DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2380

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip MF-100+103 COPY RETAINED REGION IV

REC'D Three COPIES ONE TO USGS, USBM + ONE

To: Code 600, Rm. 4637 Date 2-18-52

To: Mr Chairman Date

To: Operating Comm Date 3-14-52

To: Date

To: Date

To: Date

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To: Date

DO NOT DETACH

CONTROLLED DOCUMENT

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

224 New Customhouse
Denver 2, Colorado

June 18, 1952

BL

Memorandum

To: C. O. Mittendorf, Acting Administrator
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: DMEA Docket 2380, Western Fiber Ores Company, McMillan District, Gila County, Arizona

Enclosed is a copy of a letter from G. F. Herlihy, Secretary, Western Fiber Ores Company, in which he requests that his application be cancelled.

Also enclosed are the original and one copy of a memorandum by L. A. Stewart.

We have placed the application in our inactive file.

W. H. King
W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DMEA
JUN 23 1952

F. BARTLETT MERRILLIN
F. GEORGE HERLIHY
R. A. LYOLL
THOMAS E. RYAN
JOHN F. McLAUGHLIN
R. H. KERR, JR.
EDWARD L. COMPTON, JR.

MERRILLIN & HERLIHY
ATTORNEYS AT LAW
SUITE 910 BANK OF ITALY BUILDING
41 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA
TELEPHONE TRINITY 4811

CABLE ADDRESS
MERANDHER

June 9, 1952

VIA AIRMAIL

United States Bureau of Mines
Box 4097 University Station
Tucson, Arizona

Attention: Mr. Walter R. Storms, Chief

RE: WESTERN FIBRE ORES COMPANY
DMEA 2380

COPY

Dear Sirs:

The applicant herein - the Western Fiber Ores Company, hereby withdraws its application for exploratory aid forwarded to the Defense Minerals Administration under date of February 12, 1952.

At this time the officers of the corporate applicant express their deepest appreciation for the thorough and painstaking examination of the properties made by your Mr. Lincoln Stewart, and for the courteous treatment which he accorded to them.

Yours very truly,

WESTERN FIBER ORES COMPANY

By_____
Secretary

FGH:mc

Mining Division
Date Rec'd.
JUN 16 1952
BUREAU OF MINES
Denver, Colorado
TUCSON, ARIZONA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
MINING DIVISION
REGION IV

Arizona-New Mexico Branch
SOUTHWEST EXPERIMENT STATION
Box 4097
UNIVERSITY STATION

June 12, 1952

Memorandum

To : W. H. King, Acting Chief, Mining Div., Region IV

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : DMEA Docket 2380, Western Fiber Ores Company, McMillan Mining District, Gila County, Ariz.

Enclosed is a letter from the above applicant, asking that its exploration loan application be withdrawn; also enclosed are original and 8 copies of a short memorandum by L. A. Stewart of the Bureau of Mines, who examined the property with representatives of Western Fiber Ores Co.

Brochure is enclosed.

Walter R. Storms

Walter R. Storms, Chief
Arizona-New Mexico Branch

CC W. H. King (orig. & 8)
DMEA 2380
DF

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Arizona-New Mexico Branch
SOUTHWEST EXPERIMENT STATION
Box 4097
UNIVERSITY STATION

MINING DIVISION
REGION IV

TUCSON, ARIZONA

June 12, 1952

Memorandum

To : W. R. Storms, Chief, Arizona-New Mexico Br., Mining Div., Region IV, Tucson, Ariz.

From : Lincoln A. Stewart, Mining Engineer, Tucson, Ariz.

Subject : Western Fiber Ores Co., Gila County, Ariz. DMEA-2380

On June 4 I made a trip to the above property accompanied by Wm. D. Cluff and F. G. Herlihy, respectively president and secretary of the company. Although an extensive project had been proposed, neither of these men had been over their recently acquired property, and they had only a general idea of the location of the two groups. They had been sadly misinformed concerning the potentialities of the holdings.

As these claims had been investigated in 1942, the writer was able to guide the party. The owners indicated that they considered the Dream Girl prospect as having top priority in their plans. They were shown the thick unconformable diabase sill that cut off the ore horizon, leaving onlya remanent of limestone along the outcrop. In the same general area, but well up on the cliff, we looked at a higher zone that contained only meager showings of harsh fiber.

We walked the claims around the precipitous Salt River Canyon wall to another limestone outcrop where there were 3 old prospect pits. One showed a full face of weakly serpentinized limestone containing one 1/8-inch fiber seam. The other 2 pits were not more than 10 feet deep, the formation was broken, and the fiber showing of small consequence.

The Black Beauty group is several miles downstream from the Dream Girl group. It is accessible by a mile of rough trail from the road. The applicants asked about the showing we would see there. I told them they would see nothing better than they had already seen. Cluff and Herlihy then held a consultation, decided that they had been misinformed, and said they would withdraw the application, or in their own words, "the asinine proposal".

