DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

## CONTROLLED DOCUMENT

DMA Docket No. 2120

## DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip

To: Code 370 Date 10/2/51

To: _____ Date _____

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To: _____ Date _____

## DO NOT DETACH

## CONTROLLED DOCUMENT

INT.-DUP. SEC., WASH., D.C. 98868

March 31, 1952

Memorandum

To: Mr. Robert E. Adams, Administrative Officer

From: Lawrence G. Houk, Chief, Non-Metallic Minerals Division

Subject: Status of Pending Applications

The following applications have been sent a thirty-day letter, and the time has expired for their reply:

| | |
|---|---|
| DMEA-1859 | DMEA-2198 |
| 2087 | 2303 |
| 2120 | |
| 2122 | |

The above cases are to be considered closed, and the dockets are herewith returned.

The status of the other pending applications is given in the attached memorandum.

Lawrence G. Houk, Chief
Non-Metallic Minerals Division

LGHouk:gad

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU MINERALS ADMINISTRATION
Washington 25, D. C. 600

March 11, 1952

Memorandum

To: Mr. Robert E. Adams, Administrative Officer

From: Lawrence O. Houk, Chief, Non-Metallic Minerals Division

Subject: Status of Pending Applications

The following applications have been sent a thirty-day letter, and the time has expired for their reply:

| | |
|---|---|
| IMEA-1859 | IMEA-2198 |
| 2087 | 2303 |
| 2120 | |
| 2122 | |

The above cases are to be considered closed, and the dockets are herewith returned.

The status of the other pending applications is given in the attached memorandum.

/s/ Lawrence O. Houk
Lawrence O. Houk, Chief
Nonmetallic Minerals Division

FILE COPY
SURNAME:

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

FEB 11 1952

Georgia-Carolina Mica Mining Co., Inc.
1130 C & S Bank Building
Atlanta, Georgia

Subject: Docket No. DMEA-2120
Mica
Dean Mine
Paulding County, Georgia

Gentlemen:

Reference is made to your application for exploration assistance on the Dean Mine in Paulding County, Georgia, and to our letter of October 10, 1951, requesting a sample of mica from the deposit to determine whether or not it qualifies as strategic mica. The sample should be at least 1/4 pound in weight, and consist of a number of pieces. It should be from 1/16 to 1/4 inch in thickness.

You have failed to supply the necessary copies of the lease and the Landlord's Subordination Agreement, Form MF-202, in sextuplicate.

Inasmuch as considerable time has elapsed, we consider it advisable to close the file within thirty days unless we hear from you to the contrary.

Sincerely yours,

SIGNED

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

S.N. 2-11-52

LGHouk:gad
2/11/52

Copy to: Region VII (2)
Admin. Reading File
Mr. Dietrich, 3526
Mr. Norton, G-228, GSA Bldg.
Mr. Houk
Docket File

FILE COPY
SURNAME:

Wynkey
Barr

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

370

OCT 11 1951

Georgia-Carolina Mica Mining Co., Inc.
1130 C & S Bank Building
Atlanta, Georgia

Subject: DMA-2120 - Mica
Dean Mine

Gentlemen:

Regarding your application for aid for an exploration project on mica deposit located in Dean Mine, docketed as DMA-2120, additional information is necessary to enable processing.

Please furnish samples of mica from this deposit so that we may determine whether it qualifies as strategic material.

It will also be necessary to furnish a copy of lease covering the deposit together with executed Landlord's Subordination Agreement, Form DM-202, in sextuplicate.

Sincerely yours,

SIGNED
James A. Barr, Jr., Chief
Industrial Minerals Branch

8/10/11

RWASNEY:mp
10-10-51
cc: Field Team, Region VII (2)
DMA Docket File
Mr. Barr

IN REPLY REFER TO:

G-MD-DHK

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

October 5, 1951

Memorandum

To: Robert Waskey, Defense Minerals Administration

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

Subject: Application DMA-2120 from Georgia-Carolina Mica Mining Company, Inc., to explore the Dean Mine, Paulding County, Georgia, for strategic mica.

The Georgia-Carolina Mica Mining Company application DMA-2120 is for $2331 aid in exploring the Dean Mine, one-quarter mile north of Hiram, Paulding County, Georgia. It is doubtful that this mine can produce strategic grade mica and the application should be denied unless the applicant furnishes mica samples of strategic grade.

