DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2745

DO NOT DETACH THIS SLIP

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

This document has been recorded as
EXPLORATION ASSISTANCE

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

Routing Slip

To:	Code 400, Room 3538	Date	10/24/52
To:	Open Comm.	Date	11-5-52
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CONTROLLED DOCUMENT

Administrator, DMEA

November 3, 1952

Iron and Ferro-Alloy Division, DMEA

2745

Denial of application for exploration assistance
Docket No. 2745 - Manganese
Apex Mining & Milling Company, Inc.
P. Carmona Claims
Mena District
Polk County, Arkansas

The denial of the subject application by this Division is based on the following information:

1. The applicant has submitted no definite plan for exploration. The application did not contain detailed cost data nor the total amount of funds requested.

2. The manganese occurrences outcrop on the left limit of a small tributary of Coon Creek in Sec. 13, T. 4 S., R. 28 W. and are typical of the Mena District deposits.

3. A large amount of work has been done on the manganese "ores" from the Mena District in the last 40 years. Some of the beneficiation tests to date have indicated that the manganese-bearing material can be successfully treated. The manganese recovery has been low and the resulting concentrate high in silica.

4. Material of the grade to be expected cannot be classified as ore though a small quantity of manganese has been produced in the past, mainly by hand sorting. There is no justification for further exploration of "ores" of this type until a metallurgical process has been developed to successfully beneficiate them.

5. Five cars of ore were shipped from the subject occurrences during World War I. The applicant estimated that 5,000 tons of novaculite was shot down to produce the five cars shipped.

6. The Commodity Division of the U. S. Geological Survey recommends denial.

FARutledge'lm
11/3/52

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

cc: Admn. Reading File
Docket
G. C. Selfridge
F. A. Rutledge

FO'C

When you ask about 2716 please ask about this one, too - same trouble

WSaq

3/29/57

NOV 6 1952

Mr. Frank Waters
Apex Mining & Milling Company, Inc.
Norman, Arkansas

Re: Docket No. 2745 - Manganese
Apex Mining & Milling Co., Inc.
J. Cormean Claims
Mena District
Polk County, Arkansas

Dear Mr. Waters:

Your request for exploration assistance and other reports concerning the manganese occurrences in the Cove Creek area and in the Mena District available to us in Washington have been carefully reviewed.

This information, although noting the occurrence of a refractory type of manganese-bearing material in the lower division of the Arkansas novaculite, indicates to us that it is doubtful if the proposed program would result in a discovery or development from which a significant production might be made that would be of benefit to the present National Defense Program. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing this property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

FARMilledge'lm
11/3/52

cc:- Admn. Reading File
Docket
W. M. Melcher, USGS
H. D. Crittenden, USGS
Field Team Reg. VI
Operating Committee
G. C. Selfridge
F. A. Patledge

IN REPLY REFER TO:
G-MD-CF

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 31 1952

400

October 30, 1952

Memorandum

To: George C. Selfridge

From: M. D. Crittenden

Subject: DMEA-2745 Manganese Apex Mining & Milling Company, Inc. Norman, Arkansas

The proposal

The application I have is incomplete. There is no statement of the amount, nature, or location of the exploration proposed.

The property

The applicant's location and description of the property is not accurate enough to determine which of 3 prospects known in the N½ of Sec. 13, T. 4 S., R. 28 W. it may be. In any case all of them are similar in character to manganese deposits of this area already explored. They occur in the upper part of the lower member of the Arkansas novaculite. Hard steel-blue psilomelane and soft iron oxides are reported to occur in thin veinlets and as scattered vugs up to 6" or a foot across.

There seems no reason to think that this property is appreciably more desirable than any of those already explored.

M. D. Crittenden

MDCrittenden:gt

Copy retained 400

AUG 31 1954

Mr. Frank A. Waters
Superintendent
Apex Mining & Milling Inc.
Norman, Arkansas

Dear Mr. Waters:

This will acknowledge your letter dated August 28, 1954, in which you request the return of assays, maps, and other papers submitted by you with your application for financial assistance on an exploration project, Docket No. DMEA-2745.

