: DMEA-1224X, Idm-E97. Cow Camp Mine (mica)
Trammell Mining Corporation

Following is the additional information requested on the subject exploratory contract:

Stage 1, of this contract called for three trenches to expose the pegmatite. Conditions encountered during this work (bedrock being much closer to the surface than was anticipated) necessitated a modification so that a single deep trench was cut in place of the three. This change has the approval of the Field Team, and we think that the charges for the work done were reasonable.

Robert A. Laurence
Robert A. Laurence

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 14 1952

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D.C.~~

Room 13, Post Office Building
Knoxville 2, Tennessee

May 6, 1952

Memorandum

To: Jay L. Chambers, Chief, Contract Administration and Audit Division, DMEA, Washington, D. C.
Through: Operating Committee

From: Field Team, Region VII

Subject: DMA-1224X, Idm-E-97, Trammell Mining Corp. (Mica)

This is in response to your inquiry of May 1 about the subject exploration project.

While it is true that the original contract called for three trenches, we do not believe the change to a single trench is sufficient variation to justify receovery of payment from the operator.

The operator contends that the unexpectedly shallow depth to solid becrock at the original location prevented effective dozing at those localities. Part of the objective of the trenching was to obtain access to the old workings (see page 2 of Field Team report of examination, 6-23-51), and this the operator apparently attempted to do with the trench.

Robert A. Laurence

Robert A. Laurence
U. S. Geological Survey

W. A. Beck

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 8 1952

FILE COPY
SURNAME:

Talbert
Houk

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

MAY 1 1952

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region VII
Room 13, Post Office Building
Knoxville 01, Tennessee

Re: Project DMEA-1224 - Mica
Contract Idm-E97
Trammell Mining Corporation

Dear Mr. Laurence:

It appears from the final report dated April 11, 1952, on the above referenced exploration project, as submitted through your office by Mr. K. H. Teague, Geologist, and Mr. W. A. Beck, Mining Engineer, that possibly the work performed by the operator under stage I was in complete divergence from the work described in Exhibit "A" of the contract.

The records indicate that the operator submitted a Monthly Progress Report, Form MF-104, in the amount of $999.50, and that the Government's participation (90%) in the amount of $899.55 was paid on Administrative Voucher NOR-8 dated October 24, 1951, based upon the approval by Mr. W. A. Beck. The question arises, therefore, as to whether this payment properly should have been made since performance may not have been in accordance with the contract.

If you consider that the work performed was not a divergence from the contract, then, of course, the payment is proper. On the other hand, if the payment was improper, steps should be taken to effect recovery from the operator.

Your comments on this matter will be appreciated.

Sincerely yours,

J.N. 5-1-52

(Signed) E. D. Talbert

for Jay L. Chambers, Chief
Contract Administration and
Audit Division

EDTalbert/wb
April 29, 1952

Copy to: Admr. Reading File
Docket File
Finance Offider, Region VII
Mr. Houk
Mr. Chambers

OFFICE OF THE ADMINISTRATOR

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

Room 13, Post Office Building
Knoxville 2, Tennessee

April 11, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Field Team, DMEA, Region VII

Subject: Operator's and Field Team's Final Report on DMA-1224X, Idm-E97
Trammell Mining Corporation, Avery County, North Carolina, Cow Camp Mine (South)(Mica)

Transmitted herewith are 4 copies of the Field Team's Final Report, and 4 copies of a letter received from A. W. Reid, which will serve as the operator's final report.

Benjamin Gildersleeve

Benjamin Gildersleeve, Acting
for R. A. Laurence, Executive Officer
DMEA, Region VII

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 14 1952

Wm A Beck

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

Enclosures 2

C
O
P
Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Room 13, Post Office Building
Knoxville 2, Tennessee

April 11, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Field Team, DMEA, Region VII

Subject: Operator's and Field Team's Final Report on
DMA-1224X, Idm-E97
Trammell Mining Corporation, Avery County,
North Carolina, Cow Camp Mine (South)(Mica)

Transmitted herewith are 4 copies of the Field Team's Final Report, and 4 copies of a letter received from A. W. Reid, which will serve as the operator's final report.

/s/ Benjamin Gildersleeve
Benjamin Gildersleeve, Acting
for R. A. Laurence, Executive Officer
DMEA, Region VII

/s/ Wm. A. Beck
Wm. A. Beck, for V. J. Lynch
United States Bureau of Mines

Two copies of field team's final report and 2 copies of operator's final report taken by Operating Committee. One copy of operator's final report and one copy of field team's final report to Contract Administration. One copy of each report to Non-Metallic Minerals Div. 4/17/52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

FINAL
FLD. TM. REP.

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REGION VII

FINAL REPORT

DMA-1224X, Idm-E97, COW CAMP MINE (South)(MICA)

TRAMMELL MINING CORPORATION
AVERY COUNTY, NORTH CAROLINA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 14 1952

By

Kefton H. Teague, Geologist
U. S. Geological Survey

******

Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

April 11, 1952

Reviewed by
DMEA OPERATING COMMITTEE

4-16-52
(WB) (date)

FINAL REPORT

DMA-1224X, Idm-E97, Trammell Mining Corporation
(mica)

COW CAMP MINE (South)

Avery County, North Carolina

The Cow Camp Mine (South) is located on the headwaters of Cow Camp Creek about four miles southwest of Newland, Avery County, North Carolina.

Past mining at this place has been conducted along the south side of a small stream. Production has been from a low-dipping pegmatite which ranges in thickness from three to five feet.

This project was set up in two stages:

Stage 1 to consist of tractor-dozer trenching through the overburden at three places to permit examination of the pegmatite and Stage 2 to consist of four diamond drill holes with the aggregate footage not to exceed 400 feet.

The operator spent all funds allotted to Stage 1 in digging a trench 150 feet long, 6-10 feet deep and 8 feet wide north to the branch from the caved portal of the westernmost opening (see attached map for location). Apparently the main object of this trench was to drain the westernmost drift; however, the trench is not deep enough to accomplish this purpose. A flat-lying pegmatite stringer, about one foot thick, was exposed by this work. This pegmatite is rich in mica, however, only small sizes are present. The pegmatite formerly mined is about 6 feet lower than the stringer exposed.

A few hundred pounds of book mica were recovered from the trench, but it was entirely from slumped pegmatite and does not constitute a discovery.