The deposit has not been visited by the Geological Survey. In Bulletin 48 of the Georgia State Geological Survey, Furcron and Teague have described the mica as occurring in books as large as 2 by 3 inches, spotted with magnetite, "A" variety, and of "electric" grade. The mica in the quartz core is green, but the books in the wall zone are hard and "light rum" colored. Some books are nearly black from mineral stain.

According to the U. S. Geological Survey records, no mica was sold to Colonial Mica Corporation from Paulding County, Georgia during World War II, which suggests that the mica of the area is non-strategic.

The application should be denied as the mica is apparently not of strategic grade. It is black-stained and the recovery of sheet mica would probably be very low and of small size.

Donald H. Kupfer

Donald H. Kupfer

IN REPLY REFER TO:
G-MD-DHK

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

October 5, 1951

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The application should be denied as the mica is apparently not of strategic grade. It is black-stained and the recovery of sheet mica would probably be very low and of small size.

Donald H. Kupfer

DHKupfer:jeh
G-10/51/51
copy to: Director's Reading file 4212
Branch reading 4212
DMA files
Kupfer G-230

10/2/51

Zeb Angel, Vice President
Georgia-Carolina Mica Mining Co., Inc.
1130 C & S Bank Building
Atlanta, Georgia

Subject: Exploration
Re: DMA-2120 - DEAN MINE

My dear Mr. Angel:

This will acknowledge receipt of your application dated September 18, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2120 and referred to the Industrial Minerals Branch.

Kindly refer to DMA-2120 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

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. Lmal 21210

Date received 10-1-51

Participation

GEORGIA-CAROLINA MICA MINING CO. INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

DEAN MINE

Name and address of applicant

Date 9/18/51

FILL IN THIS BLOCK

Date of application 9/18/51

Estimated cost $2590.00

Mineral or metal strategic mica

Percentage of Government participation 90%

Location of mine One quarter mile north of Hiram Ga. (Paulding County) on copper mine creek.

Date of filing MF-100 9/18/51

DMA Docket Number, if available

## INSTRUCTIONS

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

## THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? 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? Lessee
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. 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. Included in Lease

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.

Georgia-Carolina Mica Mining Co. Inc. By Zeb Angel
(Name of company) (Signature of authorized official)

9/18/51 ZEB ANGEL VICE PRES.
(Date) (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

MF-103 GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

DEAN MINE

7. Lease covers 100 acres, more or less, known as the Dean Mine; dated May 26, 1951, from H. G. House, to C. A. Wynn; more specifically described as lot 763, recorded in Paulding County Georgia, Book 3-K, page 100. Term is 5 years with renewals without limations; 10% royalty and clause owner will sign form MF-202. Lease assigned by C. A. Wynn to applicant corporation.

9. Applicant will invest 10% in accordance wi h M-5.

10. Entire lease will be applied to exploratory contract.

11. Present and past name-Dean Mine.

20. Exploration work will be conducted to uncover Mica pegmatite.

21. Exploration work will consist of bulldozing 15 ft. deep 150 ft. long and 15 ft. wide and cross cuting vein in three places.

22. Geological basis for the exploration has been established through testing and examination by Zeb Angel during the past 30 days.

23. ESTIMATED COST:

| | |
|---|---|
| 120 hours Dozer @ $10.00 | $1200.00 |
| 3 Laborers 20 days @ $8.00 each | 480.00 |
| 1 Working Forman 20 days @ $12.00 | 240.00 |
| Engineer-Superentendent 15 days @ $20.00 | 300.00 |
| Misc. Hand Tools etc. | 180.00 |
| Misc. expenses, payroll taxes, etc. | 190.00 |
| | $2590.00 |