In accordance with your request the material is enclosed herewith.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Chief
Operations Control and
Statistics Division

Enclosures

REAdams/la/8-31-54

Copy to: Adm. R. File
~~Mails~~ & Files
Mr. Adams

AUG 28 54

UNITED STATES DEPARTMENT OF INTERIOR
DEFENCE MINERALS EXPLORATION ADMININSTRATION

ROBERT ADAMS

DEAR SIR.

DMEA - 2745

ON OCTOBER 24,52 I PUT IN MY APPLACATION FOR ASSISTANCE ON MINING MANGANESE,IWAS REFUSED AID.

I MAILED YOU ASSAYS,MAPS,AND GOVERMENT REPORTS,THEY HAVE NEVER BEN RETURNED,WE NEED THEM ,PLEASE RUSH THEM AS THEY ARE VERY IMPORTANT.

OUR DMEA NO.IS-2745

THANKING YOU.

FRANK A.WATER SUPT,APEX MINING & MILLING INC.

NORMAN

ARKANSAS.

Frank A. Waters

FILE COPY 400
SURNAME:

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

Rutledge
Selfridge
Mitchell
Emerick
Hedges
Jackson

NOV 6 1952

Mr. Frank Waters
Apex Mining & Milling Company, Inc.
Norman, Arkansas

Re: Docket No. 2745 - Manganese
Apex Mining & Milling Co., Inc.
P. Carmean Claims
Mena District
Polk County, Arkansas

Dear Mr. Waters:

Your request for exploration assistance and other reports concerning the manganese occurrences in the Coon Creek area and in the Mena District available to us in Washington have been carefully reviewed.

This information, although noting the occurrence of a refractory type of manganese-bearing material in the lower division of the Arkansas novaculite, indicates to us that it is doubtful if the proposed program would result in a discovery or development from which a significant production might be made that would be of benefit to the present National Defense Program. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing this property to our attention.

Sincerely yours,

C. O. Mittendorf (for) F.H. 11-6-52

Administrator

FARutledge:lm
11/3/52

cc: Admn. Reading File
Docket
N. B. Melcher, USBM
M. D. Crittenden, USGS
Field Team Reg. VI
Operating Committee
G. C. Selfridge
F. A. Rutledge

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Administrator, DMEA

DATE: November 3, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

SUBJECT: Denial of application for exploration assistance
Docket No. 2745 - Manganese
Apex Mining & Milling Company, Inc.
P. Carmean Claims
Mena District
Polk County, Arkansas

The denial of the subject application by this Division is based on the following information:

1. The applicant has submitted no definite plan for exploration. The application did not contain detailed cost data nor the total amount of funds requested.

2. The manganese occurrences outcrop on the left limit of a small tributary of Coon Creek in Sec. 13, T. 4 S., R. 28 W. and are typical of the Mena District deposits.

3. A large amount of work has been done on the manganese "ores" from the Mena District in the last 40 years. None of the beneficiation tests to date have indicated that the manganese-bearing material can be successfully treated. The manganese recovery has been low and the resulting concentrate high in silica.

4. Material of the grade to be expected cannot be classified as ore though a small quantity of manganese has been produced in the past, mainly by hand sorting. There is no justification for further exploration of "ores" of this type until a metallurgical process has been developed to successfully beneficiate them.

5. Five cars of ore were shipped from the subject occurrences during World War I. The applicant estimated that 5,000 tons of novaculite was shot down to produce the five cars shipped.

6. The Commodity Division of the U. S. Geological Survey recommends denial.

G. C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

FILE COPY 400
SURNAME:

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

Administrator, DMEA

November 3, 1952

Rutledge
Selfridge
McKelvey

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance
Docket No. 2745 - Manganese
Apex Mining & Milling Company, Inc.
P. Carmean Claims
Mena District
Polk County, Arkansas

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6. The Commodity Division of the U. S. Geological Survey recommends denial.

FARutledge'lm
11/3/52

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

cc: Admn. Reading File
Docket
G. C. Selfridge
F. A. Rutledge

IN REPLY REFER TO:
G-MD-CF

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 31 1952

October 30, 1952

Memorandum

To: George C. Selfridge

From: M. D. Crittenden

Subject: DMEA-2745 Manganese Apex Mining & Milling Company, Inc.
Norman, Arkansas

The proposal

The application I have is incomplete. There is no statement of the amount, nature, or location of the exploration proposed.