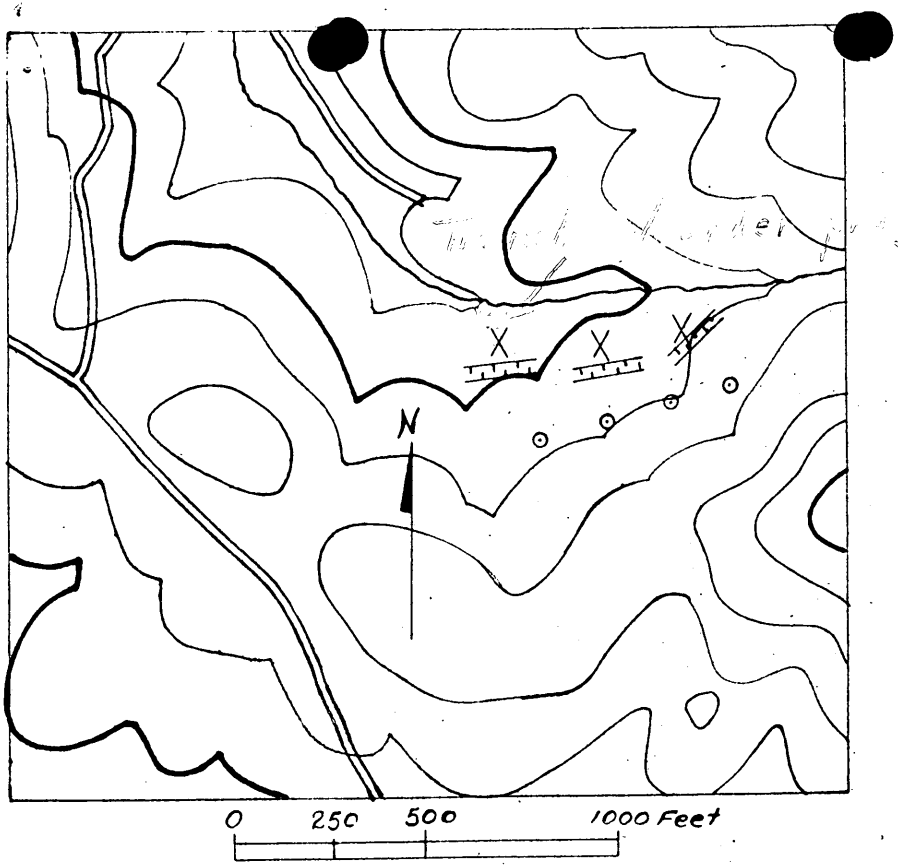
When the funds allotted to Stage 1 were spent, the operator requested additional money for bulldozing. This request was refused because of the poor direction of Stage 1 and the opinion that the money set up for Stage 2 would supply more information if it were used for the drilling. So far as the Field Team can determine, no effort was made by the operator to secure a bid from diamond drilling companies. When the time allotted the project expired, the operators were informed that the contract was terminated.

Work performed under this contract did not show evidence of a worthwhile mica deposit.

February 27, 1952

Wm. A. Beck, Mining Engineer
U. S. Bureau of Mines

Kefton H. Teague, Geologist
U. S. Geological Survey



Docket 1224X Proposed Prospecting
Cow Camp Mine (South)

(C O PY) zm

FRANKLIN DEVELOPERS, INC.

Mica Mining & Sales
Pattern, Sheet, Punch and Processed Scrap

P.O. Box 489
FRANKLIN, NORTH CAROLINA
February 7, 1952

DMA-1224X, Idm E-97

Dear Mr. Laurence:

I had a letter from Judge C. M. Trammell in Washington, D. C. He is all bothered about Cow Camp Mine in Avery County, N. C. and I hardly knew what to tell him about the report you ask him for. As you was informed on what we accomplished at Cow Camp Mine. With the shovel and dozer, we uncovered some vein material on the NW side and recovered 3 or 4 hundred pounds of mica which showed to be good clear ruby mica, but of course we had to stop as we had exhausted the Thousand dollars alloted for that part of the job. And contacted some core drilling companys and their prices was six dollars and up with a lot of extra propositions, such as guarantees of plenty of water, preparing roads moving them in and so on. So I just kept on waiting and hoping some one else would have some coredrilling in that area, and we would be able to get them on our job without a lot of extra expense.

S/s A. W. Reid

Excerpt from letter
of A. W. Reid.
(SIC) zm.2/11/52

Reviewed by
DMEA OPERATING COMMITTEE

(date)

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 4 1952

~~WASHINGTON 25, D.C.~~
Room 13, Post Office Building
Knoxville, Tennessee

February 1, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee

From: Robert A. Laurence, DMEA Executive Officer, Reg. VII

Subject: DMA-1224X, Idm-E97. Trammell Mining Corp.

Please note attached letter indicating expiration of the subject contract. As soon as Operator's final report is received, we will forward it and our final report.

The unexpended balance is $2400.50, of which the Government's share is $2160.45.

Robert A. Laurence

Robert A. Laurence

99950
99.95
899.55

3060.
2160.45
899.55

FILE COPY
SURNAME:

Koontz

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

September 26, 1951

Mr. Charles M. Trammell
Batter and Batter
Attorneys at Law
910 Seventeenth Street, N. W.
Washington 6, D. C.

My dear Mr. Trammell:

Receipt is acknowledged of your letter of September 21 with respect to assignment of claims against the Government arising under exploration project contracts made pursuant to the Defense Production Act of 1950, as amended.

Claims against the Government arising from such contracts may be assigned pursuant to the Assignment of Claims Act, as amended, with the consent of this Administration, which consent has been given in the past and will be continued to be given under normal circumstances.

Should your clients at any time wish to make an assignment of such claims, a letter addressed to this Administration setting forth the facts will normally suffice to obtain the requisite consent.

Sincerely yours,

J. L. Hofflund

J. L. Hofflund
General Counsel

CJKoontz/bjl

Copy to: C. J. Koontz
J. L. Hofflund
Chron.
Reports & Records

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

Room 13, Post Office Building
Knoxville 01, Tennessee

File

August 10, 1951

Mr. C. O. Mittendorf, Director
Production Expansion Division
Defense Minerals Administration
United States Department of the Interior
Washington 25, D. C.

Re: Docket No. DMA-1224X - Idm E97
Trammell Mining Corporation
Exploration Contract

Dear Mr. Mittendorf:

This will acknowledge receipt, on August 9, of copy of executed Exploration Contract No. DMA-1224X - Idm-E97, with Trammell Mining Corporation.

Sincerely yours,

Wm. A. Beck for R. A. Laurence
Executive Officer
Field Team, Region VII

FILE COPY
SURNAME:

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

AUG - 9 1951

My dear Senator Hoey:

I am pleased to report to you that the Defense Minerals Administration of this Department has recently entered into a contract with the Trammell Mining Corporation, operating in your state for the exploration of possible sources of mica.

The contract provides that the Government will participate in the expense of this work up to 90% of the cost thereof.

This type of assistance is provided for under Section 303 of the Defense Production Act.

The Defense Minerals Administration will be glad to furnish you any further details you may desire regarding the matter.

Sincerely yours,

(sgd) R. D. Searles

Acting Secretary of the Interior

FLKnouse/jem
8-3-51

Hon. Clyde Roark Hoey
United States Senate
Washington 25, D.C.

Identical letter to: Hon. Willis Smith
Mr. Hamilton C. Jones

cc to: Secy's Reading File
Adm. Reading File
Mr. Mittendorf-Mr. Olund
Mr. Knouse
Reports & Records
Docket

RETURN TO THE BUREAU OF MINES

BUREAU OF MINES
WASHINGTON, D. C.
AUG 14 5 58 PM '51

FILE COPY
SURNAME:

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

F L Knouse
Mittendorf

August 3, 1951

Mr. Charles M. Trammell
Trammell Mining Corporation
717 Barr Building
Washington 6, D. C.

