DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip Bauxite

CONTROLLED DOCUMENT
Hoop

DMEA ~~XXXX~~ Docket No. 2270

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:	MR. ELLIS RM. 4070 RARE & MISC. METALS	Date 12-4-51
To:		Date
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DO NOT DETACH

CONTROLLED DOCUMENT

5501 Asher Avenue
Little Rock, Arkansas
December 21, 1951

Defense Minerals Administration
Washington 25, D. C.

Attention: Robert E. Adams,
Acting Administrative Officer

Gentlemen: Re: DMEA #2270 - Exploration loan

I am in receipt of your letter (without date) requesting total cost on the project mentioned in the above application. I have in mind the following as my first project:--

Drilling on the land of Will and Ruth Winkler, described as follows: Southwest Quarter of the Northwest Quarter (SW¼ NW¼) of Section Thirty-two (32), Township One (1) South, Range Thirteen (13) West, Saline County, Arkansas (40 acres).

I estimate the following work on this job:

180 feet of over-burden at $1 per foot	$ 180.00
20 feet of coring at $4 per foot	80.00
	$ 260.00 per hole.

I propose to drill eight holes, each 200 feet deep, which would make the total cost run $2,080. Of this amount, I will pay one-half or $1,040, and will apply for the other one-half to be paid under this application.

MULLENS BROS. DRILLING COMPANY

By Troy Mullens
Partner

mak

600 APR 21 1952

Mr. Troy Mullens
Mullens Brothers Drilling Co.
5501 Asher Avenue
Little Rock, Arkansas

Subject: Docket No. DMEA-2270 - Bauxite
Mullens Brothers Drilling Co.
Saline and Pulaski Counties
Arkansas

Dear Mr. Mullens:

Reference is made to your application for exploration assistance on various bauxite deposits in Saline and Pulaski Counties, Arkansas, and our letter of January 21, 1952 requesting additional information on the subject application.

Inasmuch as considerable time has elapsed since we wrote you, and since we have had no reply, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data have not been received by May 19, we will then consider the docket closed.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

LGHouk:gad 4/21/52

Copy to: Admin. Reading File
Docket File
Mr. D. D. Blue, 3415
Mr. R. P. Bryson, G-232 GSA Bldg.
Mr. Houk

no reply to ltr of
4/21/52

DOCKET CLOSED

3/52

No reply to our ltr of 4/21/52.

DOCKET CLOSED

More historical data & production data
& yardage of material to be moved.
property description,
amount sold & to whom
why he expects strategic mica

More information coming
in 12/13

FILE COPY
SURNAME:

Houk

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

APR 21 1952

Mr. Troy Mullens
Mullens Brothers Drilling Co.
5501 Asher Avenue
Little Rock, Arkansas

Subject: Docket No. DMEA-2270 - Bauxite
Mullens Brothers Drilling Co.
Saline and Pulaski Counties
Arkansas

Dear Mr. Mullens:

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Sincerely yours,

C. O. Mittendorf (for) J.N. 4-21-52

Acting Administrator
Defense Minerals Exploration
Administration

LGHouk:gad 4/21/52

Copy to: Admin. Reading File
Docket File
Mr. D. D. Blue, 3415
Mr. R. P. Bryson, G-232 GSA Bldg.
Mr. Houk

FILE COPY
SURNAME:

Houk
Con

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

January 21, 1952

Mr. Troy Mullens
Mullens Brothers Drilling Co.
5501 Asher Avenue
Little Rock, Arkansas

DMEA-2270

Dear Mr. Mullens:

Your application for exploration assistance on bauxite of various deposits in Saline and Pulaski Counties, Arkansas, and your letter request of December 21, and January 16, for exploration aid on the Will and Ruth Winkler property, has been reviewed by this office.

Your original proposals on Forms MF-100, and MF-103 are too general to properly process. Your application for exploration assistance for Will and Ruth Winkler should be filled out on Form MF-100 as should each separate subsequent project. You must supply a copy of the lease together with a Subordination Agreement from the lessor.

You will find enclosed six copies of MF-100, MF-103, and MF-201. Each question in the Form MF-100 and MF-103 should be answered in as great detail as is possible. In such cases as you are unable to answer the questions, state so. It is important that you supply us with cost estimates requested in questions six to nine, MF-103.

When the above information has been received, we will process your application.

Sincerely yours,

SIGNED

1-22-52

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

Enclosures 18
LGHouk:gad
Copy to: Admin. Reading File
Mr. D. D. Blue, 3415
Mr. R. P. Bryson, G-232 GSA Bldg.
Docket File

5501 Asher Avenue
Little Rock, Ark.
January 16, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 17 1952

Defense Minerals Administration
Washington 25, D.C.