Lincoln A. Stewart
Lincoln A. Stewart,
Mining Engineer,
Arizona-New Mexico Branch

FOR VICTORY
BUY UNITED STATES SAVINGS BONDS AND STAMPS

CC W. H. King (Orig. & 8)
DMEA-2380
DF

Mining Division
Date Rec'd.

JUN 16 1952

BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

June 12, 1952

Memorandum

To : W. H. King, Acting Chief, Mining Div., Region IV

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

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Brochure is enclosed.

Walter R. Storms

Walter R. Storms, Chief
Arizona-New Mexico Branch

CC W. H. King (orig. & 8)
DMEA 2380
DF

WRStorms:frj

MINING DIVISION
REGION IV

June 12, 1952

Memorandum

To : W. R. Storms, Chief, Arizona-New Mexico Br., Mining Div., Region IV, Tucson, Ariz.

From : Lincoln A. Stewart, Mining Engineer, Tucson, Ariz.

Subject : Western Fiber Ores Co., Gila County, Ariz.
DMEA-2380

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Lincoln A. Stewart,
Mining Engineer,
Arizona-New Mexico Branch

CC W. M. King (Orig. & 8)
DMEA-2380
DF

LAStewart:frj

HERLIHY & HERLIHY
SUITE 516, PARK CENTRAL BLDG.
412 W. 6TH STREET
LOS ANGELES 14, CALIF.

May 26, 1952

Defense Minerals Administration
224 New Customhouse
Denver 2, Colorado

Attention: Mr. J. H. East, Jr., Executive Officer
Field Team, Region IV.

RE: DMEA DOCKET 2380
Western Fiber Ores Company

Dear Sir:

On April 15, 1952 you advised us that your field office would contact us well in advance of the date on which you expect to make a field examination. To date we have had no further word from you.

However, it has come to our attention that one of your field inspectors at Globe, Arizona, recently discussed the application at some length with a minority stockholder of this company. It is our understanding that during this discussion your field inspector was very critical of every aspect of our application for exploration aid.

We wish to advise you, and your field inspector through you, that at the time the application was made we were, and still are under the impression that we could rely upon, and in fact would be obligated to accept the constructive field advice of your office in connection with the exploration. We are likewise aware of the fact that the amount to be expended under a government contract must ultimately be determined by you.

In planning the exploration program we specifically omitted the use of core drilling as an aid in exploration, unless later developments indicated the advisability thereof. This conclusion was based in part upon information which has come to us to the effect that rather unsatisfactory results were obtained by core drilling in two explorations being financed by the government in the Globe area. It is further based upon our own views and observations that the asbestos ore bodies do not have sufficient continuity in the Chrysotile, Arizona area to warrant the extensive use of core drilling.

While the application may not be a model instrument from a technical standpoint, it was filed in the hope that aid might be

- continued -

obtained in the exploration of what we believe to be a good, and we hope an extensive body of asbestos ore.

We had hoped that the application might be acted upon promptly and favorably, so that the exploration phase of the operation might be completed. In the event the exploration should develop the presence of adequate bodies of ore, sufficient private capital would then be available to produce the ore and to build a crushing mill.

We now note that several typographical errors were made in drawing up the application. By interlineation, may we correct these errors? We refer to Form MF-103, page one, paragraph 2, A. - the word should be "Chrysotile" instead of "Chrysolite".

On page three, paragraph VII, "Total Operating Equipment Item 7, $29,880.00" should be corrected to $49,880.00.

In the same Form, page four, we have rechecked certain costs under paragraph IX. Public liability insurance was quoted to us at an improper rate. Social Security rates were figured at the California rate, rather than the Arizona rate. This paragraph is herewith corrected to read as follows:

IX.

1.	Accounting, timekeeping and bookkeeping, $400.00 per month for six months	$ 2,400.00
2.		
	A. Workman's Compensation Underground Mines and supervision at $10.25 per $100.00 of payroll	3,997.50
	Laborers (road) $6.61 per $100.00 of payroll	211.52
	B. Comprehensive Public Liability and Property Damage at $.12 per $100.00 of payroll	113.42
	C. Social Security @ $.015	633.00
	D. Water is available in sufficient quantities at no cost.	
	Total miscellaneous Item "9"	7,355.44
	Total cost of project	$ 106,485.44

May we assure you that in making the application, this company is primarily interested in furthering the purposes of the Defense Production Act of 1950, in securing the actual production of Asbestos Ore. The majority stockholders of the applicant have recently purchased the Johns-Manville properties at Chrysotile, Arizona, and are now in the course of re-equipping said properties with milling and processing machinery at considerable expense.

They are successfully producing and selling fiber from this property at the present time. These facts are mentioned to you at this time to aid you in determining the experience and bona fides of the management of the applicant.

Since good weather is now available to conduct the exploration work proposed in the application, may we be advised promptly as to when action may be taken by you in connection with our application?