Re: Docket No. DMA 1224X - Idm-E97
Trammell Mining Corporation
Exploration Contract

Dear Mr. Trammell:

We are enclosing one signed and approved copy of Exploration Contract No. DMA 1224X - Idm-E97 together with five copies of Form MF-104 monthly reports and one copy of Int. 3337 "Questions and Answers on the Mineral Exploration Program." Four copies of Form MF-104 are to be completed monthly and transmitted to the office of the Executive Director, Region VII, Room 14, Post Office Building, Knoxville, Tennessee. Additional copies of Form MF-104 may be obtained from the office of Region VII.

In accordance with Article 4 of your contract the contract to do the diamond drilling as outlined in this contract is subject to the approval of the Government Field Engineers.

Sincerely yours,

C. O. Mittendorf

C. O. Mittendorf, Director
Production Expansion Division

Enclosures-7

FLKnouse/meh
cc to: Adm. Reading File
Reports and Records
Mittendorf, Olund
Barr
Norton
Knouse
Region VII (2)
Docket Copy

FILE COPY 410
SURNAME:

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

F.L. Knouse
Mittendorf

August 3, 1951

a.e.

Mr. Robert Laurence
Executive Officer
Region VII
Room 14
Post Office Building
Knoxville, Tennessee

Re: Docket No. DMA-1224X - Idm E97
Trammell Mining Corporation
Exploration Contract

Dear Mr. Laurence:

We are enclosing one signed and approved copy of Exploration Contract No. DMA-1224X - Idm-E97, Trammell Mining Corporation. A copy of this contract will be forwarded to the Regional Finance Officer by the Washington Finance Officer together with their accounting instructions.

Sincerely yours,

C. O. Mittendorf BJ 8/8

C. O. Mittendorf, Director
Production Expansion Division

FLKnouse/jem

cc to: Admr's Reading File
Messrs. Mittendorf-Olund
Barr
Norton
Region VII
Knouse
Reports & Records
Docket

FILE COPY
SURNAME:

F L Knouse
Mittendorf

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

August 3, 1951

a.e.e.

Contract Services Section
General Accounting Office
Washington 25, D.C.

Re: Docket No. DMA-1224X - Idm-E97
Trammell Ming Corporation
Exploration Contract

Gentlemen:

Enclosed for recording in your office is the original of an executed Exploration Project Contract between the Operator named in the above reference and the Government of the United States.

Sincerely yours,

BJ
8/8

C. O. Mittendorf

C. O. Mittendorf, Director
Production Expansion Division

FLKnouse/jem

cc to: Admr's Reading File
Messrs. Mittendorf-Olund
Barr
Norton
Laurence, Region VII (2)
Knouse
Reports & Records
Docket

FILE COPY
SURNAME:

Justice

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

August 1, 1951

a.e.c.

Memorandum

To: Director, Production Expansion Division

From: General Counsel

Subject: Trammell Mining Corporation - Docket No. DMA-1224X

The contract in the captioned case is approved as to legal form and sufficiency subject to:

1. Correction of the inconsistency as to the ownership of the land. Paragraph 2(a) indicates that applicant corporation owns the land and that there are no encumbrances thereon. Attached to the contract, however, is a landlord's subordination agreement signed by Charles M. Trammell. If, as seems likely to be the case, the land is owned by Mr. Trammell and leased to the corporation, paragraph 2(a) should be crossed out and paragraph 2(b) reinserted.

2. Government approval of any subcontracts under which work upon the project is to be performed.

3. Proper signature of the contract by the applicant corporation.

4. Dating as of the delivery of the contract to the operator.

Your file is returned herewith.

J. L. Hofflund

J. L. Hofflund
General Counsel

Attachment

RRGuthrie/ema

Copy to: R. R. Guthrie
J. L. Hofflund
Reports & Records Unit
Chron.
Files

delivered by hand

Mr. Lyon

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
Room 13, Post Office Building
Knoxville 01, Tennessee

June 29, 1951

Memorandum

To: Tom Lyon
Chairman, Coordinating Committee
Defense Minerals Administration

From: Robert A. Laurence

Subject: DMA dockets - received June 28, 1951

This will acknowledge receipt of the dockets listed below:

DMA-1224 - DMA-1224X	(Trammell)	Mica
DMA-1662X	(Mashburn)	"
DMA-1664X	(Enloe)	"

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JUL 3 - 1951
LANDON F. STROBEL
Executive Secretary

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 1951
LANDON F. STROBEL
Executive Secretary

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

June 27, 1951

MEMORANDUM

To: Mr. James A. Barr, Sr.

From Mr. A. B. Parsons

Subject: Docket DMA-1224X; Mica
Trammell Mining Corporation
717 Barr Building
Washington 6, D.C.

The prospective available supply of Mica is far short of meeting defense requirements. Consequently, it is highly desirable that explorations for new domestic deposits be stimulated by any reasonable Government assistance to private interests. Any exploration project that holds promise of finding significant new reserves, merits consideration by the Defense Minerals Administration.

A.B. Parsons
Assistant Director
Supply Division

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
INCOMING
JUL 16 1951
MILTON F. SHUBEL
Executive Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION
REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMA-1224X, Trammell Mining Corporation
Newland, Avery County N. C.

By

Kefton H. Teague
U. S. Geological Survey

L. G. Marshall
U. S. Bureau of Mines

June 23, 1951

On-Site Rpt.

Report of Field Team examination on
Cow Camp Mines, Newland, Avery
County, North Carolina

DMA-1224X, Cow Camp Mines - Avery County

The Trammel Mining Company has a lease on approximately 1470 acres of mineral rights which are located 4 to 6 miles southwest of Newland, N. C., (Newland, N.C., 215 SW). On the day the property was examined no guide was supplied the Field Team, thus some of the prospect pits may not have been found. The deposit designated "Cow Camp Mine (South)" was examined and the deposit "Cow Camp Mine (North)" was hastily inspected. Only the "Cow Camp (South)" deposit appears to justify exploration, thus the summary report is confined entirely to it.

"Cow Camp (South)" deposit is located on the headwaters of Cow Camp creek about one-sixth mile east of Cow Camp Gap, immediately south of the Will Robbins home. Mica has been prospected and mined from four places along the south side of a small stream. These openings, which were in the form of open cuts and drifts, are caved and at no place is pegmatite exposed. The size of the old dumps does not indicate extensive underground workings. Material in the dump consists of quartz fragments, plagioclase feldspar, and muscovite. The pegmatite at this place probably is less than five feet in thickness.

No information is available regarding size of book mica obtained when this deposit was in operation. Quality of mica in the dump is excellent, apparently of strategic grade.

