FILE COPY
SURNAME:

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

Mr. Beulon Holland
National Miners' Association
Highlands Road at Main Street
Franklin, North Carolina

Dear Mr. Holland:

This will acknowledge your letter dated January 18, 1952, requesting return of a map submitted by A. W. Reid with his application for exploration project, DMA-1181X.

In accordance with your request the subject map is enclosed.

Sincerely yours,

SIGNED 1-22-52

Robert E. Adams
Acting Administrative Officer
Defense Minerals Exploration
Administration

Enclosure - 1

REAdams:mp
1/22/52

cc: Mails and Files
Adm. Reading File

NATIONAL MINERS' ASSOCIATION

HIGHLANDS RD. AT MAIN ST.

FRANKLIN, NORTH CAROLINA

A CONFEDERATION OF AMERICAN MINERAL MINERS

ans - R E Adams 1/22/52

ANDREW W. REID
CHAIRMAN
BOARD OF DIRECTORS

ROY H. FOUTS
SECRETARY

HARRY PATTON
TREASURER

FRANK SIERSMA
CHAIRMAN LOCAL
MINING COMMITTEE

JUDGE C. M. TRAMMELL
CONSULTANT
717 BARR BUILDING
WASHINGTON 6, D. C.

January 18, 1952

Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Gentlemen:

Early last year I provided A. W. Reid with an option to purchase my Corundum Hill Mines.

Mr. Reid applied to you for an exploratory loan on May 12, 1951; Docket Number DMA-1181X. Attached to his application was a large map of the property which I had loaned him. Since his application was denied I would appreciate it if you will return the map to me.

Thanking you for your early attention, I am

Sincerely yours,

Beulon Holland

BH:em

Beulon Holland

ADDRESS: Cullasaja, N. C.

A W Reid
(P O Box 189)
Main St / Highlands Rd
Franklin, N C

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
JAN 21 10 17 PM '52

FILE COPY
SURNAME:

Barr

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

[illegible] 1, 1951

[illegible]
[illegible] Corporation
[illegible]
North Carolina

[illegible]

A. W. Reid

A. E. C.

[illegible]

[illegible]

Tom Lyon

[illegible]

[illegible]

cc: Mr. Lyon
Mr. [illegible]
[illegible]

A. W. REID, PRESIDENT

P. O. BOX 489

Pitt Mica Corporation

MICA MINING AND SALES

FRANKLIN, NORTH CAROLINA

answ'd 7/10/51
Lyon

July 5, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 9 - 1951
LANDON F. STROBEL
Executive Secretary

Department of the Interior
Defense Minerals Administration
Washington 25, D. C.

Attention: Mr. Tom Lyon, Director
Supply Div.

Gentlemen:

Reference is being made to your letter of June 15, in which my application (DMA-1181X) for aid for an exploration project on corundum deposit was denied.

From your statements, I gather that the U.S. Geological Survey provided a report from their data on hand and that no recent examination by the Field Team was made.

Understanding as I do now, MO-5 should not have formed the basis for my application. However, because of other mineral recoveries from this property in recent years, I am satisfied that unrecorded corundum veins exist - in sufficient quantities to warrant operation. This information was made part of my application.

I believe an inspection by the Field Team will confirm my examinations and I therefore desire to submit an operating application. I would appreciate it if you will inform me if such an application will receive consideration; in the approximate amount of $75,000.00. The work to be done would have to be about the same as previously stated.

Anticipating your comments in this connection, I am

Sincerely yours,

A. W. Reid

A. W. REID

AWR:em

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

June 20, 1951

Memorandum

To: Executive Secretary

From: Chief, Industrial Minerals Branch

Subject: DMA-1181X - Mr. A. W. Reid, Franklin, N. C.
Corundum

It is recommended that subject application be denied for the following reasons:

1. Proposed work program is essentially development, which does not qualify under MO-5.

2. Extensive U. S. Geological Survey studies indicate the deposit to be nearly exhausted and do not provide a sound geological basis for additional work.

James A. Barr

James A. Barr, Sr.

Approved:

Tom Lyon

Tom Lyon, Director
Supply Division

FILE COPY
SURNAME:

Burn

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

June 20, 1951

RJ Strobel

Memorandum

To: Executive Secretary

From: Chief, Industrial Minerals Branch

Subject: DMA-1181X - Mr. A. W. Reid, Franklin, N. C.
Corundum

It is recommended that subject application be denied for the following reasons:

1. Proposed work program is essentially development, which does not qualify under MO-5.

2. Extensive U. S. Geological Survey studies indicate the deposit to be nearly exhausted and do not provide a sound geological basis for additional work.

James Barr
MB

James A. Barr, Sr.

Approved:

Tom Lyon

Tom Lyon, Director
Supply Division

RW:dak

cc: Mr. Strobel
Mr. Lyon
Mr. Barr
Files

DMA 1181

FILE COPY
SURNAME:

Washington Barn

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

June 15, 1951

Mr. A. W. Reid
P. O. Box 489
Franklin, N. C.

Subject: DMA-1181-X

Dear Mr. Reid:

Your application for aid for an exploration project on corundum deposit located near Franklin, North Carolina and docketed as DMA-1181-X, has been reviewed by this office.

Exploration projects as defined in MO-5, Regulations Governing Government Aid in Defense Exploration Projects, must be confined to work necessary to search for unknown or undeveloped sources of strategic minerals; the work must be confined to a reasonable delineation and sampling of the ore and may not include work prosecuted primarily for mining or preparation for mining. Projects approved by the Defense Minerals Administration must, in its judgment, show definite promise of yielding material of acceptable grade, physical character and specifications in quantities that will significantly improve the mineral supply position for National Defense.