Yours very truly,

WESTERN FIBER ORES COMPANY

By_____
Secretary

FGH:mc

CC: Acting Administrator
Defense Minerals Exploration Administration
Washington 25, D. C.

FILE COPY
SURNAME:

Chapman
Houk

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

600

MAR 17 1952

Mr. J. H. Kent, Jr.
Executive Officer, Region IV
Bureau of Mines
224 New Customhouse Building
Denver 2, Colorado

Subject: Docket No. DMA-2380
Asbestos
Western Fiber Ores Co.
Gila County, Arizona

Dear Mr. Kent:

We are sending you a review of the application for exploration assistance by Western Fiber Ores Company, Room 516, 412 West Sixth Street, Los Angeles 14, California.

We are also enclosing a review by J. J. Norton, U. S. Geological Survey, in which Dr. Oliver Bowles, U. S. Bureau of Mines, concurs.

Please have the Field Team expedite the consideration of this application.

Sincerely yours,

(signed) FRANK E. JOHNSON (DHB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

S.N.
3-17-52

Enclosures - 2

TLChapman:mp 3/13/52
Copy to: Adminis. Reading File
Oper. Comm. File
Docket File
J. J. Norton, G-230, GSA Bldg.
Oliver Bowles, 3522
L. G. Houk

Approved:

C. W. Johnson (DHB)
For Bureau of Mines

T. P. Thayer
For Geological Survey

FILE COPY
SURNAME:

Chapman
Houk
H. Johnson

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

600

MAR 17 1952

Western Fiber Ores Company
Room 516
412 West 6th Street
Los Angeles 14, California

Subject: Docket No. DMMA-2380 - Asbestos
Western Fiber Ores Co.
Gila County, Arizona

Gentlemen:

Your application for assistance in exploring your asbestos claims in Gila County, Arizona, has been reviewed by the Staff of the Defense Minerals Exploration Administration and has been referred to Mr. J. H. Keat, Jr., Executive Officer, Region IV, Bureau of Mines, 224 New Customhouse Building, Denver 2, Colorado, for field examination.

The Regional Office will contact you at an early date in regard to your project.

Sincerely yours,

C. O. Mittenderf (for) J.N. 3-17-52

Acting Administrator
Defense Minerals Exploration
Administration

TLChapman:mp 3/13/52
cc: Adm. Reading File
Docket File
J. J. Norton, G-228, GSA Bldg.
Oliver Bowles, 3522
L. G. Houk
Field Team, Region VI (2)

IN REPLY REFER TO:

G-MD-JJN

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

March 3, 1952

Memorandum

REVIEW OF APPLICATION DMEA-2380 (Asbestos).

To: L. G. Houk, Non-Metallic Minerals Division, DMEA.

From: J. J. Norton, U. S. Geological Survey.

Subject: Western Fiber Ores Company application (DMEA-2380) for aid in exploring various claims for asbestos.

Location of prospect: Gila County, Arizona.

Recommendation: Refer to field team.

Reasons for recommendation:

Much more data is needed in order to evaluate this application. Our chief source of information on Arizona asbestos is the files in the field team's Tucson office.

J. J. Norton

J. J. Norton

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2380
Metal or Mineral
Date Received 2-18-52
Amount $
Participation (Government %)

WESTERN FIBER ORES COMPANY
Rm. 516, 412 West 6th Street
Los Angeles 14, California

Name and address of applicant

Date February 11, 1952

If you have already filed MF-100, give date filed concurrently, type of assistance requested ~~aid under MO-5~~

DMA Docket Number (if available)

INSTRUCTIONS

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

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

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

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

Defense Minerals Administration
RECEIVED
FEB 18 1952

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

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

16—64067-2

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

WESTERN FIBER ORES COMPANY
(Name of company)

By F. G. Herlihy
(Signature of authorized official)
F. GEORGE HERLIHY

February 11, 1952
(Date)

SECRETARY
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Form MF-103 - Page One
Western Fiber Ores Company

I

A. The property held by the applicant consists of the following mining claims located in the McMillan Mining District, being seventeen in number, recorded in the office of theCounty Recorder of Gila County, Arizona, in the Records of Mines in the books and at the pages as follows:

NAME OF CLAIM	BOOK	PAGE
Salt River #1	48	229
Salt River #2	48	229
Dream Girl	48	265
Dream Girl #1	48	265
Little Sweet	48	266
Robert G.	48	266
William H.	48	267
Judy Ann #5	49	253
Judy Ann #4	49	252
Judy Ann #3	49	252
Judy Ann #2	49	251
Judy Ann #1	49	251
Linda #1	49	251
Black Beauty	49	325
Black Beauty #1	49	325
Black Beauty #2	49	325
Black Beauty #3	49	324

B. Answered in A. above

C. Exploration is to be conducted upon the lands described in A. above.

II

A. Chrysolite Asbestos Ore, unmilled.

B. Assessment and development work already done upon the property above described has shown the presence of Asbestos Ore. The showings aforesaid appear at approximately the same level and are in the same general geological formation as that found in adjoining asbestos mines now producing upon a commercial scale. The applicant has not procured geologic, engineering, assay reports, or maps.

