DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA
~~DMA~~ Docket No. 1434

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip

To: Iron & Ferro-Alloys Date 11/23/51

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

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To: _____ Date _____

DO NOT DETACH

CONTROLLED DOCUMENT

JAN 14 1952

American Perlite Company
c/o Art Detloff
5027 Rosewood Avenue
Los Angeles 46, California

Re: Docket No. DMA 1434X - Tungsten
Fleetwood Tungsten Mine
Inyo County, California

Dear Mr. Detloff:

We have reviewed your application for an exploration loan in conjunction with other data available to us in Washington.

The information notes a small amount of marginal ore, and indicates, further, that geologically there is little probability of making a significant mineral discovery.

We regret, therefore, to inform you that your application is herewith denied.

We wish to thank you for the interest you have shown in the Defense Minerals Program.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

JLFrewer:lm
1/8/52

cc: Admn. Reading File
Mails and Files Br.
C. O. Mittendorf
R. W. Deehan, USGS
D. H. Lemmon, USBS
Field Team Reg. III
Docket
G. C. Selfridge
J. L. Frewer

January 7, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Denial of exploration project in the amount of $31,778.89
Docket No. DMA 1434X - Tungsten
Fleetwood Tungsten Mine
Inyo County, California

The subject application was denied for the following reasons:

1. The scheelite occurs in a 1 to 2 foot quartz vein which lies within a 4 foot crushed zone (a bedding-plane fault in limestone). Scheelite occurs irregularly in elongate bunches in the quartz, confined generally to two "shoots", each extending 10 to 15 feet (scaled from map) along the vein.

2. Assay values of shoot "S-1" shows 0.78 WO_3; shoot "S-2" shows 0.06 WO_3; the ultra-violet lamp indicates only marginal grade ore at best.

3. The lease of the American Perlite Company, applicant herein, is considered to have lapsed in October, 1951, by the land owner, Richard Thompson, who shows little interest in applying for an exploration loan.

4. The field team indicates that the loan is not warranted by existing ore exposures; the Geological Survey recommends denial on essentially the same basis as the field team; the Bureau of Mines concurs.

~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~

G.L.Brewer:lm
1/7/52

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

cc: Admn. Reading File
Mails and Files Br.
Docket
G. C. Selfridge
G. L. Brewer

C
O
P
Y

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

January 2, 1952

Memorandum

To: D.M.E.A.

From: R. W. Geehan, Bureau of Mines

Subject: Exploration application $31,778.89
American Perlite Company
c/o Art Detloff
8827 Rosewood Avenue
Los Angeles, California

DMA 1434X
Tungsten

Property: Fleetwood Claim
Panamint District
Inyo County, California

Recommendation: It is recommended that the application be denied in accord with the findings of D. M. Lemmon.

/s/ Robert W. Geehan

/t/ Robert W. Geehan

D.M.E.A.

December 4, 1951

D. M. Lemmon, U. S. Geological Survey

Exploration application $31,778.89 DMA 1434-X Tungsten
American Perlite Co.
c/o Art Detloff
8827 Rosewood Ave.
Los Angeles, California

File

Property: Fleetwood claim
Panamint district
Inyo County, Calif.

Conclusion: A field examination made October 17, 1951 by the Field Team, Region III, showed the following:

1) The mineralization is of marginal grade and could not be worked profitably.
2) The applicant's lease is no longer in good standing, according to the owner of the property. This information was substantiated by correspondence between Field Team and applicant.

Recommendation:

It is recommended that the application be denied because the deposit does not merit further exploration.

Dwight M. Lemmon

DMLemmon:gt

Complete docket 12
op com for device
1/8-52

400
FILE COPY
SURNAME:

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

Brewer
Selfridge
Hedges
Thayer
Johnson

JAN 11 1952

American Perlite Company
c/o Art Detloff
8827 Rosewood Avenue
Los Angeles 48, California

Re: Docket No. DMA 1434X - Tungsten
Fleetwood Tungsten Mine
Inyo County, California

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We wish to thank you for the interest you have shown in the Defense Minerals Program.