A very careful study of your proposal revealed the following:

1. The work program proposed is essentially mining or preparation for mining and does not come within the scope of exploration as defined in MO-5.

2. The deposit in question has been studied in detail by members of the U. S. Geological Survey. Their data indicates that the corundum veins are few in number, have a very irregular character, and tend to pinch out; that the main ore deposit has been exhausted to a depth of 250 feet and known remaining ore thinning with depth. Their findings do not justify additional exploration work.

Under these circumstances, your application for exploration aid to the extent of 90% of $74,420 is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Sincerely yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RW:dak

cc: Mr. Strobel
Mr. Barr
Files
Mr. Lyon

FILE COPY
SURNAME:

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

May 23, 1951

Mr. A. W. Reid
Pl O. Box 489
Main Street at Highlands Road
Franklin, North Carolina

Subject: DMA-1181X
Re: Exploration Loan -
Corundum Hill Mines

My dear Mr. Reid:

Receipt is acknowledged of your application and attachments of May 12, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1181X and referred to Mr. James A. Barr, Chief, Industrial Minerals Branch on May 17, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1181X.

Sincerely yours,

LANDON F. STROBEL

Landon E Strobel
Executive Secretary

LANDON STROBEL:mab
cc: Strobel-2
Barr
File
Lyon

May 16, 1951

A. W. REID

NORTH CAROLINA

DMA 1181

corundum

DMA 1181

856

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-1181 X

Date received 5/16/51

Participation

A. U. REID
(P. O. Box 489)
Main St. at Highlands Rd.
Franklin, North Carolina.

SECTION "X"
CORUNDUM HILL MINES

Name and address of applicant

Date May 12, 1951

FILL IN THIS BLOCK

Date of application May 12, 1951

Estimated cost $74,420.00

Mineral or metal CORUNDUM

Percentage of Government participation

Location of mine 7 miles southeast of Franklin, North Carolina

Date of filing MF-100 May 4, 1951

DMA Docket Number, if available Dma-1181 X

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

See attached papers for all answers.

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By U. W. Reid (Signature of authorized official)
May 4, 1951 (Date)	Owner (Title)

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

*Same as footnote on page 1.

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

FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

6. There are no liens or encumbrances against the property, other than those recited in "Option to Purchase" by A. W. Reid from present owner - Beulon Holland and Wife. Same covers approximately 600 acres; price - $60,000.00, payable one third in six months and balance in two equal yearly payments. Property includes land and minerals. Option to Purchase includes clause which will subordinate interest of Beulon Holland and Wife to interests of the Government; in event of loan.

9. Applicant will invest 10% in proposed project; sufficient in accordance with Government participation on corundum (Section 9 of Mineral Order 5).

10. See No. 6 above and attached sheets; also map being submitted.

15. Ore will be milled on property, moved by trucks to Franklin (7 miles) and shipped from there by railroad.

20. Exploratory work will be conducted to prepare mine for release of corundum - principally.

21. Proposed work and estimated time explained on attached sheets.

22. Statement for geological basis for progress, together with map, is attached.

23. REQUIREMENTS & COST:

	LABOR	EACH DAILY	TOTAL
(a)	1 Foreman	$20.00	$1,800.00
	2 Miners (drillers)	12.00	2,160.00
	10 Laborers	8.00	7,200.00
	1 Blacksmith	15.00	1,350.00
	1 Blacksmith Helper	10.00	900.00
	1 Bulldozer Operator	18.00	1,620.00
	1 Shovel Operator	18.00	1,620.00
	2 Truck Drivers	10.00	1,800.00
(b)	1 Supertendent	25.00	2,250.00
	1 Bookeeper	15.00	1,350.00
(d)	Tool House & Blacksmith Shop		2,500.00
(e)	1 Bulldozer		15,500.00
	1 Power Shovel Loader		8,500.00
	2 Air Compressors (125 cfm)		6,650.00
	3 Jackhammer Drills		1,035.00
	Steel & Small Tools		2,500.00
	2 Pumps & Lines		1,100.00
	2 Dump Trucks		6,000.00
	1 Pickup Truck		2,000.00
(h)	Powder, Fuse, Exploders etc. ($30.00 per day)		2,700.00
	Gas & Oil ($30.00 per day)		2,700.00
(i)	Taxes & Insurance		1,185.00
	TOTAL REQUIREMENTS		$ 74,420.00

24. Time for exploratory work is estimated at 90 days. Schedule of money expected to be spent is as follows:

IMMEDIATE	$ 47,835.00
20 DAYS	6,375.00
40 DAYS	6,375.00
60 DAYS	6,375.00
80 DAYS	7,460.00

- - - -

FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

5/12/51 STATEMENT BY:

A.W.REID - PRACTICAL GEOLOGIST & MINING ENGINEER

I have mined and operated properties for practically all minerals during the past 30 years and have a complete knowledge of all procedures incident thereto; as well as those connected with the processing of ores for intended purposes.

Most of my activities have been within the minerals belt in, and surrounding Franklin, N. C. I have been intimately aware of the tremendous corundum potentialities of Corundum Hill all my life and have personally considered and examined its possibilities many times. Past workings, through tunnels and shafts, have honeycombed Section "X" (see submitted map) and provide evidence of the great depth and size of the deposit. However, those workings have been mostly on a "jayhawking" basis (robbing out the easy spots) without regard for continued operation.