III

A. The applicant proposes to make a road into the various claims from the existing gravel road, the nearest point of which is approximately

one mile from the nearest claim. With laterals, approximately one and one-half miles of road will be made. Since very little rainfall is anticipated, road surfacing will not be necessary during the exploration phase of the work. Thereafter, applicant proposes to move in eight 160 cubic feet compressors, sixteen air drilling machines and other necessary equipment, and to use sixteen miners. Exploratory tunnels and drifts will be made upon the seventeen claims at points indicated by the geological formation and the showings now upon the claims. Due to the nature of the asbestos deposits, core drilling is not to be undertaken, unless later developments indicate the advisability thereof. It is presently planned to spread the exploratory work equally over the seventeen claims unless ore in commercial quantities is found and blocked out, insofar as it is possible to do so, upon any given claim at a lesser cost.

The total cost of the project, based upon present known cost of equipment and labor is the sum of One Hundred Eight Thousand Sixteen and 42/100 Dollars ($108,016.42).

B. Upon the application being approved and funds being made available, work can be commenced forthwith. The project will require six months to complete.

IV

None available at this time.

V

There are no existing facilities, buildings, installations nor fixtures upon the property.

VI

A. The applicant proposes to purchase six trailer houses for living quarters for the crew. The cost of these trailer houses will be Six Hundred Dollars each, for the total sum of Three Thousand Six Hundred Dollars. $3,600.00

B. Six ore bins will be contructed at a cost of Four Hundred Dollars each, for the total cost of Two Thousand Four Hundred Dollars. 2,400.00

C. A water tank will be purchased for the sum of One Hundred Fifty Dollars. 150.00

D. The use of a machine shop,power tools and warehouse facilities will be rented at Chrysotile, Arizona, for a rental of $150.00 per month for six months, for a total sum of Nine Hundred Dollars. 900.00

Total cost of item "6". $7,050.00

VII

A. Rented

1. Road building equipment, fully maintained and driven, 30 days at $80.00 per day.	$ 2,400.00
2. One dump truck, fully maintained and driven, 150 days at $24.00 per day.	3,600.00
3. Eight 160 cubic foot compressor units, at $15.00 a day each for 150 days.	18,000.00

B. Purchased

1. Sixteen air drilling machines at $400.00 each.	6,400.00
2. Drill steel for 150 days.	1,600.00
3. Air hose and pipe for drills.	1,000.00
4. Miscellaneous small tools.	800.00
5. Powder, caps and fuse for 150 days.	6,000.00
6. Gas, diesel and oil for 150 days.	7,480.00
7. Mine timber 20,000 feet at $60.00 per foot.	1,200.00
8. Six hand operated mine cars and one thousand feet of track.	1,400.00

C. None

Total operating equipment item "7".	$29,880.00

VIII

1. Eight road laborers at $50.00, per week for eight weeks.	$ 3,200.00
2. Sixteen miners at $1.75 per hour each, eight hours per day for 150 days.	33,600.00
3. Superintendent $500.00 per month for six months.	3,000.00
4. Foreman $400.00 per month for six months.	2,400.00
Total labor and supervision item "8".	$42,200.00

IX

1. Accounting, timekeeping, and bookkeeping, $400.00 per month for six months. $ 2,400.00

2.

A. Workmen's Compensation Underground Mines and supervision @ $10.25 per $100.00 of payroll. 4,243.50

Laborers (road) $6.61 per $100.00 of payroll. 211.52

B. Comprehensive Public Liability and Property Damage @ .12 per $100.00 payroll. 892.00

C. Social Security @ .027. 1,139.40

D. Water is available in sufficient quantities at no cost.

Total miscellaneous item "9". $8,951.22

Total cost of project - - - - - - - - - - - - - - - - - - $108,016.42

X

A. Applicant is prepared to invest in the project the sum of Ten Thousand Eight Hundred One and 64/100 Dollars, ($10,801.64).

B. Said amount is sufficient to pay applicant's portion of the cost of said project.

XI

An associated company owned by a part of the stockholders of the applicant is now successfully engaged in the City of Los Angeles, California, in the commercial processing and fiberizing of asbestos crudes. The said associated company now plans to construct an asbestos cruding mill at Chrysotile, Arizona for the purpose of cruding asbestos ores, if any are produced as a result of the exploration project herein planned. Therefore, should asbestos ores in commercial quantities be found as a result of this exploration project it will then be possible to produce, crude, process and fiberize the asbestos under a unified plan of operation and within a limited geographical area, thus eliminating excessive freight hauls.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2380

Date received 2-18-52

Western Fiber Ores Company
Rm. 516, 412 West 6th St.
Los Angeles 14, California

Name and address of applicant

Date February 11, 1952

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee.
   ☐ Contractor.