Attention: Robert E. Adams
Acting Administrative Officer

Gentlemen: Re: DMEA #2270 - Exploration loan

We wrote you on December 21st, 1951, as follows:

"I am in receipt of your letter (without date) requesting total cost on the project mentioned in the above application. I have in mind the following as my first project:--

Drilling on the land of Will & Ruth Winkler, described as follows: Southwest Quarter of the Northwest Quarter (SW$\frac{1}{4}$ NW$\frac{1}{4}$) of Section Thirty-two (32), Township One (1) South, Range Thirteen (13) West, Saline County, Arkansas (40 acres).

I estimate the following work on this job:

180 feet of over-burden at $1 per foot	$180.00
20 feet of coring at $4 per foot	80.00
	$260.00 per hole.

"I propose to drill eight holes, each 200 feet deep, which would make the total cost run $2,080. Of this amount, I will pay one-half or $1,040, and will apply for the other one-half to be paid under this application."

Please let us have an answer from you on this as soon as possible.

MULLENS BROS. DRILLING COMPANY

By Troy Mullens
Partner

SA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DEC 26 1951

5501 Asher Avenue
Little Rock, Arkansas
December 21, 1951

Non-Metallics

Defense Minerals Administration
Washington 25, D. C.

Attention: Robert E. Adams,
Acting Administrative Officer

Barite

Gentlemen:

Re: DMEA #2270 - Exploration loan

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MULLENS BROS. DRILLING COMPANY

By Troy Mullens
Partner

mak

5501 Asher Avenue
Little Rock, Arkansas
December 21, 1951

Defense Minerals Administration
Washington 25, D. C.

Attention: Robert E. Adams,
Acting Administrative Officer

Gentlemen: Re: DMSA #2270 - Exploration loan

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MULLENS BROS. DRILLING COMPANY

By Troy Mullens
Partner

mak

5501 Asher Avenue
Little Rock, Arkansas
December 21, 1951

Defense Minerals Administration
Washington 25, D. C.

Attention: Robert E. Adams,
Acting Administrative Officer

Gentlemen: Re: DMEA #2270 - Exploration loan

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MULLENS BROS. DRILLING COMPANY

By Troy Mullens
Partner

mak

Subject: DMEA-2270
Re: Exploration Loan

Mr. Troy Mullens, Partner
Mullens Brothers Drilling Co.
5501 Asher Avenue
Little Rock, Arkansas

My dear Mr. Mullens:

This will acknowledge receipt of your application dated November 21, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2270 and referred to the Rare & Miscellaneous Metals Branch.

Kindly refer to DMEA-2270 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Acting
Administrative Officer
Defense Minerals Exploration
Administration

7862

DMEA 2270

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

DEC 3 8 36 AM '51

NOV 3? 8 34 AM '51

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

5501 Asher Avenue
Little Rock, Arkansas
November 21, 1951

Defense Minerals Administration
Washington 25, D. C.

Gentlemen:

In compliance with the letter of David Gallagher, DMA Field Team, Region VI, Joplin, Missouri, I enclose herewith four copies of forms MF-100 and MF-103. To give you a clearer picture of just what I have in mind, in addition to what I have been able to state on the enclosed forms, I give you these additional facts:

Claude Mullens and I are the owners of a rotary drilling rig with coring device. We have for the past seven years been engaged in the business of drilling for bauxite in Pulaski and Saline Counties, Arkansas, and have during that period discovered large quantities of bauxite.

At present, we have offers of leases from various owners of land in the Bauxite area who desire that we explore their lands for bauxite. These land owners are unable to finance the usual drilling contracts upon their lands and desire aid under the government program in order that they may obtain the exploration work.

It is our understanding that the government will advance 50% of the costs of these operations. The cost of such operations is $1 per foot for drilling earth overburden and $4 per foot for coring. The other one-half of the costs of these operations would be borne by us under a contract for participation in the mineral rights of the land owners.

If the forms as filled out do not meet your requirements, I will appreciate your advising me what additional information is necessary.

The demand for bauxite is good at present and a number of owners of what may prove to be bauxite lands are anxious to develop their holdings and deliver their ore to those desiring it.

MULLENS BROS. DRILLING COMPANY

By Troy Mullens
Partner

mak
Encl.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA 2270
Metal or Mineral
Date Received 12-3-51
Amount $
Participation (Government %)

Name and address of applicant

Mullens Bros. Drilling Company
5501 Asher Avenue
Little Rock, Arkansas

Date November 21, 1951

If you have already filed MF-100, give date filed ....., type of assistance requested 50% drilling expense.

DMA Docket Number (if available) .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. Various

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.
   To be obtained is provision made for drilling.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find? Bauxite

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

See attached sheet.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

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.