DMA-1224K- Cow Camp Mine

It is believed that the pegmatite can be adequately prospected by exposing the pegmatite in the areas of the old workings with a bulldozer. As soon as the bulldozer work is completed it should be possible to obtain access to some of the old drifts and collect data upon the attitude and composition of the pegmatite. Should such data indicate the need for additional information, diamond drill holes should be drilled.

Estimated Costs

1	Bulldozer (contract) @ $100 per day, for 10 days	$1000.
400 feet NX diamond drill holes (4 holes) on contract @ $5.00 per ft. (15 days)		2000.
1	Supervisor$16 per day for 25 days	400.
	Total	$3400.

Total time required 25 days.

DMA-1224-X - Cow Camp Mines , Trammell Mining Corporation

Answers to questions on "Review of Application for Exploration Assistance."

4 - Deposit is located outside main mica-producing belt; however, good quality mica has been obtained from the deposit. Geologic probability for discovery is fairly good.

8 - (a) Manpower available.

(b) Most of recommended prospecting work will be on contract basis.

(c) Accessibility good.

(d) Sufficient water for exploration available.

(e) No power required for exploration

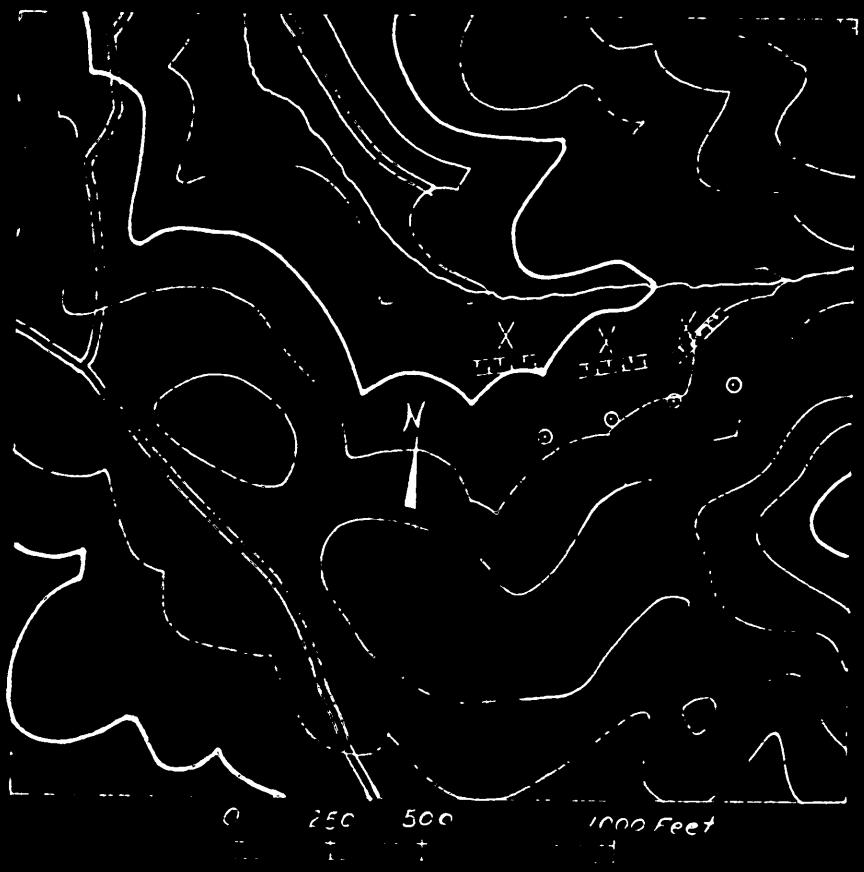
9- Applicant has sufficient mining experience to conduct exploration (A.W. Reid).

10- See description of property and recommendations.

11- No additional facilities required for exploration.

12 - See description of property and recommendations.

13- (e) Recommend exploration work be confined to Cow Camp Mine (South).



Docket 122-1 Proposed Prospecting
Cow Camp Mine (South)

MEMORANDUM

To: Director, Production Expansion Division
Defense Minerals Administration

From: Director, Supply Division
Defense Minerals Administration

Subject: Recommendation for Contract Approval

Name of Applicant: Trammell Mining Corporation
717 Barr Building
Washington 6, D. C.

DMI No. 1224X

Commodity: Mica

Amount Requested: $32,230

Amount Approved: $3,400

Government Participation: 90% $3,060

Tom Lyon
Tom Lyon

FILE COPY
~~SURNAME:~~

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

Barr
Moon
McLaughlin for
Rose

June 20, 1951

Docket
Mailed
6/26/51

Trammell Mining Corporation
717 Barr Building
Washington 6, D.C.

Subject: DMA 1224X
Mica

Gentlemen:

Your application is being referred to Mr. Robert Laurence, Room 13, Post Office Building, Knoxville, Tennessee, Executive Officer of the Field Team, Region VII, for further information.

Sincerely yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RW:mas

cc: Administrator's Reading File
Mr. Strobel
Field Team
Mr. Barr
DMA Files

FILE COPY
SURNAME:

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

June 18, 1951

Mr. Charles M. Trammell
President
Trammell Mining Corporation
717 Barr Building
Washington 6, DC

Subject: DMA-1224X
Re: Exploration Loan
Two Cow Camp Mines and
Lineback Mine

My dear Mr. Trammell:

Receipt is acknowledged of your application and attachments of May 22, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1224X and was referred to Mr. James A. Barr, Chief, Industrial Minerals Branch on May 23, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1224X.

Sincerely yours,

LANDON F. STROBEL
js

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
>Files
Barr
Lyon

6/5/51

Defense Minerals Administration 6-15-51

Review of Application for Exploration Assistance

Docket No. DMA 1224-X

Commodity Mica

Total Amount $32,230.00

Govt. Participation 90%

1. Name and Address of Applicant Trammell Mining Corporation
717 Barr Building
Washington 6, DC

2. Location of Property 4 mi. from Newland, Avery County, North Carolina

3. Mineral or metal mica Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor Rated Poor - Need more information on proposed Geologic exploration work - No information given on sheet

c) None mica. Need further information to warrant

d) Don't know—needs field examination Exploration by field team JAR 6/11/51

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? No

Does the lease have sufficient time to run to cover a future productive period? not stated

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? _____

b) MF-202 attached

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower _____

b) Equipment and supplies _____
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Not given

e) Power (question 13)* Not given

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

_____

Is a field check needed on this point? Yes

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? see draft If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? No description of project given

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? None given

f) Should more information be requested from applicant?_____

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

b) If so, are sufficient data furnished? No If so, attach a draft.

c) Is a field check needed? No - (if visited, check)

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? Equipment excessive for exploration

d) Is a field check needed? Yes

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes - see draft

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? Yes -

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes - too large a crew contemplated

14. Exhibit E (question 23-c)*

a) Is it applicable? No facilities or structures on property

b) Sufficient data? No

c) Reasonable? —

d) Field check needed? Probably no.

15. In your judgment, can the proposed work be done in the proposed time? 60 days - probably not: Two years - yes.

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation. see draft.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? See draft of recommendations.

Reviewed by: [illegible]
B of M

Date 6/15/51

97692

6/8/51

Docket No: DMA 1224X

Sect. 10 Exhibit "A".