Corundum Hill is the biggest corundum mine ever discovered in America. Working started in 1870 and tremendous quantities of the ore were released but no records of tonnage are available. My information and knowledge causes me to place a figure of not less one half million tons. Dr. Joseph Hyde Pratt, Geologist, has made an extensive report of these mines in his book "Corundum and the Peridotites of Western North Carolina". He refers to the "Big Vein" - now termed "Section X". He states that "from the various openings, block, crystal and sand corundum ores have been obtained, all of which can be readily cleaned and furnish a commercial product that can be used in the manufacture of corundum wheel". He also mentions "a small amount of garnet is occasionally found". Since the time of Dr. Pratt's examination many other minerals have been found in this Section X; including Asbestos and Vermiculite, along with Clavine and Dunite. In recent years these minerals have been recovered and with every opening, additional veins of corundum have been exposed. However, since the manufacture of Carborundum, actual mining for corundum has not been considered. My particular knowledge of the mine has been acquired through prospecting for precious stones during the past 20 years. Numbers of fine quality rubies and sapphires have been found. I consider this property contains some of the most valuable veins of high quality minerals in America today.

Exploratory work will be conducted to expose entire Section X for permanent open-cut mining; initially for a space of approximately 300 feet wide and 1000 feet long. The nature of the terrain will permit this being done by bulldozing and trucking away all overburden and remains of old workings. This will remove the numerous shafts, tunnels and drifts (from a few feet to several hundred

SECTION "X" - CORUNDUM HILL MINES

5/12/51. STATEMENT BY A. W. REID (cont'd)

feet) which now honeycomb this section, and which were constructed without regard for permanent operation and ultimate maximum recoveries. By this method of exposure full operation can proceed on the most economical basis. A tunnel, 1500 feet to 2000 feet long will then be driven into the entire mine, at a distance well below the open cut. This will serve as a "feeder tunnel" into which ores from drifts and open-cut may be fed and funneled and will also provide drainage for the entire working area. In my estimation, consistent operation can continue under this method of mining for not less than 25 years and still not exhaust the resources of this property.

Section X is a large dyke of corundum ore covering an area of 10 acres, lying directly within the main lead which runs about 10 miles from either end of it. Outcroppings appear throughout this entire lead and are principally located on the Corundum Hill Mines property, which contains other workable locations in addition to Section X.

This Exploratory Project will be started IMMEDIATELY upon approval of application for loan.

A. W. Reid

A. W. Reid

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1181 X

Date received 5/16/51

SECTION "X"
CORUNDUM HILL MINES

A. W. Reid
(P. O. Box 409)
Main St. & Highlands Rd.
Franklin, North Carolina.

Name and address of applicant

Date May 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

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

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

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

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

FORM MF-100 A. W. REID FRANKLIN, N.C.

SECTION "X" CORUNDUM HILL MINES TECHNICAL DATA

1. Chief material is CORUNDUM.
By-products include Asbestos, Vermiculite and others.

2. CORUNDUM HILL MINES. Workings have previously been by means of tunnels and shafts; as explained on attached sheets. Many years ago mills and refineries were located on property to process ores, but these have been removed.

3. 7 miles southeast of Franklin, N. C. mining district - Macon County.

4. Property is not now in operation. Application is by owner of property (explained on attached sheets).

5. Work on property was started 70 years ago. Has only been worked intermittently since a similiar material - carborundum - was placed on the market.

6. Applicant has mined and processed ores steadily, in this area, for more than 30 years and is intimately acquainted with this particular property. He will manage the project.

7. History, etc., explained on attached sheets.

12. Explanation of reserves covered on attached sheets.

13. 7 miles from shipping, supply and residence points. One half mile (good country road) from State Highway 23. Many access and service roads cover property.

14. Sufficient water on property for all purposes.

15. Power not required.

16. Operation not started; no employees on payroll.

17. No equipment or buildings on property; owner owns none.

18. Applicant acquired property May 7, 1951; after examination, testing and survey to determine requirements.

NOTE: Attached sheets and Form MF-103 include full information.

(*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.

By A. W. Reid
(Signature of authorized official)

(Name of company)

May 12, 1951
(Date)

Owner
(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-1181 X

Date received 5/16/51

Participation

SECTION "X"
CORUNDUM HILL MINES

A. W. REID
(P. O. Box 489)
Main St. at Highlands Rd.
Franklin, North Carolina.

Name and address of applicant

Date May 12, 1951

FILL IN THIS BLOCK

Date of application May 12, 1951

Estimated cost $74,420.00

Mineral or metal CORUNDUM

Percentage of Government participation

Location of mine 7 miles southeast of Franklin, North Carolina

Date of filing MF-100 May 4, 1951

DMA Docket Number, if available Dma-1181 X

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

See attached papers for all answers.

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

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

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

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

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

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

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

(Name of company)	By G. W. Reid (Signature of authorized official)
May 4, 1951 (Date)	Owner (Title)

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

*Same as footnote on page 1.

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

FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

6. There are no liens or encumbrances against the property, other than those recited in "Option to Purchase" by A. W. Reid from present owner - Beulon Holland and Wife. Same covers approximately 600 acres; price - $60,000.00, payable one third in six months and balance in two equal yearly payments. Property includes land and minerals. Option to Purchase includes clause which will subordinate interest of Beulon Holland and Wife to interests of the Government; in event of loan.

9. Applicant will invest 10% in proposed project; sufficient in accordance with Government participation on corundum (Section 9 of Mineral Order 5).