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
W. D. Cluff	Pres. & D	None	$150 M	267	None	None	
G. W. Johns	V-Pres. & D	None	$ 80 M	133	None	None	
F. G. Herlihy	Sec. & D	None	$200 M	100	None	None	
E. H. Herlihy	Treas.	None	$200M	100	None	None	
Frank Witty		None	-	200			
	Total	None	x x x x x	800		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	$ 500,000	$ 1,000	$ 1.00	1000	None
Preferred stock	$ None	$	$		

*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.)	None				
2. Quantity of product processed (specify unit of measure and type of process)	None				
3. Quantity and grade of product sold or shipped (specify units of measure)	None				

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. Yes, upon completion of exploration.

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. Chrysotil[illegible]asbestos. None available[illegible]

(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)	No Estimate				
Indicated (probable)	No Estimate				

(c) If placer: Not a placer operation.

(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.

Western Fiber Ores Company
(Name of company)

By F. G. Herlihy
(Signature of authorized official)
F. G. Herlihy
Secretary
(Title)

February 11, 1952
(Date)

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

1. (a) Chrysotile Asbestos Ore, unmilled

   (b) None to date

2. Asbestos mining claims located in the McMillan Mining District, being Seventeen in number, recorded in the office of the county recorder of Gila County, Arizona, in the Records of Mines, in the books and at the pages and upon the dates as follows:

NAME OF CLAIM	BOOK	PAGE
Salt River #1	48	229
Salt River #2	48	229
Dream Girl	48	265
Dream Girl #1	48	265
Little Sweet	48	266
Robert G.	48	266
William H.	48	267
Judy Ann #5	49	253
Judy Ann #4	49	252
Judy Ann #3	49	252
Judy Ann #2	49	251
Judy Ann #1	49	251
Linda #1	49	251
Black Beauty	49	325
Black Beauty #1	49	325
Black Beauty #2	49	325
Black Beauty #3	49	324

   (a) (b) (c) (d) Only assessment and development work has been done upon the property to date.

   No flooding problem exists, nor is likely to arise upon the property.

3. (a) Forty miles north of Globe, Arizona. Shipping point Globe, Arizona.

   (b) McMillan Mining District.

   (c) A survey will be made by the applicant and this information will be furnished as soon as procured.

   (d) Gila County, State of Arizona.

4. (a) Property is not now in operation other than for assessment work.

   (b) As claim owner under above mining claims.

5. Number of years in production, none. It is estimated that production will start within six months from and after the approval of the receipt of aid under MO-5.

6. (a) The applicant is a newly formed corporation.

   (b) The President of the corporate applicant, Mr. W. D. Cluff,

is now and for the past two years, has been the principal owner and active manager of an asbestos processing and fiberizing plant at Los Angeles, California. He has developed specialized machinery for the purpose of improving the recovery of fiber from the ores and crudes. During the period aforesaid he has aided others in the exploration, location and development of asbestos ore bodies, and is one of the principal buyers and processors of asbestos crudes in the Globe area. He will have active superintendancy of the Company's operation.

The direct supervision of mining will be conducted by Mr. Frank Witty, a corporate stockholder. Mr. Witty has been actively engaged in mining and mine supervision for many years, particularly in the mining of asbestos ores. He is skilled in the mining methods peculiar to asbestos production.

7. (a) No work has been done upon the property other than assessment and development work as required by law. The work so far done gave encouraging showings of asbestos ore on each of the claims described.

(b) Adjoining the property on the West are the Canadian Asbestos Claims which have been producing asbestos commercially for approximately 20 years. On the South the property is bounded by the Phillips Asbestos Mines, which have been in constant production and profitable operation for approximately 40 years. The Geological structure and the out-croppings upon the property are the same as that found upon the adjoining mining properties.

(c) None available at this time.

13. Shipping and supply point is Globe, Arizona, a distance of 40 miles. The crew will reside in trailer houses at the site of operations. Machine shop and warehouse will be located at Chrysotile, Arizona, a distance of 12 miles. The main paved highway from Globe is located within 5 miles of the property. A hard surfaced gravelled road extends from paved road to within one mile of the property. All of the above roads are in good condition.

14. Water requirements will be minimal, being limited to domestic and drilling machine use. Adequate, all year supply of water is available from the Salt River, which flows within 2 miles of the property.

15. Internal combustion engines will be used exclusively at the property.

16. Sixteen miners and eight laborers will be employed.

17. An exploration project is planned. At present there is no equipment nor buildings upon the property. The applicant neither owns nor controls any equipment.