No description of an exploration project is given & in the application for a $150,000.00 loan a development & production program is very definitely indicated. This is DMA 1224

So many points in the present outline, from the lease to the equipment planned, are not covered that the application must be returned to the applicant for modification to cover an exploration project.

The additional page added roughly outlines the type of exploration considered — the original trench might be authorized & the decision made as to continuation of the work. Before the bulldozing is commenced a geophysical survey would be advantageous to ascertain the most promising area to test.

The field team, if in this area, should investigate the property of the applicant & advise him about the best method to use to test the ground in the shortest time & at least cost. A modification of the application could then be made.

Only part of the suggested program would be exploration.

Section 11 - Exhibit "B"

As no facilities are on the property now there will probably have to be some protective shelters built. No allowance is made for them in the application except a high estimate for tool houses

Section 12. Exhibit "C".

The equipment listed is in excess of the requirements for an exploration loan & the rent of a bulldozer is probably high (it may include an operator & if so is not far out of line)

6/15/51

DMA 1224 X

Section 13 Exhibit D

The labor listed is excessive for an exploration project - no bookkeeper is required & if a superintendent is employed no foremen are needed. Fewer miners, muckers, blacksmiths etc are needed. This apparently includes men for production operations. The wages listed appear reasonable.

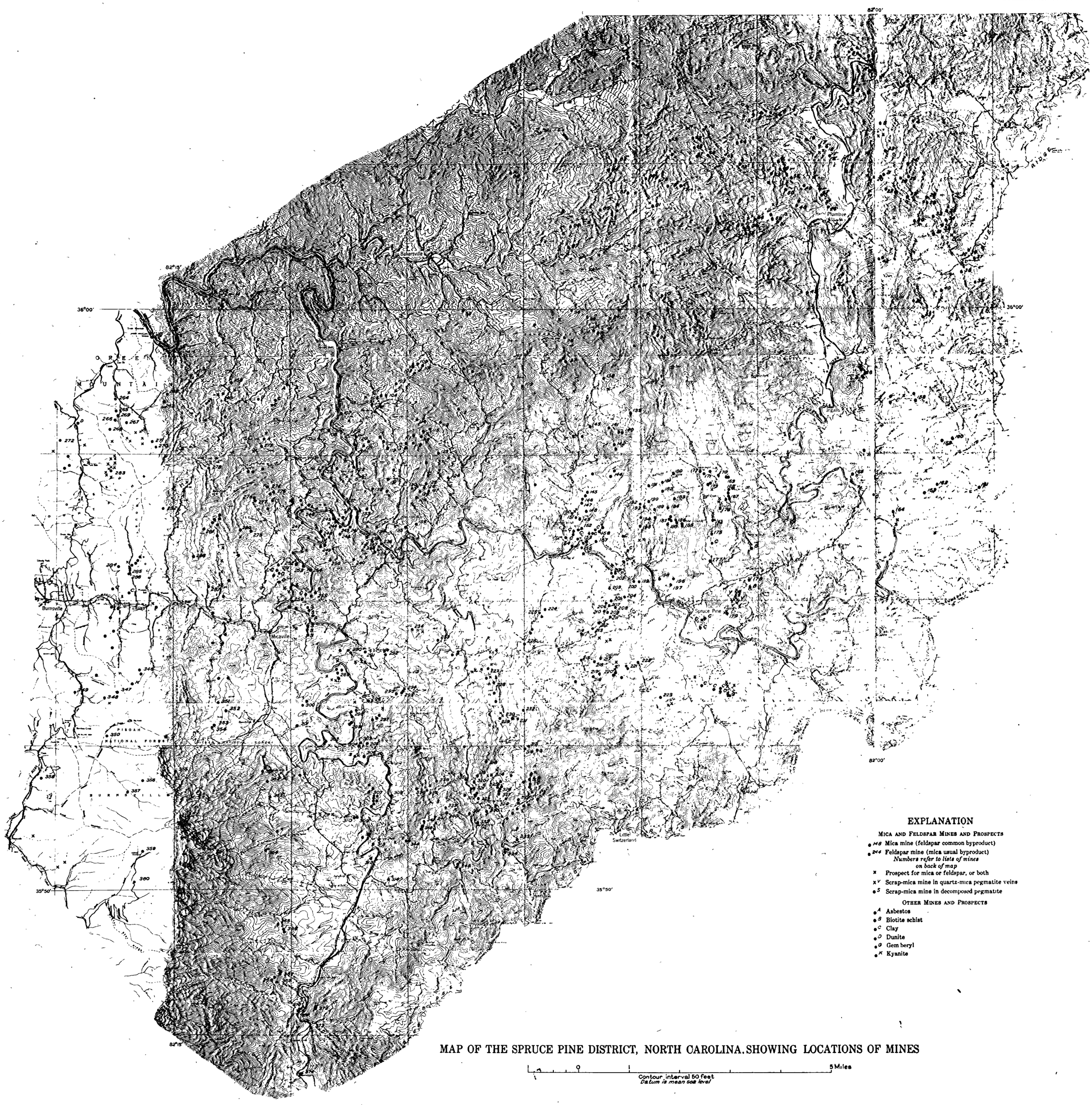
Section 14. Exhibit E

No facilities or structures are on the property so no repairs or rehabilitation is necessary

Section 16 - Recommendations.

The field team while in this area should inspect this property & determine whether it warrants exploration & whether the project planned by the applicant is the proper method to use or if some other procedure will give better results quicker & for less cost. By discussing these points with a representative of the applicant the application can be modified to cover the project in a more definite manner. From the information given it cannot be judged whether or not the application should be approved.

[illegible]



MAP OF THE SPRUCE PINE DISTRICT, NORTH CAROLINA, SHOWING LOCATIONS OF MINES

MINES OF THE SPRUCE PINE DISTRICT, NORTH CAROLINA

ALPHABETICAL LIST

Mines whose production is considered likely to contain an appreciable proportion of clear sheet mica possibly suitable for strategic uses are indicated by the symbols I, II, and III. The symbol I indicates mines most of which produce ruby or white mica of high quality. Mines marked II also produce some mica of high quality, though mostly with different shades of rum color. Mines marked III produce mica that apparently is of good quality but is green or has a pronounced greenish cast.