10. See No. 6 above and attached sheets; also map being submitted.

15. Ore will be milled on property, moved by trucks to Franklin (7 miles) and shipped from there by railroad.

20. Exploratory work will be conducted to prepare mine for release of corundum - principally.

21. Proposed work and estimated time explained on attached sheets.

22. Statement for geological basis for progress, together with map, is attached.

FORM MF-103 · A. W. REID FRANKLIN, N.C. CORUNDUM HILL MINE

23. REQUIREMENTS & COST:

	LABOR	EACH DAILY	TOTAL
(a)	1 Foreman	$20.00	$1,800.00
	2 Miners (drillers)	12.00	2,160.00
	10 Laborers	8.00	7,200.00
	1 Blacksmith	15.00	1,350.00
	1 Blacksmith Helper	10.00	900.00
	1 Bulldozer Operator	18.00	1,620.00
	1 Shovel Operator	18.00	1,620.00
	2 Truck Drivers	10.00	1,800.00
(b)	1 Supertendent	25.00	2,250.00
	1 Bookeeper	15.00	1,350.00
(d)	Tool House & Blacksmith Shop		2,500.00
(e)	1 Bulldozer		15,500.00
	1 Power Shovel Loader		8,500.00
	2 Air Compressors (125 cfm)		6,650.00
	3 Jackhammer Drills		1,035.00
	Steel & Small Tools		2,500.00
	2 Pumps & Lines		1,100.00
	2 Dump Trucks		6,000.00
	1 Pickup Truck		2,000.00
(h)	Powder, Fuse, Exploders etc. ($30.00 per day)		2,700.00
	Gas & Oil ($30.00 per day)		2,700.00
(i)	Taxes & Insurance		1,185.00
	TOTAL REQUIREMENTS		$ 74,420.00

24. Time for exploratory work is estimated at 90 days. Schedule of money expected to be spent is as follows:

IMMEDIATE	$ 47,835.00
20 DAYS	6,375.00
40 DAYS	6,375.00
60 DAYS	6,375.00
80 DAYS	7,460.00

- - - -

FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

5/12/51 STATEMENT BY:

A.W.REID - PRACTICAL GEOLOGIST & MINING ENGINEER

I have mined and operated properties for practically all minerals during the past 30 years and have a complete knowledge of all procedures incident thereto; as well as those connected with the processing of ores for intended purposes.

Most of my activities have been within the minerals belt in, and surrounding Franklin, N. C. I have been intimately aware of the tremendous corundum potentialities of Corundum Hill all my life and have personally considered and examined its possibilities many times. Past workings, through tunnels and shafts, have honeycombed Section "X" (see submitted map) and provide evidence of the great depth and size of the deposit. However, those workings have been mostly on a "jayhawking" basis (robbing out the easy spots) without regard for continued operation.

Corundum Hill is the biggest corundum mine ever discovered in America. Working started in 1870 and tremendous quantities of the ore were released but no records of tonnage are available. My information and knowledge causes me to place a figure of not less one half million tons. Dr. Joseph Hyde Pratt, Geologist, has made an extensive report of these mines in his book "Corundum and the Peridotites of Western North Carolina". He refers to the "Big Vein" - now termed "Section X". He states that "from the various openings, block, crystal and sand corundum ores have been obtained, all of which can be readily cleaned and furnish a commercial product that can be used in the manufacture of corundum wheel". He also mentions "a small amount of garnet is occasionally found". Since the time of Dr. Pratt's examination many other minerals have been found in this Section X; including Asbestos and Vermiculite, along with Olavine and Dunite. In recent years these minerals have been recovered and with every opening, additional veins of corundum have been exposed. However, since the manufacture of Carborundum, actual mining for corundum has not been considered. My particular knowledge of the mine has been acquired through prospecting for precious stones during the past 20 years. Numbers of fine quality rubies and sapphires have been found. I consider this property contains some of the most valuable veins of high quality minerals in America today.

Exploratory work will be conducted to expose entire Section X for permanent open-cut mining; initially for a space of approximately 300 feet wide and 1000 feet long. The nature of the terrain will permit this being done by bulldozing and trucking away all overburden and remains of old workings. This will remove the numerous shafts, tunnels and drifts (from a few feet to several hundred

FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

5/12/51. STATEMENT BY A. W. REID (cont'd)

feet) which now honeycomb this section, and which were constructed without regard for permanent operation and ultimate maximum recoveries. By this method of exposure full operation can proceed on the most economical basis. A tunnel, 1500 feet to 2000 feet long will then be driven into the entire mine, at a distance well below the open cut. This will serve as a "feeder tunnel" into which ores from drifts and open-cut may be fed and funneled and will also provide drainage for the entire working area. In my estimation, consistent operation can continue under this method of mining for not less than 25 years and still not exhaust the resources of this property.

Section X is a large dyke of corundum ore covering an area of 10 acres, lying directly within the main lead which runs about 10 miles from either end of it. Outcroppings appear throughout this entire lead and are principally located on the Corundum Hill Mines property, which contains other workable locations in addition to Section X.

This Exploratory Project will be started IMMEDIATELY upon approval of application for loan.

A W Reid

A. W. Reid

Form MF-100
(March 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma - 1181 X

Date received 5/16/51

SECTION "X"
CORUNDUM HILL MINES

A. W. Reid
(P. O. Box 489)
Main St. & Highlands Rd.
Franklin, North Carolina.

Name and address of applicant

Date May 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

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

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

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

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

FORM MF-100 A. W. REID FRANKLIN, N.C.

SECTION "X" CORUNDUM HILL MINES TECHNICAL DATA

1. Chief material is CORUNDUM.
By-products include Asbestos, Vermiculite and others.

2. CORUNDUM HILL MINES. Workings have previously been by means of tunnels and shafts; as explained on attached sheets. Many years ago mills and refineries were located on property to process ores, but these have been removed.

3. 7 miles southeast of Franklin, N. C. mining district - Macon County.

4. Property is not now in operation. Application is by owner of property (explained on attached sheets).

5. Work on property was started 70 years ago. Has only been worked intermittently since a similiar material - carborundum - was placed on the market.

6. Applicant has mined and processed ores steadily, in this area, for more than 30 years and is intimately acquainted with this particular property. He will manage the project.

7. History, etc., explained on attached sheets.

12. Explanation of reserves covered on attached sheets.

13. 7 miles from shipping, supply and residence points. One half mile (good country road) from State Highway 23. Many access and service roads cover property.