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dmma 21130

Date received 10-1-51

GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

DEAN MINE

Name and address of applicant

Date 9/18/51

## INSTRUCTIONS

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

## GENERAL TECHNICAL DATA

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

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

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

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

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

| Name and Address (a) | Official Title (If officer is also director indicate by "D") (b) | Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c) | Estimated Net Worth Outside of Interest in Applicant (d) | Number of Shares Held in Applicant Corporation: Common (e) | Number of Shares Held in Applicant Corporation: Preferred (f) | Life Insurance Carried for Benefit of Applicant: Amount (g) | Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h) |
|---|---|---|---|---|---|---|---|
| C. A. WYNN ATLANTA, GA | PRES.D TREAS. | | | 125 | | | |
| ZEB ANGEL FRANKLIN, NC | V.P. D | | | 125 | | | |
| F. T. SIERSMA " " | V.P. D | | | 100 | | | |
| J. W. HUFF ATLANTA, GA | SECY. | | | - | | | |
| HELEN BULLARD " " | D | | | - | | | |
| C. P. COPELAND " " | - | | | 50 | | | |
| C. M. COOLEY MARIANNA, FLA | D | | | 100 | | | |
| | Total | | x x x x x | 500 | | 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 | $20,000. | $5,000. | $10.00 | 500 | |
| Preferred stock | $ | $ | $ | | |

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

MF-100 GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BUILDING
ATLANTA, GEORGIA

DEAN MINE

1. Mica

2. Name-Dean Mine
Past workings, over 20 years ago, consist of shafts sunk in south side vein which are now caved in.

3. Located one quarter mile north of Hiram, Georgia (Paulding County) on copper mine creek.

4. Applicant is lessee..

5. Operation will start upon completion of exploration work.

6. Zeb Angel, Vice President of application Corporation is in charge of all mining operations. He has prospected and mined for all types of minerals for the past thirty five years; is thoroughly familar with all phases of this industry.

7. Report of this property appears in "Mica-Bearing Pegmatites of Georgia", Bulletin No. 48 by F. S. Furcron and Kefton H. Teague, 1943 excerps from said report are as follows:

"The pegmatite is exposed in the bed of the copper mine creek where it is at least 40 ft. wide. Early history of the mine is obscure, but it was extensively operated in 1919-20 at which time it is said to have employed 14 men. The main open cut is 100ft. long 20 to 50 ft. wide and elongated in the direction N. 25o E. The west wall caved in several years ago. Several car loads of Mica are said to have been shipped from the mine although the amount of sheet obtained is not known. Books as large as 2 by 3 inches maybe found in the pegmatite at the present time. The mica in the quartz is green but books in the pegmatite are hard and light rum-colored.

13. Shipping and residence points in Hiram, Georgia (one quarter mile good county road).

14. Sufficient water on property for all purposes.

15. Power not needed for exploration purposes.

16. Applicant has not started operation; has no employees.

17. No facilities on property; none owned.

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

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

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

**TOTAL ORE OR MINERAL RESERVES**

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

**CERTIFICATION**

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

GEORGIA-CAROLINA MICA MINING CO. INC.
(Name of company)

By Zeb Angel
(Signature of authorized official)

(9/18/51
(Date)

ZEB ANGEL VICE PRES.
(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

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 21220

Date received 10-1-51

Participation

GEORGIA-CAROLINA MICA MINING CO. INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

DEAN MINE

Name and address of applicant

Date 9/18/51

FILL IN THIS BLOCK

Date of application 9/18/51

Estimated cost $2590.00

Mineral or metal strategic mica

Percentage of Government participation 90%

Location of mine One quarter mile north of Hiram Ga. (Paulding County) on copper mine creek.

Date of filing MF-100 9/18/51

DMA Docket Number, if available

## INSTRUCTIONS

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

## THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? 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? Lessee
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. 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. Included in Lease

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.

GEORGIA*CAROLINA MICA MINING CO. INC. By Zeb Angel
(Name of company) (Signature of authorized official)

9/18/51 Zeb Angel Vice Pres.
(Date) (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

MF-103 GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

DEAN MINE

7. Lease covers 100 acres, more or less, known as the Dean Mine; dated May 26, 1951, from H. G. House, to C. A. Wynn; more specifically described as lot 763, recorded in Paulding County Georgia, Book 3-K, page 100. Term is 5 years with renewals without limations; 10% royalty and clause owner will sign form MF-202. Lease assigned by C. A. Wynn to applicant corporation.

9. Applicant will invest 10% in accordance wi h M-5.

10. Entire lease will be applied to exploratory contract.

11. Present and past name-Dean Mine.

20. Exploration work will be conducted to uncover Mica pegmatite.

21. Exploration work will consist of bulldozing 15 ft. deep 150 ft. long and 15 ft. wide and cross cuting vein in three places.

22. Geological basis for the exploration has been established through testing and examination by Zeb Angel during the past 30 days.