No.		Name
162	III	"A" (on Brushy Creek)
34		"A" (on Elk Ridge)
20	I	"A" (on Little Elk Ridge)
107	I	Abernathy
220		Adam
45		Aldrich
46		Alfred
250	II	Anglin
252		Anglin, Cornelia
355	I	Autrey
218		Autrey, Al
368	I	Autrey, Bill
17		Avery Brothers
354	I	Ayles Creek
61		Bad Branch
265		Bailey & Johnson
10		Bailey, Dover
307	II	Bailey Mountain (group)
356	I	Balsam
104	II	Banner
85	I	Bardon
235	II	Barger (Spruce Pine No. 21)
326		Barnes
44		Barrett
138		Bartlett
332		Bearden
276	I	Bee Ridge (North)
277	I	Bee Ridge (South)
9		Beech Bottom
33	I	Benfield
77		Bergen Rock
75		Biddix
68	II	Birch
285	I	Bittner
122		Black (east of Lunday)
118		Black (on Rebels Creek)
7		Black (near Senia P. O.)
219		Black (south of Chalk Mountain)
65		Black, Vance
290		Blackjack Ridge
197	III	Blalock
244		Block
207	III	Bloodworth
4	II	Bluff
274		Boone
57		Boonfield
361		Bowditch
237	II	Branch (west of Boonford)
54		Branch (on Little Henson Creek)
163	III	Brushy Creek
316		Buchanan (southeast of Crabtree Mountain)
148	III	Buchanan (or Waterhole)
137		Buchanan, Adam
78		Buchanan, Carter
79		Buchanan, Dobie and Russ
110		Buchanan, Jake
329		Buchanan, Jim
82		Buchanan, Press
39		Buck Hill
98	II	Buckeye (east of McKinney Gap)
236	II	Buckeye (west of Boonford)
335		Buckeye (on Crabtree Creek)
243		Buckeye (south of Kona)
48	I	Bug Rock
149	II	Bunker Hill
76		Burleson (on Middle Ridge)
59	I	Burleson, Charley
305		Burton
161		Butler (east of Brushy Creek mine)
179		Butler (on Tempa Mountain)
322		Carolina Mineral Co. No. 3
323		Carolina Mineral Co. No 3A
321		Carolina Mineral Co. No. 6
318		Carolina Mineral Co. No. 12
320		Carolina Mineral Co. No. 18
331	III	Carolina Mineral Co. No. 20
319		Carolina Mineral Co. No. 29
40		Carpenter, Tom
254		Carroll
253		Carroll, Vance
374	I	Carson Rock
359	I	Cattail
281		Cedarcliff
217	III	Chalk Mountain
56		Champ Rock
51	I	Charlies Ridge
213	III	Cherry Tree
108	I	Chestnut Branch
142		Chestnut Flat
232	II	Chestnut Flats
215	III	Childers
87	I	Clarissa
372		Clear Creek Ridge
353		Clinchfield
94	I	Cloudland
340		Commissary Ridge
113		Conley, Bill
129		Conley, Jim
64		Connahey
203	III	Cook
1	I	Cow Camp (South)
2		Cow Camp (North)
233		Cox (east of Newdale)
96	I	Cox, Ben
228		Cox, Wood
259	I	Curl, Jim
153	II	Davis
199	II	Deake
155	II	Deer Park
257		Deyton, Carroll
309		Dink Rock
170	III	Dogwood Flats
47	II	Doublehead
211	III	Drawbar
70	I	Dugger
194		Duncan, Sam
172		Eagles Nest

ALPHABETICAL LIST—Continued.

No.		Name
303		Edge (southwest of Fawn Mountain)
312		Edge (northeast of Harvard School)
23	I	Elk, Little
24	I	Elk
144		Emily Knob
26		Emmons Knob
167		English Knob
226		Estatoe
27		Fall Branch
127		Fate
21		Field (on Little Elk Ridge)
229		Field (near Hootowl mine)
147	II	Flat Rock
292		Flukens Ridge (at Newdale)
293		Flukens Ridge (east of Fannie Gouge mine)
101	I	Flukens Hill (on Mine Fork)
62		Four Foot Square
346	I	Georges Fork
299	II	Gibbs
313	I	Gibbs, Big
311	II	Gibbs, Myra
301		Gibbs Spar
139	I	Gimbel (east of Bear Creek)
234		Gimbel (northeast of Newdale)
334		Glenn
255		Googrock
231	I	Gopher
363		Goodin, Joe
72		Gouge (south of Bald Mountain)
119		Gouge (on Rebels Creek)
296		Gouge, Fannie (Spruce Pine No. 10)
310		Gouge, Jim
169		Gouge's Creek
352		Grape Hollow
30	II	Grapevine
360	I	Grassy Wood
97	II	Green, Dave
117		Green, George
136		Green, Gibbs
91		Green, Marvin
278	I	Green Mountain
8		Gribble
287	I	Griffin (northeast of Windom)
205	III	Griffin (west of Spruce Pine)
337		Grindstaff, Henry (North)
343		Grindstaff, Henry (South)
294		Gurley (northeast end of 293)
166	III	Gusher Knob
210	III	Guy
306		Hall (north of Bailey Mountain)
273	I	Hall, Andy
124		Hall, John
328		Hall & Boone
248		Hall & Presley
270		Hampton
67		Happy Hill
317		Harlan
83	II	Haw Flat
81	II	Hawk
71	I	Hawk, Little (head of Henson Creek)
80		Hawk, Little (on Hawk Creek)
63	I	Hawk Ruby
189		Hawkins
239	II	Hector
158		Hempile
175		Henline
201		Hickey
251		Higgins
375	I	Hillbilly (5.7 miles southwest of 374)
300	I	Hilliard
325		Hollifield
230		Hootowl
35	I	Hoppey
224		Hoppus (Northeast)
225		Hoppus (Southwest)
258		Horse Ridge
152	II	Horton
92	I	Horton Rock
50		Houston Rock
121	II	Howell, Jeff
260	I	Hughes, William
267		Huskins (east of Pigpen Creek)
266		Huskins (west of Pigpen Creek)
339		James
131		Jarrett, F. G.
114		Jarrett, Ralph
146	II	Jase
186	II	Jimmy Cut
32	I	Johnson
347		Johnson's Cove
271		Jones
52	II	Justice
184		Klondike (north of Spruce Pine)
365	I	Klondike (on Locust Ridge)
66	II	Landers
283	I	Laws
262		Letterman, John (North)
263		Letterman, John (South)
269		Letterman, M. P.
209	III	Lewis, Luke
89	I	Lick Ridge
5		Lick Log
15	II	Lincoln Rock
3		Lineback
366	I	Locust Ridge
222		McChone (East)
221		McChone (West)
183		McClellan
314	II	McDowell, Gaston
130		McKinney (on Rebels Creek)
333		McKinney (East Fork of Crabtree Creek)
111		McNeal
358	I	McPeters, Flem
16		Marie
245		Martin (near Kona)
256		Martin (near Micaville)
19		Meadow
38		Meadow, Big
164	III	Mill Race
150	II	Miller (north of Penland)
208	II	Miller (west of Spruce Pine)
84	II	Mossy Rock
93		Mullins Laurel
123		Murdick
134	I	Murphy Rock (on Rebels Creek)
345	I	Murphy Rock (on Crabtree Creek)
190		Negro
154	III	Number Twelve
12		Oaks Knob
42	II	Pancake

ALPHABETICAL LIST—Continued.