The property

The applicant's location and description of the property is not accurate enough to determine which of 3 prospects known in the N½ of Sec. 13, T. 4 S., R. 28 W. it may be. In any case all of them are similar in character to manganese deposits of this area already explored. They occur in the upper part of the lower member of the Arkansas novaculite. Hard steel-blue psilomelane and soft iron oxides are reported to occur in thin veinlets and as scattered vugs up to 6" or a foot across.

There seems no reason to think that this property is appreciably more desirable than any of those already explored.

M. D. Crittenden Jr

M. D. Crittenden

Rec'd 11/3/52

Copy retained 400

October 24, 1952

Mr. Frank Waters
Apex Mining and Milling Company, Inc.
Norman, Arkansas

Subject: DMEA-2745
Exploration Assistance
Re: P. Carmean Claim

My dear Mr. Waters:

The receipt of your application dated October 21, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2745 and referred to the Iron and Ferro-Alloy Division.

Kindly refer to DMEA-2745 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operation Control
and Statistics Division

25451

Mobilization Committee of Defence Industries For Ark.

Town Hall

Norman Arkansas

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
OCT 24 1952

October 21st, 1952.

United States Department of The Interior,
Defense Minerals Exploration Administration,
Washington 25, D. C.

Gentlemen:

Attached please find Form MF-103 with maps and other inclosure.

We shall appreciate your prompt attention as we are shaped up to get some action now and we have considerable labor here idle due to the fact all industry at this point has closed and moved out and men are anxious to work and must have work to support their families.

Very truly yours,

APEX MINING & MILLING, INC.

By

Mine & Mill Superintendent.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

1952

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. dmea 2945
Metal or Mineral
Date Received 10-24-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Mr. & Mrs P. Carmean, Apex Mining & Milling Company, Incorporated. 4220 Victoria St. Los Angeles, California Norman, Arkansas. Pres. & Vice. Frank Waters, Act. Sec. & Mine & Mill. Supt. Norman, Arkansas

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract N. 1/2 Section 13, Twp. 4 S. Range 28 West. Located in Polk County Arkansas. U. S. Government, Public Domain

(*b*) State any mine name by which the property is known. P. Carmean claim

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner of claims on Public Domain

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(a) State the mineral or minerals for which you wish to explore MANGANESE ORE AND ANY MINERALS CONTAINED

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated October 21, 1952

APEX MINING & MILLING, INC.
(Applicant)

By Frank A. Waters
Mine & Mill Supt.

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—66551-1

MF-103

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED.

---

1. Name of Applicant - Apex Mining & Milling Company, Incorporated
Norman, Arkansas.

c - P. Carmean, President, 4220 Victoria St., LosAngeles, California.
Mrs. P. Carmean, Vice President, 4220 Victoria St, Los Angeles, Calif.
Frank A. Waters, Acting Secretary-Treasurer & Mine & Mill Superintendent, Norman, Arkansas.

3 - Applicants Property Rights - North 1/2 Section 13, Township 4 South, Range 28 West. Polk County, Arkansas.
Located on U. S. Government Land - Public Domain.

(b) P. Carmean Claim
(c) Owner of the claim on Public Domain Land.
(f) Full details in attached folder, book and page showing time recorded at Court House, Mena, (Polk County) Arkansas.

4 - Physical description - (a) Five car loads shipped from this mine , of high grade ore,ding World War One. Estimated 5 thousand tons ofnovaculite shot down. We own the mine, and have attempted some developement. Accessibility of the mine working is very good.

(b) Amount removed is unknown. Unlimited reserve. Assay attached.
(c) The deposits of manganese is in novaculite quartz lyings between enormous faults. The appearance is that there is a large deposit of Manganese ore of high grade we desire to explore and develope. Maps attached.
(d) Access roads good except one mile. 20 miles from (Norman, Ark.) railroad shipping point.
(e) Sufficient manpower. Sufficent timber, pine and oak, for usein mining milling. Abundance of water - all year, 600 feet from property. Gas and oil power.