14. Sufficient water on property for all purposes.

15. Power not required.

16. Operation not started; no employees on payroll.

17. No equipment or buildings on property; owner owns none.

18. Applicant acquired property May 7, 1951; after examination, testing and survey to determine requirements.

NOTE: Attached sheets and Form MF-103 include full information.

(*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.

(Name of company)

By A. W. Reid
(Signature of authorized official)

May 12, 1951
(Date)

Owner
(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

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1181X

Commodity Corundum

Total Amount $74,420.00

Govt. Participation 90%

1. Name and Address of Applicant A.W. Reid (P.O. Box 489)
Main St. at Highlands Rd, Franklin, N. Caro

2. Location of Property 7 miles Southeast Franklin, N. Caro.
Macon Co.

3. Mineral or metal Corundum Is it listed in Section 9 of MO-52? Yes

If not, application will be rejected.

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

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

a) Good

b) Poor Poor - see attached sheet

c) None

d) Don't know—needs field examination

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

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

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future

productive period?

*question numbers are those of MF-103

Application DMA-1181X, A. W. Reid, Franklin, North Carolina.
For corundum loan of 96% $74,420

The applicant presents very little geologic information for his proposed exploration. His outlined exploration is largely development work.

J. B. Hadley of the Geological Survey mapped the Corundum Hill deposit in the latter part of World War II. Previously W. S. White had reported on the deposit. Their conclusions are that the corundum-bearing veins are few in number and tend to pinch out and have a very irregular character. They believe that the main ore deposit was worked out down to a 250-foot depth and that the known deposit was thinning with depth. Hadley states that the last available information gave an inferred ore reserve of 550 tons of which 50-150 tons was recoverable corundum.

Hadley states that the apparent reserves of ore are small and that production would have to be preceded by a certain amount of dead work. White agrees in general and emphasizes the mining difficulties of an abandoned mine in this type of rock.

The applicant's proposed development is entirely unsuited to the actual geologic and physical conditions. The applicant should be refused for several reasons:

(1) His proposed exploration work is essentially development.
(2) Geologic investigations indicate a poor risk - especially in his proposed exploration.
(3) Inferred reserves are small and would not repay the loan unless corundum prices were much higher.
(4) The applicant's proposed development (exploration) is not sound for the existing geologic conditions.

I think the application can be denied for the above reasons which are based on file data. I conferred with Hadley, via telephone concerning this deposit. He states that the applicant's proposed exploration or development is entirely unsuited. He especially emphasizes the difficulties of re-opening the mine. There are clues to the type of rock and rock alteration. The deposit is not demonstrated ore as the applicant would lead you to believe.

J. A. Redden . JR

7. Are subordination agreements necessary?_____

a) MF-201?_____

b) MF-202_____

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

a) Available manpower_____

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

c) Accessibility (question 12)*_____

d) Water (question 13)*_____

e) Power (question 13)*_____

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

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

Is a field check needed on this point?_____

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

a) Is the project adequately described? No

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

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

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

If not, what part of it is? See attached sheet — answer to question 4.

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1181X

Commodity Corundum

Total Amount $ 74,420.00

Govt. Participation 90%

1. Name and Address of Applicant A.W. Reid (P.O. Box 489)
Main St. at Highlands Rd, Franklin, N. Caro

2. Location of Property 7 miles Southeast Franklin, N. Caro
Macon Co.

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

If not, application will be rejected.

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

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

a) Good

b) Poor Poor - see attached sheet

c) None

d) Don't know—needs field examination

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

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

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future productive period?

*question numbers are those of MF-103

Application DMA-1181X, A. W. Reid, Franklin, North Carolina.
For corundum loan of 96% $74,420

The applicant presents very little geologic information for his proposed exploration. His outlined exploration is largely development work.

J. B. Hadley of the Geological Survey mapped the Corundum Hill deposit in the latter part of World War II. Previously W. S. White had reported on the deposit. Their conclusions are, that the corundum-bearing veins are few in number and tend to pinch out and have a very irregular character. They believe that the main ore deposit was worked out down to a 250-foot depth and that the known deposit was thinning with depth. Hadley states that the last available information gave an inferred ore reserve of 550 tons of which 50-150 tons was recoverable corundum.

Hadley states that the apparent reserves of ore are small and that production would have to be preceded by a certain amount of dead work. White agrees in general and emphasizes the mining difficulties of an abandoned mine in this type of rock.

The applicant's proposed development is entirely unsuited to the actual geologic and physical conditions. The applicant should be refused for several reasons:

(1) His proposed exploration work is essentially development.
(2) Geologic investigations indicate a poor risk - especially in his proposed exploration.
(3) Inferred reserves are small and would not repay the loan unless corundum prices were much higher.
(4) The applicant's proposed development (exploration) is not sound for the existing geologic conditions.

I think the application can be denied for the above reasons which are based on file data. I conferred with Hadley, via telephone, concerning the deposit. He states that the applicant's proposed exploration or development is entirely unsuited. He especially emphasizes the difficulties of reopening this mine. These are due to the type of rock and rock alteration. The applicant would have good to indium. The deposit is not documented or as

J. A. Redden

7. Are subordination agreements necessary?_____

a) MF-201?_____

b) MF-202_____

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

a) Available manpower_____

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

c) Accessibility (question 12)*_____

d) Water (question 13)*_____

e) Power (question 13)*_____

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

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

Is a field check needed on this point?_____

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

a) Is the project adequately described? No

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

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

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

If not, what part of it is? See attached sheet - answer to question 4.

Program proposed by applicant is stripping of overburden and old workings in preparation for open-cut mining; it is not an exploration program in the sense of being restricted to a program of sampling and delineation of the ore.