No.		Name
99	I	Pannel
151	II	Pegram
135		Perrin
6		Peru
196	III	Peterson (at Spruce Pine)
261		Peterson (near Green Mountain P. O.)
112		Phillips, Robert
171		Phillips (near Dogwood Flats)
31		Pine Branch
192		Pine Mountain
176	III	Pink
58	I	Pitman (head of Little Henson Creek)
193		Pitman, Mary
181		Pitman Rough
22		Plumtree
298	II	Poll Hill
14	II	Powdermill
214	II	Poteat
249	I	Presley
357	I	Presley, S. W.
246		Presley Spar
241		Presnell, Amos
242	II	Presnell, Amos, Flukens
11		Puncheon Camp
145	II	Putman
223		Queen
100	I	Randall
264		Randolph
348	I	Ray
268		Ray & Deyton
128		Rebel
41		Red (near Ingalls)
302	I	Red (on South Toe River)
206	III	Renfro
195		Richards
182		Riddle (west of Howston Gap)
187		Riddle (east of Sullins Creek)
240	II	Robinson, Charles
344		Sally Knob
371	I	Sawnee Hill
315		Self
13		Shop
125		Sidney
286		Silly
362		Silvers
324		Silvers Ridge
105	I	Sinkhole
28	III	Slippery Elm
308		Smith (east of Bailey Mountain)
351	I	Smith (on Cane Branch)
212	III	Smith, Calhoun
198		Smith, Lissie
168		Soft Ridge
143		Sol
116		Sparks, Clyde
120		Sparks, Jeff
295		Speck
297		Spider
86		Stamey, Charley
90	I	Stevenson, Joe
140		Sugar Tree Cove
185	III	Sullins Rock (group)
103		Thomas
202		Tolley, F. M.
247	II	Tolley Bend
133		Tommy Hole
29		Vance, Freel
37		Vance, Matilda
284		Vance Sugar
73	I	Ward
102	I	Waterhole
204	III	Westall (west of Spruce Pine)
349		Westall (west of Bowlens Creek)
369	I	Westall (on Colbert Ridge)
25	I	White Rock
370	I	Whitson
330	III	Wildcat
109		Williams
350	I	Willie's Shanty
200	III	Willis, Bill
106		Willis (in Bandana Hollow)
115		Willis, Luther
126		Willis, Sugar Dave
132		Wilson (near Kona)
342		Wilson (on Sevenmile Ridge)
96	I	Wilson, Milt
174		Wiseman
43		Wiseman, Honey Waits
55	I	Wolf Ridge
180		Wolfden
36		Woody (north of Pyatte)
188		Woody (east of Sullins Creek)
364		Woody's Ridge
291	II	Young, Boomer Tom
282	I	Young, Charley (west of Shoal Creek)
288	I	Young, Charley (east of Shoal Creek)
338		Young, Charley (on Sevenmile Ridge)
327	III	Young, George
336		Young, Josh
227		Young, Landon
289	II	Young, Little Zeph
304		Young, Wilt
88	II	Young, Zach

UNNAMED MINES

18		North of Meadow mine
49	II	On Doublehead Mountain
53		On Bad Branch
60		On Bad Branch
69	II	North of Birch mine
74		On Middle Ridge
141		West of Sugar Tree Cove mine
156		On Little Bear Creek
157		On Little Bear Creek
159		On Brushy Creek
160		On Brushy Creek
165		Northwest of Kaolin, Inc.
173		On Beaver Creek
177		On Beaver Creek
178		On Biggerstaff Branch
191		Southwest of Wolfden Ridge
216	III	On Chalk Mountain
238	II	West of Boonford
272		West of Mine Fork
275		East of Bye Ridge
279		South of Bee Ridge
280		South of Bee Ridge
341		On Sevenmile Ridge
367		On Colbert Ridge
373	I	Mouth of Clear Creek

NUMERICAL LIST

No.	Name
1	Cow Camp (South)
2	Cow Camp (North)
3	Lineback
4	Bluff
5	Lick Log
6	Peru
7	Black (near Senia P. O.)
8	Gribble
9	Beech Bottom
10	Dover Bailey
11	Puncheon Camp
12	Oaks Knob
13	Shop
14	Powdermill
15	Lincoln Rock
16	Marie
17	Avery Brothers
18	None (north of Meadow mine)
19	Meadow
20	"A" (on Little Elk Ridge)
21	Field (on Little Elk Ridge)
22	Plumtree
23	Little Elk
24	Elk
25	White Rock
26	Emmons Knob
27	Fall Branch
28	Slippery Elm
29	Freel Vance
30	Grapevine
31	Pine Branch
32	Johnson
33	Benfield
34	"A" (on Elk Ridge)
35	Hoppey
36	Woody (north of Pyatte)
37	Matilda Vance
38	Big Meadow
39	Buck Hill
40	Tom Carpenter
41	Red (near Ingalls)
42	Pancake
43	Honey Waits Wiseman
44	Barrett
45	Aldrich
46	Alfred
47	Doublehead
48	Bug Rock
49	None (on Doublehead Mountain)
50	Houston Rock
51	Charlies Ridge
52	Justice
53	None (on Bad Branch)
54	Branch (on Little Henson Creek)
55	Wolf Ridge
56	Champ Rock
57	Boonfield
58	Pitman (head of Little Henson Creek)
59	Charley Burleson
60	None (on Bad Branch)
61	Bad Branch
62	Four Foot Square
63	Hawk Ruby
64	Connahey
65	Vance Black
66	Landers
67	Happy Hill
68	Birch
69	None (north of Birch mine)
70	Dugger
71	Little Hawk (head of Henson Creek)
72	Gouge (south of Bald Mountain)
73	Ward
74	None (on Middle Ridge)
75	Biddix
76	Burleson (on Middle Ridge)
77	Bergen Rock
78	Carter Buchanan
79	Dobie and Russ Buchanan
80	Little Hawk (on Hawk Creek)
81	Hawk
82	Press Buchanan
83	Haw Flat
84	Mossy Rock
85	Bardon
86	Charley Stamey
87	Clarissa
88	Zach Young
89	Lick Ridge
90	Joe Stevenson
91	Marvin Green
92	Horton Rock
93	Mullins Laurel
94	Cloudland
95	Ben Cox
96	Milt Wilson
97	Dave Green
98	Buckeye (east of McKinney Gap)
99	Pannel
100	Randall
101	Flukens Hill (on Mine Fork)
102	Waterhole
103	Thomas
104	Banner
105	Sinkhole
106	Willis (in Bandana Hollow)
107	Abernathy
108	Chestnut Branch
109	Williams
110	Jake Buchanan
111	McNeal
112	Robert Phillips
113	Bill Conley
114	Ralph Jarrett
115	Luther Willis
116	Clyde Sparks
117	George Green
118	Black (on Rebels Creek)
119	Gouge (on Rebels Creek)
120	Jeff Sparks
121	Jeff Howell
122	Black (east of Lunday)
123	Murdick
124	John Hall
125	Sidney
126	Sugar Dave Willis
127	Fate

NUMERICAL LIST—Continued.