23. ESTIMATED COST:

| | |
|---|---|
| 120 hours Dozer @ $10.00 | $1200.00 |
| 3 Laborers 20 days @ $8.00 each | 480.00 |
| 1 Working Forman 20 days @ $12.00 | 240.00 |
| Engineer-Superentendent 15 days @ $20.00 | 300.00 |
| Misc. Hand Tools etc. | 180.00 |
| Misc. expenses, payroll taxes, etc. | 190.00 |
| | $2590.00 |

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 21020

Date received 10-1-51

Participation

GEORGIA-CAROLINA MICA MINING CO. INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

DEAN MINE

Name and address of applicant

Date 9/18/51

FILL IN THIS BLOCK

Date of application 9/18/51

Estimated cost $2590.00

Mineral or metal Strategic Mica

Percentage of Government participation 90%

Location of mine One quarter mile north of Hiram G. (Paulding County) on copper mine creek.

Date of filing MF-100 9/18/51

DMA Docket Number, if available

## INSTRUCTIONS

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

## THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? 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? Lessee

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. 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. Included in Lease

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

GEORGIA-CAROLINA MICA MINING CO. INC. By Zeb Angel
(Name of company) (Signature of authorized official)

9/18/51 ZEB ANGEL VICE PRES.
(Date) (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

MF-103 GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

DEAN MINE

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9. Applicant will invest 10% in accordance with M-5.

10. Entire lease will be applied to exploratory contract.

11. Present and past name-Dean Mine.

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21. Exploration work will consist of bulldozing 15 ft. deep 150 ft. long and 15 ft. wide and cross cuting vein in three places.

22. Geological basis for the exploration has been established through testing and examination by Zeb Angel during the past 30 days.

23. ESTIMATED COST:

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| Misc. Hand Tools etc. | 180.00 |
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| | $2590.00 |

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. Dmal 21210

Date received 10-1-51

Participation

GEORGIA-CAROLINA MICA MINING CO. INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

DEAN MINE

Name and address of applicant

Date 9/18/51

FILL IN THIS BLOCK

Date of application 9/18/51

Estimated cost $2590.00

Mineral or metal strategic mica

Percentage of Government participation 90%

Location of mine One quarter mile north of Hiram Ga. (Paulding County) on copper mine creek.

Date of filing MF-100 9/18/51

DMA Docket Number, if available

## INSTRUCTIONS

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16—64067-1

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## CERTIFICATION

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GEORGIA-CAROLINA MICA MINING CO. INC. By [signature]
(Name of company) (Signature of authorized official)

9/18/51 Zeb Angel Vice Pres.
(Date) (Title)

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*Same as footnote on page 1.

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

MF-103 GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BLDG.
ATLANTA, GEORGIA

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22. Geological basis for the exploration has been established through testing and examination by Zeb Angel during the past 30 days.

23. ESTIMATED COST:

| | |
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| 120 hours Dozer @ $10.00 | $1200.00 |
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| 1 Working Forman 20 days @ $12.00 | 240.00 |
| Engineer-Superentendent 15 days @ $20.00 | 300.00 |
| Misc. Hand Tools etc. | 180.00 |
| Misc. expenses, payroll taxes, etc. | 190.00 |
| | $2590.00 |

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

Form approved.
Budget Bureau No. 42-R1026.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 1951

# GENERAL TECHNICAL DATA

# FOR USE UNDER THE

# DEFENSE PRODUCTION ACT OF 1950

OCT 15 9 31 AM '51

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma/21/20

Date received 10-15-51

GEORGIA-CAROLINA MICA MINING CO. INC.
1130 C & S BANK BLDG.
ATLANTA, GA.