Mullens Bros. Drilling Company
5501 Asher Avenue, Little Rock, Ark.
(Name of company)

By Troy Mullens
(Signature of authorized official)

November 21, 1951
(Date)

Partner
(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—64067-2

(TO BE ATTACHED TO FORM MF-103)

We are unable to answer questions 3 thru 11 below. We have not entered into any of these contracts and will not do so unless arrangements can be made for the owners of the land to put up one half of the drilling costs. When this is done, contracts will be entered into with such individuals, at which time descriptions of their property can be furnished.

The work to be done will be the drilling of their lands, coring for samples when bauxite is struck and the analysis of the samples taken from the land.

Equipment is owned by us and will be furnished without charge on the project. Three men will be furnished on the job and their wages and salaries will be included in the per foot cost of drilling and coring. Also all costs of supplies--power, water and like items--will be included in the per foot cost of drilling.

I will be able to furnish one-half of the costs of all projects undertaken by me.

MULLENS BROS. DRILLING COMPANY

By Troy Mullens
Partner

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. DMEA 2276

Date received 12-3-51

Mullens Bros. Drilling Company
5501 Asher Avenue
Little Rock, Arkansas

Name and address of applicant

Date November 21, 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) 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? Bauxite
   (*b*) What are the byproducts, if any? None
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: Core drilling
   (*a*) Linear feet of shafts. From 100 to 400 feet
   (*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: Various in Saline and Pulaski Counties, Arkansas.
   (*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. No
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production No production from these lands at this time.
   If not in production or operation, estimated date when production will begin as soon as financed.
6. Experience of operators: 4 yrs. drilling for government and 3 yrs. for private parties
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: Approximately 90% of bauxite produced in USA is in this area.
   (*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)
Troy Mullens	Partner			Partnership		2,000	1,200
Claude Mullens	"	8,000					
	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: None

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Mullens Bros. Drilling Company
5501 Asher Avenue, Little Rock, Ark.
(Name of company)

By Geo. Mullens
(Signature of authorized official)

November 21, 1951
(Date)

Partner
(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

5501 Asher Avenue
Little Rock, Arkansas
November 21, 1951

Defense Minerals Administration
Washington 25, D. C.

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It is our understanding that the government will advance 50% of the costs of these operations. The cost of such operations is $1 per foot for drilling earth overburden and $4 per foot for coring. The other one-half of the costs of these operations would be borne by us under a contract for participation in the mineral rights of the land owners.

If the forms as filled out do not meet your requirements, I will appreciate your advising me what additional information is necessary.

The demand for bauxite is good at present and a number of owners of what may prove to be bauxite lands are anxious to develop their holdings and deliver their ore to those desiring it.

MULLENS BROS. DRILLING COMPANY

By Troy Mullens
Partner

mak
Encl.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. D.M.E.A.-2270
Metal or Mineral
Date Received 12-3-51
Amount $
Participation (Government %)

Mullens Bros. Drilling Company
5501 Asher Avenue
Little Rock, Arkansas

Name and address of applicant

Date November 21, 1951

If you have already filed MF-100, give date filed ....., type of assistance requested 50% drilling expense.

DMA Docket Number (if available) .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. Various

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. To be obtained is provision made for drilling.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find? Bauxite

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION. See attached sheet.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

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.

Mullens Bros. Drilling Company
5501 Asher Avenue, Little Rock, Ark.
(Name of company)

By Troy Mullens
(Signature of authorized official)

November 21, 1951
(Date)

Partner
(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—64067-2

(TO BE ATTACHED TO FORM MF-103)

We are unable to answer questions 3 thru 11 below. We have not entered into any of these contracts and will not do so unless arrangements can be made for the owners of the land to put up one half of the drilling costs. When this is done, contracts will be entered into with such individuals, at which time descriptions of their property can be furnished.

The work to be done will be the drilling of their lands, coring for samples when bauxite is struck and the analysis of the samples taken from the land.

Equipment is owned by us and will be furnished without charge on the project. Three men will be furnished on the job and their wages and salaries will be included in the per foot cost of drilling and coring. Also all costs of supplies--power, water and like items--will be included in the per foot cost of drilling.

I will be able to furnish one-half of the costs of all projects undertaken by me.

MULLEN BROS. DRILLING COMPANY

By Troy Mullen
Partner

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. OMEA2270

Date received 12-3-51

Mullens Bros. Drilling Company
5501 Asher Avenue
Little Rock, Arkansas

Name and address of applicant

Date November 21, 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) 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? Bauxite
   (*b*) What are the byproducts, if any? None
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: Core drilling
   (*a*) Linear feet of shafts. From 100 to 400 feet
   (*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: Various in Saline and Pulaski Counties, Arkansas.
   (*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. No
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production No production from these lands at this time.
   If not in production or operation, estimated date when production will begin as soon as financed.
6. Experience of operators: 4 yrs. drilling for government and 3 yrs. for private parties
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: Approximately 90% of bauxite produced in USA is in this area.
   (*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)
Troy Mullens	Partner	8,000		Partnership		2,000	1,200
Claude Mullens	"						
	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: None