Sincerely yours,

C. O. Mittendorf (for) 1-11-52

Acting Administrator
Defense Minerals Exploration
Administration

QLBrewer'lm
1/8/52

cc: Admn. Reading File
Mails and Files Br.
C. O. Mittendorf
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. III
Docket
G. C. Selfridge
Q. L. Brewer

A.R.

400

FILE COPY
SURNAME:

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

Brewer
Selfridge

January 7, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Denial of exploration project in the amount of $31,778.89
Docket No. DMA 1434X - Tungsten
Fleetwood Tungsten Mine
Inyo County, California

The subject application was denied for the following reasons:

1. The scheelite occurs in a 1 to 2 foot quartz vein which lies within a 4 foot crushed zone (a bedding-plane fault in limestone). Scheelite occurs irregularly in elongate bunches in the quartz, confined generally to two "shoots", each extending 10 to 15 feet (scaled from map) along the vein.

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3. The lease of the American Perlite Company, applicant herein, is considered to have lapsed in October, 1951, by the land owner, Richard Thompson, who shows little interest in applying for an exploration lease.

4. The field team indicates that the lean is not warranted by existing ore exposures; the Geological Survey recommends denial on essentially the same basis as the field team; the Bureau of Mines concurs.

~~The application is therefore denied by this memorandum.~~

QLBrewer'lm
1/7/52

cc
1-11-52

cc: Admn. Reading File
Mails and Files Br.
Docket
G. C. Selfridge
Q. L. Brewer

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

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

January 7, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Denial of exploration project in the amount of $31,778.89
Docket No. DMA 1434X - Tungsten
Fleetwood Tungsten Mine
Inyo County, California

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3. The lease of the American Perlite Company, applicant herein, is considered to have lapsed in October, 1951, by the land owner, Richard Thompson, who shows little interest in applying for an exploration loan.

4. The field team indicates that the loan is not warranted by existing ore exposures; the Geological Survey recommends denial on essentially the same basis as the field team; the Bureau of Mines concurs.

~~The application is hereby denied by this division.~~

G. C. Selfridge

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

January 2, 1952

Memorandum

To: D.M.E.A.

From: R. W. Geehan, Bureau of Mines

Subject: Exploration application $31,778.89
American Perlite Company
c/o Art Detloff
8827 Rosewood Avenue
Los Angeles, California

DMA 1434-X
Tungsten

Property: Fleetwood Claim
Panamint District
Inyo County, California

Recommendation: It is recommended that the application be denied in accord with the findings of D. M. Lemmon.

Robert W. Geehan

Robert W. Geehan

No ATTACHMENTS - 1/4/52 - B.L.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : D.M.E.A. DATE: December 4, 1951

FROM : D. M. Lemmon, U. S. Geological Survey

SUBJECT: Exploration application $31,778.89 DMA 1434-X Tungsten
American Perlite Co.
c/o Art Detloff
8827 Rosewood Ave.
Los Angeles, California

Property: Fleetwood claim
Panamint district
Inyo County, Calif.

Conclusion: A field examination made October 17, 1951 by the Field Team, Region III, showed the following:

1) The mineralization is of marginal grade and could not be worked profitably.
2) The applicant's lease is no longer in good standing, according to the owner of the property. This information was substantiated by correspondence between Field Team and applicant.

Recommendation:
It is recommended that the application be denied because the deposit does not merit further exploration.

Dwight M. Lemmon

OFFICE OF THE ADMINISTRATOR

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

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

NOV 14 2 30 PM '51

Office of
Executive Officer
DMA Field Team
Region III

DEPARTMENT OF THE INTERIOR
RECEIVED
NOV 2 3 1951
Defense Minerals Administration,
Production Expansion Division.

1012 Flood Bldg.
870 Market Street
San Francisco 2, Calif.

November 14, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee,
Defense Minerals Administration, Washington 25, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Docket DMA-1434X, Tungsten
Fleetwood Tungsten Mine, Inyo County, California

Reference is made to your "Review of Application for Exploration Assistance," dated September 28, in connection with the American Perlite Company.