18. In the event that the exploration project planned is successful, a unified plan will be undertaken for prompt and economical mining, crushing, processing, and fiberizing of the asbestos ores. An asso-

ciated Company is now planning the construction of a modern asbestos crushing mill at Chrysotile which will limit the ore haul to 12 miles. The crudes as they come from the mill will then be taken to Globe, Arizona, where by truck and rail they will be taken to Los Angeles, at which point an associated Company is now successfully conducting a processing and fiberizing plant at which place the crudes will receive a final processing.

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA-2380

Commodity Asbestos

Total Amount $108,016.42

Govt. Participation $97,214.78

1. Name and Address of Applicant Western Fiber Ores Company

Room 516, 412 West 6th Street, Los Angeles 14, California

2. Location of Property Gila County, Arizona

McMillan Mining District

3. Mineral or metal Asbestos 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

c) None

d) Don't know—needs field examination yes

e) Is there an alternative and favorable project? no
(If so, attach an explanation)

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

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

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

productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? no

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 yes

b) Equipment and supplies yes
(question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* yes

d) Water (question 13)* yes

e) Power (question 13)* yes

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)* Don't know.

Is a field check needed on this point? yes

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

a) Is the project adequately described? yes

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

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

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? yes

If not, what part of it is?

Is this part a worthwhile exploration project? Don't know

d) Are the cost estimates detailed? yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? yes If so, attach a draft.

e) Are the cost estimates reasonable? Compressor rental appears to be high

f) Should more information be requested from applicant? _____

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

11. Exhibit B (question 23-d)*

a) Is it applicable? _____

b) If so, are sufficient data furnished? _____ If so, attach a draft.

c) Is a field check needed? _____

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

a) Is it applicable? _____

b) Sufficient data? _____ If so, attach a draft.

c) Are rents and charges reasonable? _____

d) Is a field check needed? _____

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

a) Are there sufficient data? _____

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

c) Is the schedule excessive for the work proposed? _____

d) Are the proposed wages and salaries reasonable? _____

e) Is a field check needed? _____

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? yes

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Field examination necessity may depend on data available in Tucson.

Reviewed by: Thos. L. Chapman

Date March 13, 1952

EXPLORATION

Subject: DMEA-2380
Re: Exploration Loan
Asbestos Mining Claims
February 18, 1952

Mr. F. George Herlihy, Secretary
Western Fiber Ores Company
Room 516, 412 West 6th Street
Los Angeles 14, California

My dear Mr. Herlihy:

This will acknowledge receipt of your application dated February 11, 1952 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2380 and referred to the Non-Metallics Division.

Kindly refer to DMEA-2380 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

DMEA-2380

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

February 15, 1952

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration, Washington, D. C.

From: Field Team, Region IV

Subject: Application for Exploration Assistance - Western Fiber Ores Company, Rm. 516, 412 West 6th Street, Los Angeles 14, California

Enclosed are three (3) copies of an application for exploration assistance submitted by the Western Fiber Ores Company estimated to cost $108,016.42. The property is located in Gila County, Arizona, and the commodity is asbestos.

J. H. East, Jr.

for A. H. Koschmann

Enclosure

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2380
Metal or Mineral
Date Received 2-18-52
Amount $
Participation (Government %)

WESTERN FIBER ORES COMPANY
Rm. 516, 412 West 6th Street
Los Angeles 14, California

Name and address of applicant

Date February 11, 1952

If you have already filed MF-100, give date filed concurrently, type of assistance requested ~~aid under MO-5~~

DMA Docket Number (if available)

INSTRUCTIONS

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

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

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

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

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*c*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FEB 18 1952

16—64067-2

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

WESTERN FIBER ORES COMPANY
(Name of company)

By F. G. Herlihy
(Signature of authorized official)
F. GEORGE HERLIHY

February 11, 1952
(Date)

SECRETARY
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Form MF-103 - Page One
Western Fiber Ores Company

I

A. The property held by the applicant consists of the following mining claims located in the McMillan Mining District, being seventeen in number, recorded in the office of theCounty Recorder of Gila County, Arizona, in the Records of Mines in the books and at the pages as follows:

NAME OF CLAIM	BOOK	PAGE
Salt River #1	48	229
Salt River #2	48	229
Dream Girl	48	265
Dream Girl #1	48	265
Little Sweet	48	266
Robert G.	48	266
William H.	48	267
Judy Ann #5	49	253
Judy Ann #4	49	252
Judy Ann #3	49	252
Judy Ann #2	49	251
Judy Ann #1	49	251
Linda #1	49	251
Black Beauty	49	325
Black Beauty #1	49	325
Black Beauty #2	49	325
Black Beauty #3	49	324

B. Answered in A. above

C. Exploration is to be conducted upon the lands described in A. above.

II

A. Chrysolite Asbestos Ore, unmilled.

B. Assessment and development work already done upon the property above described has shown the presence of Asbestos Ore. The showings aforesaid appear at approximately the same level and are in the same general geological formation as that found in adjoining asbestos mines now producing upon a commercial scale. The applicant has not procured geologic, engineering, assay reports, or maps.