DEAN MINE

Name and address of applicant

Date 9/18/51

## INSTRUCTIONS

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

## GENERAL TECHNICAL DATA

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

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

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

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

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

| Name and Address (a) | Official Title (If officer is also director indicate by "D") (b) | Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c) | Estimated Net Worth Outside of Interest in Applicant (d) | Number of Shares Held in Applicant Corporation: Common (e) | Number of Shares Held in Applicant Corporation: Preferred (f) | Life Insurance Carried for Benefit of Applicant: Amount (g) | Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h) |
|---|---|---|---|---|---|---|---|
| C. A. WYNN ATLANTA, GA | PRES. D TREAS. | | | 125 | | | |
| EB ANGEL FRANKLIN, NC | V.P. D | | | 125 | | | |
| . T. SIERSMA " " | V.P. D | | | 100 | | | |
| . W. HUFF ATLANTA, GA. | SECY. | | | - | | | |
| ELEN BULLARD " " | D | | | - | | | |
| . P. COPELAND " " | - | | | 50 | | | |
| . M. COOLEY MARIANNA, FLA. | D | | | 100 | | | |
| | Total | | x x x x x | 500 | | 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 | 20,000. | 5,000. | $10.00 | 500 | |
| Preferred stock | $ | $ | $ | | |

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

MF-100 GEORGIA-CAROLINA MICA MINING CO., INC.
1130 C & S BANK BUILDING
ATLANTA, GEORGIA

DEAN MINE

1. Mica

2. Name-DEAN MINE
Past workings, over 20 years ago, consist of shafts sunk in south side vein which are now caved in

3. Located one quarter mile north of Hiram, Georgia (Paulding County) on copper mine creek.

4. Applicant is lessee.

5. Operation will start upon completion of exploration work.

6. Zeb Angel, Vice President of application Corporation is in charge of all mining operations. He has prospected and mined for all types of minerals for the past thirty five years; is thoroughly familiar with all phases of this industry.

7. Report of this property appears in "Mica-Bearing Pegmatites of Georgia", Bulletin No. 48 by F. S. Furcron and Kefton H. Teague, 1943 excerps from said report are as follows:

> "The pegmatite is exposed in the bed of the copper mine creek where it is at least 40 ft. wide. Early history of the mine is obscure, but it was extensively operated in 1919-20 at which time it is said to have employed 14 men. The main open cut is 100ft. long 20 to 50 ft. wide and elongated in the direction N. 25o E. The west wall caved in several years ago. Several car loads of Mica are said to have been shipped from the mine although the amount of sheet obtained is notknown. Books as large as 2 by 3 inches maybe found in the pegmatite at the present time. The mica in the quartz is green but books in the pegmatite are hard and light rum-colored."

13. Shipping and residence points in Hiram, Georgia ( one quarter mile good county road).

14. Sufficient water on property for all purposes.

15. Power not needed for exploration purposes.

16. Applicant has not started operation; has no employees.

17. No facilities on property; none owned.

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

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

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

**TOTAL ORE OR MINERAL RESERVES**

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

**CERTIFICATION**

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

Georgia-Carolina Mica Mining Co. Inc.
(Name of company)

By Zeb Angel
(Signature of authorized official)

9/18/51
(Date)

Zeb Angel Vice Pres.
(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

Form MF-100
(May 1951)

# U. S. DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 1951

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dmm 21120

Date received 10-15-51

GEORGIA-CAROLINA MICA MINING CO. INC.
1130 C & S BANK BLDG.
ATLANTA, GA.

DEAN MINE

Name and address of applicant

Date 9/18/51

## INSTRUCTIONS

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

## GENERAL TECHNICAL DATA

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

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

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

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

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

| Name and Address (a) | Official Title (If officer is also director indicate by "D") (b) | Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c) | Estimated Net Worth Outside of Interest in Applicant (d) | Number of Shares Held in Applicant Corporation: Common (e) | Number of Shares Held in Applicant Corporation: Preferred (f) | Life Insurance Carried for Benefit of Applicant: Amount (g) | Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h) |
|---|---|---|---|---|---|---|---|
| C. A. WYNN ATLANTA, GA | PRES. D TREAS. | | | 125 | | | |
| ZEB ANGEL FRANKLIN, NC | V.P. D | | | 125 | | | |
| F. T. SIERSMA " " | V.P. D | | | 100 | | | |
| J. W. HUFF ATLANTA, GA. | SECY. | | | - | | | |
| HELEN BULLARD " " | D | | | - | | | |
| C. P. COPELAND " " | - | | | 50 | | | |
| C. M. COOLEY MARIANNA, FLA. | D | | | 100 | | | |
| | Total | | x x x x x | 500 | | x x x x x | x x x x x |

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Georgia-Carolina mica Mining Co. Inc.
(Name of company)

By Zeb Angel
(Signature of authorized official)

9/18/51
(Date)

Zeb Angel Vice Pres.
(Title)

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