5/24/51 JHW

Defense Minerals Administration
Reference Slip

Date 5/17/57

To: 1. Mr. Barr

2.

3.

4.

DMA 1181 X

For Action ✓
Reply
Information
Remarks:

Sender Strobel ON

3
Mr. Strobel DMA 1181 X

Forwarded to

Branch

Date

Sender

2
Mr. Strobel DMA 1181 X

Forwarded to

Branch

Date

Sender

1
Mr. Strobel DMA 1181 X

Forwarded to

Branch

Date

Sender

92758

Form MF-103
(April 1951)

U[illegible] 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 - 1181 X

Date received 5/16/51

Participation

SECTION "X"
CORUNDUM HILL MINES

A. W. REID
(P. O. Box 489)
Main St. at Highlands Rd.
Franklin, North Carolina.

Name and address of applicant

Date May 12, 1951

FILL IN THIS BLOCK

Date of application May 12, 1951

Estimated cost $74,420.00

Mineral or metal CORUNDUM

Percentage of Government participation 90%

Location of mine 7 miles southeast of Franklin, North Carolina

Date of filing MF-100 May 4, 1951

DMA Docket Number, if available Dma - 1181 X

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

See attached papers for all answers.

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

(Name of company)	By A W Reid (Signature of authorized official)
May 4, 1951 (Date)	Owner (Title)

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

*Same as footnote on page 1.

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

FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

6. There are no liens or encumbrances against the property, other than those recited in "Option to Purchase" by A. W. Reid from present owner - Beulon Holland and Wife. Same covers approximately 600 acres; price - $60,000.00, payable one third in six months and balance in two equal yearly payments. Property includes land and minerals. Option to Purchase includes clause which will subordinate interest of Beulon Holland and Wife to interests of the Government; in event of loan.

9. Applicant will invest 10% in proposed project; sufficient in accordance with Government participation on corundum (Section 9 of Mineral Order 5).

10. See No. 6 above and attached sheets; also map being submitted.

15. Ore will be milled on property, moved by trucks to Franklin (7 miles) and shipped from there by railroad.

20. Exploratory work will be conducted to prepare mine for release of corundum - principally.

21. Proposed work and estimated time explained on attached sheets.

22. Statement for geological basis for progress, together with map, is attached.

23. REQUIREMENTS & COST:

	LABOR	EACH DAILY	TOTAL
(a)	1 Foreman	$20.00	$1,800.00
	2 Miners (drillers)	12.00	2,160.00
	10 Laborers	8.00	7,200.00
	1 Blacksmith	15.00	1,350.00
	1 Blacksmith Helper	10.00	900.00
	1 Bulldozer Operator	18.00	1,620.00
	1 Shovel Operator	18.00	1,620.00
	2 Truck Drivers	10.00	1,800.00
(b)	1 Supertendent	25.00	2,250.00
	1 Bookeeper	15.00	1,350.00
(d)	Tool House & Blacksmith Shop		2,500.00
(e)	1 Bulldozer		15,500.00
	1 Power Shovel Loader		8,500.00
	2 Air Compressors (125 cfm)		6,650.00
	3 Jackhammer Drills		1,035.00
	Steel & Small Tools		2,500.00
	2 Pumps & Lines		1,100.00
	2 Dump Trucks		6,000.00
	1 Pickup Truck		2,000.00
(h)	Powder, Fuse, Exploders etc. ($30.00 per day)		2,700.00
	Gas & Oil ($30.00 per day)		2,700.00
(i)	Taxes & Insurance		1,185.00
	TOTAL REQUIREMENTS		$ 74,420.00

24. Time for exploratory work is estimated at 90 days. Schedule of money expected to be spent is as follows:

IMMEDIATE	$ 47,835.00
20 DAYS	6,375.00
40 DAYS	6,375.00
60 DAYS	6,375.00
80 DAYS	7,460.00

- - - -

FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

5/12/51 STATEMENT BY:

A.W.REID - PRACTICAL GEOLOGIST & MINING ENGINEER

I have mined and operated properties for practically all minerals during the past 30 years and have a complete knowledge of all procedures incident thereto; as well as those connected with the processing of ores for intended purposes.

Most of my activities have been within the minerals belt in, and surrounding Franklin, N. C. I have been intimately aware of the tremendous corundum potentialities of Corundum Hill all my life and have personally considered and examined its possibilities many times. Past workings, through tunnels and shafts, have honeycombed Section "X" (see submitted map) and provide evidence of the great depth and size of the deposit. However, those workings have been mostly on a "jayhawking" basis (robbing out the easy spots) without regard for continued operation.

Corundum Hill is the biggest corundum mine ever discovered in America. Working started in 1870 and tremendous quantities of the ore were released but no records of tonnage are available. My information and knowledge causes me to place a figure of not less one half million tons. Dr. Joseph Hyde Pratt, Geologist, has made an extensive report of these mines in his book "Corundum and the Peridotites of Western North Carolina". He refers to the "Big Vein" - now termed "Section X". He states that "from the various openings, block, crystal and sand corundum ores have been obtained, all of which can be readily cleaned and furnish a commercial product that can be used in the manufacture of corundum wheel". He also mentions "a small amount of garnet is occasionally found". Since the time of Dr. Pratt's examination many other minerals have been found in this Section X; including Asbestos and Vermiculite, along with Olavine and Dunite. In recent years these minerals have been recovered and with every opening, additional veins of corundum have been exposed. However, since the manufacture of Carborundum, actual mining for corundum has not been considered. My particular knowledge of the mine has been acquired through prospecting for precious stones during the past 20 years. Numbers of fine quality rubies and sapphires have been found. I consider this property contains some of the most valuable veins of high quality minerals in America today.