III

A. The applicant proposes to make a road into the various claims from the existing gravel road, the nearest point of which is approximately

one mile from the nearest claim. With laterals, approximately one and one-half miles of road will be made. Since very little rainfall is anticipated, road surfacing will not be necessary during the exploration phase of the work. Thereafter, applicant proposes to move in eight 160 cubic feet compressors, sixteen air drilling machines and other necessary equipment, and to use sixteen miners. Exploratory tunnels and drifts will be made upon the seventeen claims at points indicated by the geological formation and the showings now upon the claims. Due to the nature of the asbestos deposits, core drilling is not to be undertaken, unless later developments indicate the advisability thereof. It is presently planned to spread the exploratory work equally over the seventeen claims unless ore in commercial quantities is found and blocked out, insofar as it is possible to do so, upon any given claim at a lesser cost.

The total cost of the project, based upon present known cost of equipment and labor is the sum of One Hundred Eight Thousand Sixteen and 42/100 Dollars ($108,016.42).

B. Upon the application being approved and funds being made available, work can be commenced forthwith. The project will require six months to complete.

IV

None available at this time.

V

There are no existing facilities, buildings, installations nor fixtures upon the property.

VI

A. The applicant proposes to purchase six trailer houses for living quarters for the crew. The cost of these trailer houses will be Six Hundred Dollars each, for the total sum of Three Thousand Six Hundred Dollars. $3,600.00

B. Six ore bins will be constructed at a cost of Four Hundred Dollars each, for the total cost of Two Thousand Four Hundred Dollars. 2,400.00

C. A water tank will be purchased for the sum of One Hundred Fifty Dollars. 150.00

D. The use of a machine shop, power tools and warehouse facilities will be rented at Chrysotile, Arizona, for a rental of $150.00 per month for six months, for a total sum of Nine Hundred Dollars. 900.00

Total cost of item "6". $7,050.00

VII

A. Rented

1. Road building equipment, fully maintained and driven, 30 days at $80.00 per day.	$ 2,400.00
2. One dump truck, fully maintained and driven, 150 days at $24.00 per day.	3,600.00
3. Eight 160 cubic foot compressor units, at $15.00 a day each for 150 days.	18,000.00

B. Purchased

1. Sixteen air drilling machines at $400.00 each.	6,400.00
2. Drill steel for 150 days.	1,600.00
3. Air hose and pipe for drills.	1,000.00
4. Miscellaneous small tools.	800.00
5. Powder, caps and fuse for 150 days.	6,000.00
6. Gas, diesel and oil for 150 days.	7,480.00
7. Mine timber 20,000 feet at $60.00 per foot.	1,200.00
8. Six hand operated mine cars and one thousand feet of track.	1,400.00

C. None

Total operating equipment item "7".	$29,880.00

VIII

1. Eight road laborers at $50.00, per week for eight weeks.	$ 3,200.00
2. Sixteen miners at $1.75 per hour each, eight hours per day for 150 days.	33,600.00
3. Superintendent $500.00 per month for six months.	3,000.00
4. Foreman $400.00 per month for six months.	2,400.00
Total labor and supervision item "8".	$42,200.00

IX

1. Accounting, timekeeping, and bookkeeping, $400.00 per month for six months. $ 2,400.00

2.

A. Workmen's Compensation Underground Mines and supervision @ $10.25 per $100.00 of payroll. 4,243.50

Laborers (road) $6.61 per $100.00 of payroll. 211.52

B. Comprehensive Public Liability and Property Damage @ .12 per $100.00 payroll. 892.00

C. Social Security @ .027. 1,139.40

D. Water is available in sufficient quantities at no cost.

Total miscellaneous item "9". $8,951.22

Total cost of project - $108,016.42

X

A. Applicant is prepared to invest in the project the sum of Ten Thousand Eight Hundred One and 64/100 Dollars, ($10,801.64).

B. Said amount is sufficient to pay applicant's portion of the cost of said project.

XI

An associated company owned by a part of the stockholders of the applicant is now successfully engaged in the City of Los Angeles, California, in the commercial processing and fiberizing of asbestos crudes. The said associated company now plans to construct an asbestos cruding mill at Chrysotile, Arizona for the purpose of cruding asbestos ores, if any are produced as a result of the exploration project herein planned. Therefore, should asbestos ores in commercial quantities be found as a result of this exploration project it will then be possible to produce, crude, process and fiberize the asbestos under a unified plan of operation and within a limited geographical area, thus eliminating excessive freight hauls.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA

FOR USE UNDER THE

DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2380

Date received 2-18-52

Western Fiber Ores Company
Rm. 516, 412 West 6th St.
Los Angeles 14, California

Name and address of applicant

Date February 11, 1952

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
W. D. Cluff	Pres. & D	None	$150 M	267	None	None	
G. W. Johns	V-Pres. & D	None	$ 80 M	133	None	None	
F. G. Herlihy	Sec. & D	None	$200 M	100	None	None	
E. H. Herlihy	Treas.	None	$200M	100	None	None	
Frank Witty		None	-	200			
	Total	None	x x x x x	800		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	$500,000	$ 1,000	$ 1.00	1000	None
Preferred stock	$ None	$	$		

*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.)	None				
2. Quantity of product processed (specify unit of measure and type of process)	None				
3. Quantity and grade of product sold or shipped (specify units of measure)	None				

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. Yes, upon completion of exploration.