No.	Name
128	Rebel
129	Jim Conley
130	McKinney (on Rebels Creek)
131	F. G. Jarrett
132	Wilson (near Kona)
133	Tommy Hole
134	Murphy Rock (on Rebels Creek)
135	Perrin
136	Gibbs Green
137	Adam Buchanan
138	Bartlett
139	Gimbel (east of Bear Creek)
140	Sugar Tree Cove
141	None (west of Sugar Tree Cove mine)
142	Chestnut Flat
143	Sol
144	Emily Knob
145	Putman
146	Jase
147	Flat Rock
148	Buchanan (or Waterhole)
149	Bunker Hill
150	Miller (north of Penland)
151	Pegram
152	Horton
153	Davis
154	Number Twelve
155	Deer Park
156	None (on Little Bear Creek)
157	None (on Little Bear Creek)
158	Hempile
159	None (on Brushy Creek)
160	None (on Brushy Creek)
161	Butler (east of Brushy Creek mine)
162	"A" (on Brushy Creek)
163	Brushy Creek
164	Mill Race
165	None (northwest of Kaolin, Inc.)
166	Gusher Knob
167	English Knob
168	Soft Ridge
169	Gouge's Creek
170	Dogwood Flats
171	Phillips (near Dogwood Flats)
172	Eagles Nest
173	None (on Beaver Creek)
174	Wiseman
175	Henline
176	Pink
177	None (on Beaver Creek)
178	None (on Biggerstaff Branch)
179	Butler (on Tempa Mountain)
180	Wolfden
181	Pitman Rough
182	Riddle (west of Howston Gap)
183	McClellan
184	Klondike (north of Spruce Pine)
185	Sullins Rock (group)
186	Jimmy Cut
187	Riddle (east of Sullins Creek)
188	Woody (east of Sullins Creek)
189	Hawkins
190	Negro
191	None (southwest of Wolfden Ridge)
192	Pine Mountain
193	Mary Pitman
194	Sam Duncan
195	Richards
196	Peterson (at Spruce Pine)
197	Blalock
198	Lissie Smith
199	Deake
200	Bill Willis
201	Hickey
202	F. M. Tolley
203	Cook
204	Westall (west of Spruce Pine)
205	Griffin (west of Spruce Pine)
206	Renfro
207	Bloodworth
208	Miller (west of Spruce Pine)
209	Luke Lewis
210	Guy
211	Drawbar
212	Calhoun Smith
213	Cherry Tree
214	Poteat
215	Childers
216	None (on Chalk Mountain)
217	Chalk Mountain
218	Al Autrey
219	Black (south of Chalk Mountain)
220	Adam
221	McChone (West)
222	McChone (East)
223	Queen
224	Hoppus (Northeast)
225	Hoppus (Southwest)
226	Estatoe
227	Landon Young
228	Wood Cox
229	Field (near Hootowl mine)
230	Hootowl
231	Gopher
232	Chestnut Flats
233	Cox (east of Newdale)
234	Gimbel (northeast of Newdale)
235	Barger (Spruce Pine No. 21)
236	Buckeye (west of Boonford)
237	Branch (west of Boonford)
238	None (west of Boonford)
239	Hector
240	Charles Robinson
241	Amos Presnell
242	Amos Presnell Flukens
243	Buckeye (south of Kona)
244	Block
245	Martin (near Kona)
246	Presley Spar
247	Tolley Bend
248	Hall & Presley
249	Presley
250	Anglin
251	Higgins
252	Cornelia Anglin
253	Vance Carroll
254	Carroll
255	Googrock
256	Martin (near Micaville)
257	Carroll Deyton

NUMERICAL LIST—Continued.

No.	Name
258	Horse Ridge
259	Jim Curl
260	William Hughes
261	Peterson (near Green Mountain P. O.)
262	John Letterman (North)
263	John Letterman (South)
264	Randolph
265	Bailey & Johnson
266	Huskins (west of Pigpen Creek)
267	Huskins (east of Pigpen Creek)
268	Ray & Deyton
269	M. P. Letterman
270	Hampton
271	Jones
272	None (west of Mine Fork)
273	Andy Hall
274	Boone
275	None (east of Bee Ridge)
276	Bee Ridge (North)
277	Bee Ridge (South)
278	Green Mountain
279	None (south of Bee Ridge)
280	None (south of Bee Ridge)
281	Cedarcliff
282	Charley Young (west of Shoal Creek)
283	Laws
284	Vance Sugar
285	Bittner
286	Silly
287	Griffin (northeast of Windom)
288	Charley Young (east of Shoal Creek)
289	Little Zeph Young
290	Blackjack Ridge
291	Boomer Tom Young
292	Flukens Ridge (at Newdale)
293	Flukens Ridge (east of Fannie Gouge mine)
294	Gurley (northeast end of 293)
295	Speck
296	Fannie Gouge (Spruce Pine No. 10)
297	Spider
298	Poll Hill
299	Gibbs
300	Hilliard
301	Gibbs Spar
302	Red (on South Toe River)
303	Edge (southwest of Fawn Mountain)
304	Wilt Young
305	Burton
306	Hall (north of Bailey Mountain)
307	Bailey Mountain (group)
308	Smith (east of Bailey Mountain)
309	Dink Rock
310	Jim Gouge
311	Myra Gibbs
312	Edge (northeast of Harvard School)
313	Big Gibbs
314	Gaston McDowell
315	Self
316	Buchanan (southeast of Crabtree Mountain)
317	Harlan
318	Carolina Mineral Co. No. 12
319	Carolina Mineral Co. No. 29
320	Carolina Mineral Co. No. 18
321	Carolina Mineral Co. No. 6
322	Carolina Mineral Co. No. 3
323	Carolina Mineral Co. No. 3A
324	Silvers Ridge
325	Hollifield
326	Barnes
327	George Young
328	Hall & Boone
329	Jim Buchanan
330	Wildcat
331	Carolina Mineral Co. No. 20
332	Bearden
333	McKinney (East Fork of Crabtree Creek)
334	Glenn
335	Buckeye (on Crabtree Creek)
336	Josh Young
337	Henry Grindstaff (North)
338	Charley Young (on Sevenmile Ridge)
339	James
340	Commissary Ridge
341	None (on Sevenmile Ridge)
342	Wilson (on Sevenmile Ridge)
343	Henry Grindstaff (South)
344	Sally Knob
345	Murphy Rock (on Crabtree Creek)
346	Georges Fork
347	Johnson's Cove
348	Ray
349	Westall (west of Bowlens Creek)
350	Willie's Shanty
351	Smith (on Cane Branch)
352	Grape Hollow
353	Clinchfield
354	Ayles Creek
355	Autrey
356	Balsam
357	S. W. Presley
358	Flem McPeters
359	Cattail
360	Grassy Wood
361	Bowditch
362	Silvers
363	Joe Goodin
364	Woody's Ridge
365	Klondike (on Locust Ridge)
366	Locust Ridge
367	None (on Colbert Ridge)
368	Bill Autrey
369	Westall (on Colbert Ridge)
370	Whitson
371	Sawnee Hill
372	Clear Creek Ridge
373	None (mouth of Clear Creek)
374	Carson Rock
375	Hillbilly (5.7 miles southwest of 374)