Exploratory work will be conducted to expose entire Section X for permanent open-cut mining; initially for a space of approximately 300 feet wide and 1000 feet long. The nature of the terrain will permit this being done by bulldozing and trucking away all overburden and remains of old workings. This will remove the numerous shafts, tunnels and drifts (from a few feet to several hundred

SECTION "X" - CORUNDUM HILL MINES

5/12/51. STATEMENT BY A. W. REID (cont'd)

feet) which now honeycomb this section, and which were constructed without regard for permanent operation and ultimate maximum recoveries. By this method of exposure full operation can proceed on the most economical basis. A tunnel, 1500 feet to 2000 feet long will then be driven into the entire mine, at a distance well below the open cut. This will serve as a "feeder tunnel" into which ores from drifts and open-cut may be fed and funneled and will also provide drainage for the entire working area. In my estimation, consistent operation can continue under this method of mining for not less than 25 years and still not exhaust the resources of this property.

Section X is a large dyke of corundum ore covering an area of 10 acres, lying directly within the main lead which runs about 10 miles from either end of it. Outcroppings appear throughout this entire lead and are principally located on the Corundum Hill Mines property, which contains other workable locations in addition to Section X.

This Exploratory Project will be started IMMEDIATELY upon approval of application for loan.

A. W. Reid

A. W. Reid

Form MF-100
(March 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma-1181X

Date received 5/16/51

SECTION "X"
CORUNDUM HILL MINES

A. W. Reid
(P. O. Box 489)
Main St. & Highlands Rd.
Franklin, North Carolina.

Name and address of applicant

Date May 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

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

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

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

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geol[illegible] ore reserves.

FORM MF-100 A. W. REID FRANKLIN, N.C.

SECTION "X" CORUNDUM HILL MINES TECHNICAL DATA

1. Chief material is CORUNDUM.
By-products include Asbestos, Vermiculite and others.

2. CORUNDUM HILL MINES. Workings have previously been by means of tunnels and shafts; as explained on attached sheets. Many years ago mills and refineries were located on property to process ores, but these have been removed.

3. 7 miles southeast of Franklin, N. C. mining district - Macon County.

4. Property is not now in operation. Application is by owner of property (explained on attached sheets).

5. Work on property was started 70 years ago. Has only been worked intermittently since a similiar material - carborundum - was placed on the market.

6. Applicant has mined and processed ores steadily, in this area, for more than 30 years and is intimately acquainted with this particular property. He will manage the project.

7. History, etc., explained on attached sheets.

12. Explanation of reserves covered on attached sheets.

13. 7 miles from shipping, supply and residence points. One half mile (good country road) from State Highway 23. Many access and service roads cover property.

14. Sufficient water on property for all purposes.

15. Power not required.

16. Operation not started; no employees on payroll.

17. No equipment or buildings on property; owner owns none.

18. Applicant acquired property May 7, 1951; after examination, testing and survey to determine requirements.

NOTE: Attached sheets and Form MF-103 include full information.

(*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.

(Name of company)

By G. W. Reid
(Signature of authorized official)

May 12, 1951
(Date)

Owner
(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

BUREAU OF MINES
WASHINGTON, D. C.

MAY 15 2 41 PM '51

Form MF-103
(April 1951)

U. 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 - 1181 X

Date received 5/14/51

Participation

SECTION "X"
CORUNDUM HILL MINES

A. W. REID
(P. O. Box 489)
Main St. at Highlands Rd.
Franklin, North Carolina.

Name and address of applicant

Date May 12, 1951

FILL IN THIS BLOCK

Date of application May 12, 1951

Estimated cost $74,420.00

Mineral or metal CORUNDUM

Percentage of Government participation

Location of mine 7 miles southeast of Franklin, North Carolina

Date of filing MF-100 May 4, 1951

DMA Docket Number, if available Dma - 1181 X

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

See attached papers for all answers.

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

(Name of company)	By C. W. Reid (Signature of authorized official)
May 4, 1951 (Date)	Owner (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.

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FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

6. There are no liens or encumbrances against the property, other than those recited in "Option to Purchase" by A. W. Reid from present owner - Beulon Holland and Wife. Same covers approximately 600 acres; price - $60,000.00, payable one third in six months and balance in two equal yearly payments. Property includes land and minerals. Option to Purchase includes clause which will subordinate interest of Beulon Holland and Wife to interests of the Government; in event of loan.

9. Applicant will invest 10% in proposed project; sufficient in accordance with Government participation on corundum (Section 9 of Mineral Order 5).

10. See No. 6 above and attached sheets; also map being submitted.

15. Ore will be milled on property, moved by trucks to Franklin (7 miles) and shipped from there by railroad.

20. Exploratory work will be conducted to prepare mine for release of corundum - principally.

21. Proposed work and estimated time explained on attached sheets.

22. Statement for geological basis for progress, together with map, is attached.

23. REQUIREMENTS & COST:

	LABOR	EACH DAILY	TOTAL
(a)	1 Foreman	$20.00	$1,800.00
	2 Miners (drillers)	12.00	2,160.00
	10 Laborers	8.00	7,200.00
	1 Blacksmith	15.00	1,350.00
	1 Blacksmith Helper	10.00	900.00
	1 Bulldozer Operator	18.00	1,620.00
	1 Shovel Operator	18.00	1,620.00
	2 Truck Drivers	10.00	1,800.00
(b)	1 Supertendent	25.00	2,250.00
	1 Bookeeper	15.00	1,350.00
(d)	Tool House & Blacksmith Shop		2,500.00
(e)	1 Bulldozer		15,500.00
	1 Power Shovel Loader		8,500.00
	2 Air Compressors (125 cfm)		6,650.00
	3 Jackhammer Drills		1,035.00
	Steel & Small Tools		2,500.00
	2 Pumps & Lines		1,100.00
	2 Dump Trucks		6,000.00
	1 Pickup Truck		2,000.00
(h)	Powder, Fuse, Exploders etc. ($30.00 per day)		2,700.00
	Gas & Oil ($30.00 per day)		2,700.00
(i)	Taxes & Insurance		1,185.00
	TOTAL REQUIREMENTS		$ 74,420.00

24. Time for exploratory work is estimated at 90 days. Schedule of money expected to be spent is as follows:

IMMEDIATE	$ 47,835.00
20 DAYS	6,375.00
40 DAYS	6,375.00
60 DAYS	6,375.00
80 DAYS	7,460.00

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FORM MF-103 A. W. REID FRANKLIN, N.C.