5 - (a) Manganese and its contents.
(b) Maps attached. - 1 map
(c) Within ten days following the receipt of aid. Completed as soon as possible
(d) Frank A. Waters has had years experience in mining.

6 - Estimated cost - Attached. - not attached
(a) None
(b) Labor - wages $1.50 per hour. Supervision $2.00 per hr. Engineers and geological consultants $10.00 per hr. while on property.
(c) Power, water and fuel - $15.00 per day.
(d) Dozer $10.00 per hr. We have air compressor to be furnished by us.
(e) None
(f) No buildings on property. Estimated cost for sheds and tool house to be constructed $2,000.00.
(g) To conform with the laws of Arkansas ond the Federal Government
(h) Not known.

7 - (a) Yes
(b) Money.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

OCT 2 - 1952

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. Dmea 2745
Metal or Mineral
Date Received 10-24-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Mr. & Mrs P. Carmean, Apex Mining & Milling Company, Incorporated. 4220 Victoria St. Los Angeles, California Norman, Arkansas. Pres. & Vice. Frank Waters, Act. Sec. & Mine & Mill Supt. Norman, Arkansas

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract N. 1/2 Section 13, Twp. 4 S. Range 28 West. Located in Polk County Arkansas. U. S. Government, Public Domain

(*b*) State any mine name by which the property is known. P. Carmean claim

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner of claims on Public Domain

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

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(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) S[illegible] the mineral or minerals for which you wish [illegible]xplore .....
MANGANESE ORE AND ANY MINERALS CONTAINED.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated October 21, 1952

APEX MINING & MILLING, INC.
(Applicant)

By Frank A. Waters
Mine & Mill Supt.

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—66551-1

MF-103

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED.

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1. Name of Applicant - Apex Mining & Milling Company, Incorporated
Norman, Arkansas.

e - P. Carmean, President, 4220 Victoria St., LosAngeles, California.
Mrs. P. Carmean, Vice President, 4220 Victoria St, Los Angeles, Calif.
Frank A. Waters, Acting Secretary-Treasurer & Mine & Mill Superintendent, Norman, Arkansas.

3 - Applicants Property Rights - North 1/2 Section 13, Township 4 South, Range 28 West. Polk County, Arkansas.
Located on U. S. Government Land - Public Domain.

(b) P. Carmean Claim
(c) Owner of the claim on Public Domain Land.
(f) Full details in attached folder, book and page showing time recorded at Court House, Mena, (Polk County) Arkansas.

4 - Physical description - (a) Five car loads shipped from this mine , of high grade ore, during World War One. Estimated 5 thousand tons ofnovaculite shot down. We own the mine, and have attempted some developement. Accessibility of the mine working is very good.

(b) Amount removed is unknown. Unlimited reserve. Assay attached.
(c) The deposits of manganese is in Novaculite quartz lying between enormous faults. The appearance is that there is a large deposit of Manganese ore of high grade we desire to explore and develope. Maps attached.
(d) Access roads good except one mile. 20 miles from (Norman, Ark.) railroad shipping point.
(e) Sufficient manpower. Sufficent timber, pine and oak, for usein mining milling. Abundance of water - all year, 600 feet from property. Gas and oil power.

5 - (a) Manganese and its contents.
(b) Maps attached. - [illegible]
(c) Within ten days following the receipt of aid. Completed as soon as possible
(d) Frank A. Waters has had years experience in mining.

6 - Estimated cost - Attached. - no attachment

(a) None
(b) Labor - wages $1.50 per houb. Supervision $2.00 per hr. Engineers and geological consultants $10.00 per hr. while on property.
(c) Power, water and fuel - $15.00 per day.
(d) Dozer $10.00 per hr. We have air compressor to be furnished by us.
(e) None
(f) No buildings on property. Estimated cost for sheds and tool house to be constructed $2,000.00.
(g) To conform with the laws of Arkansas ond the Federal Government
(h) Not known.

7 - (a) Yes
(b) Money.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
E. 157 NORTH 3T.
Spokane 8, Wash.

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(RMGC)

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1952
WASH.

Chairman, Operating Committee

Defense Minerals Exploration Administration

Department of the Interior

Washington 25, D. C.

TMBA2745