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. Chrysotile asbestos. None available.

(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)	No Estimate				
Indicated (probable)	No Estimate				

(c) If placer: Not a placer operation

(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.

Western Fiber Ores Company
(Name of company)

By F. G. Herlihy
(Signature of authorized official)
F. G. Herlihy

February 11, 1952
(Date)

Secretary
(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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1. (a) Chrysotile Asbestos Ore, unmilled

   (b) None to date

2. Asbestos mining claims located in the McMillan Mining District, being Seventeen in number, recorded in the office of the county recorder of Gila County, Arizona, in the Records of Mines, in the books and at the pages and upon the dates as follows:

NAME OF CLAIM	BOOK	PAGE
Salt River #1	48	229
Salt River #2	48	229
Dream Girl	48	265
Dream Girl #1	48	265
Little Sweet	48	266
Robert G.	48	266
William H.	48	267
Judy Ann #5	49	253
Judy Ann #4	49	252
Judy Ann #3	49	252
Judy Ann #2	49	251
Judy Ann #1	49	251
Linda #1	49	251
Black Beauty	49	325
Black Beauty #1	49	325
Black Beauty #2	49	325
Black Beauty #3	49	324

   (a) (b) (c) (d) Only assessment and development work has been done upon the property to date.

   No flooding problem exists, nor is likely to arise upon the property.

3. (a) Forty miles north of Globe, Arizona. Shipping point Globe, Arizona.

   (b) McMillan Mining District.

   (c) A survey will be made by the applicant and this information will be furnished as soon as procured.

   (d) Gila County, State of Arizona.

4. (a) Property is not now in operation other than for assessment work.

   (b) As claim owner under above mining claims.

5. Number of years in production, none. It is estimated that production will start within six months from and after the approval of the receipt of aid under MO-5.

6. (a) The applicant is a newly formed corporation.

   (b) The President of the corporate applicant, Mr. W. D. Cluff,

is now and for the past two years, has been the principal owner and active manager of an asbestos processing and fiberizing plant at Los Angeles, California. He has developed specialized machinery for the purpose of improving the recovery of fiber from the ores and crudes. During the period aforesaid he has aided others in the exploration, location and development of asbestos ore bodies, and is one of the principal buyers and processors of asbestos crudes in the Globe area. He will have active superintendancy of the Company's operation.

The direct supervision of mining will be conducted by Mr. Frank Witty, a corporate stockholder. Mr. Witty has been actively engaged in mining and mine supervision for many years, particularly in the mining of asbestos ores. He is skilled in the mining methods peculiar to asbestos production.

7. (a) No work has been done upon the property other than assessment and development work as required by law. The work so far done gave encouraging showings of asbestos ore on each of the claims described.

(b) Adjoining the property on the West are the Canadian Asbestos Claims which have been producing asbestos commercially for approximately 20 years. On the South the property is bounded by the Phillips Asbestos Mines, which have been in constant production and profitable operation for approximately 40 years. The Geological structure and the out-croppings upon the property are the same as that found upon the adjoining mining properties.

(c) None available at this time.

13. Shipping and supply point is Globe, Arizona, a distance of 40 miles. The crew will reside in trailer houses at the site of operations. Machine shop and warehouse will be located at Chrysotile, Arizona, a distance of 12 miles. The main paved highway from Globe is located within 5 miles of the property. A hard surfaced gravelled road extends from paved road to within one mile of the property. All of the above roads are in good condition.

14. Water requirements will be minimal, being limited to domestic and drilling machine use. Adequate, all year supply of water is available from the Salt River, which flows within 2 miles of the property.

15. Internal combustion engines will be used exclusively at the property.

16. Sixteen miners and eight laborers will be employed.

17. An exploration project is planned. At present there is no equipment nor buildings upon the property. The applicant neither owns nor controlls any equipment.

18. In the event that the exploration project planned is successful, a unified plan will be undertaken for prompt and economical mining, cruding, processing, and fiberizing of the asbestos ores. An asso-

ciated Company is now planning the construction of a modern asbestos cruding mill at Chrysotile which will limit the ore haul to 12 miles. The crudes as they come from the mill will then be taken to Globe, Arizona, where by truck and rail they will be taken to Los Angeles, at which point an associated Company is now successfully conducting a processing and fiberizing plant at which place the crudes will receive a final processing.