SECTION "X" - CORUNDUM HILL MINES

5/12/51 STATEMENT BY:

A.W.REID - PRACTICAL GEOLOGIST & MINING ENGINEER

I have mined and operated properties for practically all minerals during the past 30 years and have a complete knowledge of all procedures incident thereto; as well as those connected with the processing of ores for intended purposes.

Most of my activities have been within the minerals belt in, and surrounding Franklin, N. C. I have been intimately aware of the tremendous corundum potentialities of Corundum Hill all my life and have personally considered and examined its possibilities many times. Past workings, through tunnels and shafts, have honeycombed Section "X" (see submitted map) and provide evidence of the great depth and size of the deposit. However, those workings have been mostly on a "jayhawking" basis (robbing out the easy spots) without regard for continued operation.

Corundum Hill is the biggest corundum mine ever discovered in America. Working started in 1870 and tremendous quantities of the ore were released but no records of tonnage are available. My information and knowledge causes me to place a figure of not less one half million tons. Dr. Joseph Hyde Pratt, Geologist, has made an extensive report of these mines in his book "Corundum and the Peridotites of Western North Carolina". He refers to the "Big Vein" - now termed "Section X". He states that "from the various openings, block, crystal and sand corundum ores have been obtained, all of which can be readily cleaned and furnish a commercial product that can be used in the manufacture of corundum wheel". He also mentions "a small amount of garnet is occasionally found". Since the time of Dr. Pratt's examination many other minerals have been found in this Section X; including Asbestos and Vermiculite, along with Olavine and Dunite. In recent years these minerals have been recovered and with every opening, additional veins of corundum have been exposed. However, since the manufacture of Carborundum, actual mining for corundum has not been considered. My particular knowledge of the mine has been acquired through prospecting for precious stones during the past 20 years. Numbers of fine quality rubies and sapphires have been found. I consider this property contains some of the most valuable veins of high quality minerals in America today.

Exploratory work will be conducted to expose entire Section X for permanent open-cut mining; initially for a space of approximately 300 feet wide and 1000 feet long. The nature of the terrain will permit this being done by bulldozing and trucking away all overburden and remains of old workings. This will remove the numerous shafts, tunnels and drifts (from a few feet to several hundred

SECTION "X" - CORUNDUM HILL MINES

5/12/51. STATEMENT BY A. W. REID (cont'd)

feet) which now honeycomb this section, and which were constructed without regard for permanent operation and ultimate maximum recoveries. By this method of exposure full operation can proceed on the most economical basis. A tunnel, 1500 feet to 2000 feet long will then be driven into the entire mine, at a distance well below the open cut. This will serve as a "feeder tunnel" into which ores from drifts and open-cut may be fed and funneled and will also provide drainage for the entire working area. In my estimation, consistent operation can continue under this method of mining for not less than 25 years and still not exhaust the resources of this property.

Section X is a large dyke of corundum ore covering an area of 10 acres, lying directly within the main lead which runs about 10 miles from either end of it. Outcroppings appear throughout this entire lead and are principally located on the Corundum Hill Mines property, which contains other workable locations in addition to Section X.

This Exploratory Project will be started IMMEDIATELY upon approval of application for loan.

A. W. Reid

A. W. Reid

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1181X

Date received 5/16/51

SECTION "X"
CORUNDUM HILL MINES

A. W. Reid
(P. O. Box 489)
Main St. & Highlands Rd.
Franklin, North Carolina.

Name and address of applicant

Date May 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

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

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

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

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

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

FORM MF-100 A. W. REID FRANKLIN, N.C.

SECTION "X" CORUNDUM HILL MINES TECHNICAL DATA

1. Chief material is CORUNDUM.
By-products include Asbestos, Vermiculite and others.

2. CORUNDUM HILL MINES. Workings have previously been by means of tunnels and shafts; as explained on attached sheets. Many years ago mills and refineries were located on property to process ores, but these have been removed.

3. 7 miles southeast of Franklin, N. C. mining district - Macon County.

4. Property is not now in operation. Application is by owner of property (explained on attached sheets).

5. Work on property was started 70 years ago. Has only been worked intermittently since a similiar material - carborundum - was placed on the market.

6. Applicant has mined and processed ores steadily, in this area, for more than 30 years and is intimately acquainted with this particular property. He will manage the project.

7. History, etc., explained on attached sheets.

12. Explanation of reserves covered on attached sheets.

13. 7 miles from shipping, supply and residence points. One half mile (good country road) from State Highway 23. Many access and service roads cover property.

14. Sufficient water on property for all purposes.

15. Power not required.

16. Operation not started; no employees on payroll.

17. No equipment or buildings on property; owner owns none.

18. Applicant acquired property May 7, 1951; after examination, testing and survey to determine requirements.

NOTE: Attached sheets and Form MF-103 include full information.

(*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.

(Name of company)

By A. W. Reid
(Signature of authorized official)

May 12, 1951
(Date)

Owner
(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.

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