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

CERTIFICATION

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

Mullens Bros. Drilling Company
~~5501 Asher Avenue, Little Rock,~~ Ark.
(Name of company)

By Troy Mullens
(Signature of authorized official)

November 21, 1951
(Date)

Partner
(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
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. O.M.E.A-2270
Metal or Mineral
Date Received 12-3-51
Amount $
Participation (Government %)

Name and address of applicant

Mullens Bros. Drilling Company
5501 Asher Avenue
Little Rock, Arkansas

Date November 21, 1951

If you have already filed MF-100, give date filed ....., type of assistance requested 50% drilling expense.,

DMA Docket Number (if available) .....

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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. Various

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application. To be obtained is provision made for drilling.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find? Bauxite

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION. See attached sheet.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

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.

Mullens Bros. Drilling Company
5501 Asher Avenue, Little Rock, Ark.
(Name of company)

By Troy Mullens
(Signature of authorized official)

November 21, 1951
(Date)

Partner
(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—64067-2

(TO BE ATTACHED TO FORM MF-103)

We are unable to answer questions 3 thru 11 below. We have not entered into any of these contracts and will not do so unless arrangements can be made for the owners of the land to put up one half of the drilling costs. When this is done, contracts will be entered into with such individuals, at which time descriptions of their property can be furnished.

The work to be done will be the drilling of their lands, coring for samples when bauxite is struck and the analysis of the samples taken from the land.

Equipment is owned by us and will be furnished without charge on the project. Three men will be furnished on the job and their wages and salaries will be included in the per foot cost of drilling and coring. Also all costs of supplies--power, water and like items--will be included in the per foot cost of drilling.

I will be able to furnish one-half of the costs of all projects undertaken by me.

MULLEN BROS. DRILLING COMPANY

By Troy Mullen
Partner

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. DMEA 2270

Date received 12-3-51

Mullens Bros. Drilling Company
5501 Asher Avenue
Little Rock, Arkansas

Name and address of applicant

Date November 21, 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) 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? Bauxite
   (*b*) What are the byproducts, if any? None
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: Core drilling from 100 to 150 feet
   (*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: Various in Saline and Pulaski Counties, Arkansas.
   (*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. No
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production No production from these lands at this time.
   If not in production or operation, estimated date when production will begin. as soon as financed.
6. Experience of operators: 1 yrs. drilling for government and 3 yrs. for private parties
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Approximately 90% of bauxite produced in USA is in this area.
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.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA 2270
Metal or Mineral
Date Received 12-3-51
Amount $
Participation (Government %)

Name and address of applicant

Mullens Bros. Drilling Company
5501 Asher Avenue
Little Rock, Arkansas

Date November 21, 1951

If you have already filed MF-100, give date filed ....., type of assistance requested 50% drilling expense.

DMA Docket Number (if available) .....

INSTRUCTIONS

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1. (*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. Various

   (*b*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property, with each copy of your application. To be obtained is provision made for drilling.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find? Bauxite

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION. See attached sheet.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

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.

Mullens Bros. Drilling Company
5501 Asher Avenue, Little Rock, Ark.
(Name of company)

By Troy Mullens
(Signature of authorized official)

November 21, 1951
(Date)

Partner
(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—64067-2

(TO BE ATTACHED TO FORM MF-103)

We are unable to answer questions 3 thru 11 below. We have not entered into any of these contracts and will not do so unless arrangements can be made for the owners of the land to put up one half of the drilling costs. When this is done, contracts will be entered into with such individuals, at which time descriptions of their property can be furnished.

The work to be done will be the drilling of their lands, coring for samples when bauxite is struck and the analysis of the samples taken from the land.

Equipment is owned by us and will be furnished without charge on the project. Three men will be furnished on the job and their wages and salaries will be included in the per foot cost of drilling and coring. Also all costs of supplies--power, water and like items--will be included in the per foot cost of drilling.

I will be able to furnish one-half of the costs of all projects undertaken by me.

MULLEN BROS. DRILLING COMPANY

By Troy Mullens
Partner

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. DMEA-2270

Date received 12-3-51

Mullens Bros. Drilling Company
5801 Asher Avenue
Little Rock, Arkansas

Name and address of applicant

Date November 21, 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) 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? Bauxite
   (*b*) What are the byproducts, if any? None
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: Oil Drilling
   (*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. Pulaski County, Arkansas.
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. No
   (*b*) Are you operating this property as:
   ☒ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production No production from these lands at this time. As soon as financed.
   If not in production or operation, estimated date when production will begin and 5 yrs. for private parties
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. Approximately 50% of bauxite produced in USA is in this area.
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.