Attached are four copies of a report, "DMA-1434X, Fleetwood Tungsten Mine, Inyo County, California," by Edward M. MacKevett and Charles D. Rinehart, Geologists, U. S. Geological Survey, dated November 9, 1951.

The geologists conclude that there are two scheelite-bearing zones on the property that at best are of marginal grade under present economic conditions. It is questionable if an exploration program could be justified at the present time.

The Region III Field Team believe that an exploration loan is not warranted unless more prospecting discloses more attractive mineralization than that already exposed.

Docket file is returned herewith.

S. Ricker, Acting for
H. C. Miller, Executive Officer
DMA Field Team, Region III

Attachments

Copy to: E. H. Bailey, U.S.G.S.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

Nov 19 2 30 PM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1434x, Fleetwood Tungsten Mine

Inyo County, California

Edward M. MacKevett, Geologist
Charles D. Rinehart, Geologist
U. S. Geological Survey

November 9, 1951

Introduction

The Fleetwood Tungsten Mine was examined at the request of Mr. Tom Lyon, Director, Supply Division, Defense Minerals Administration, in order to determine the feasibility of government participation in a $31,778.89 exploration loan. The property is owned by Mr. Richard Thompson of Trona, California, and at the time of application for government assistance, was under lease to Mr. Art Detloff, general partner in the American Perlite Company, applicants for the loan. However, discussion with the owner and later correspondence from Mr. Detloff indicated that the latter had defaulted the lease early in October, 1951.

One day, October 17, 1951, was spent by E. M. MacKevett and C. D. Rinehart of the Geological Survey, accompanied by the owner in examining the mine. Two chip samples were taken and a Brunton-tape survey, at a scale of one inch equals forty feet, was made.

The property consists of Fleetwood claims nos. 1, 2 and 3, and the Virginia Dare claims, all unpatented, at the head of Water Canyon near the crest of the Panamint Range in Inyo County, California. It is 1½ miles northeast of Panamint City, just north of the center of T. 21 S., R. 45 E., MDBM (projected). Access to the property from Panamint Springs is as follows: Go southeast on the Panamint Springs-Trona road 24.5 miles to the intersection of the Surprise Canyon road; turn east and go 15.4 miles to the property. The last mile of the road is very steep and impassable to conventional passenger cars.

The property was located and developed to its present state by the present owner during World War II. A copy of a purchase order indicates that 3250.5 pounds of concentrates averaging 66.07% WO_3 were shipped to The Clifford Ach Co., Los Angeles, California, on August 2, 1946. Operations by the American Perlite Company consisted in the construction of approximately one-half mile of road, and in driving the northeast trending drift from the bottom of the inclined shaft. Water is available less than one-half mile from the property.

The workings consist of a 170 foot inclined shaft, a 25-foot southwest trending drift near the collar, and a 40 foot northeast-trending drift at the bottom (see sketch map).

Geology

The property is underlain by a thin-bedded, finely-crystalline, brownish-gray limestone. From its location and appearance, the limestone is probably the Sour Dough member of the Telescope Group of lower Paleozoic age 1/.

1/ Murphy, F. M., Geology of a part of the Panamint Range, California: Twenty-eighth Report of The State Mineralogist, California State Division of Mines, pp. 329-355, 1932.

The regional strike of the sediments is north, but at the property the limestone strikes N. 38° E. and dips 24° northwest. The workings explore a bedding fault in the limestone. The fault consists of a four-foot crushed zone within which is a one to two foot vein of scheelite-bearing quartz.

Scheelite occurs within the quartz vein as elongate bunches, ranging from a few inches to two feet in length, and having a wide variation in grade. These bunches are generally localized along the hanging-wall side of the vein and are confined to two principal ore shoots. Although lower grade scheelite was observed elsewhere in the vein, the ore shoots are fairly well defined and have a general north-south trend within the vein (see sketch map). The vein can be traced for at least 300 feet north of the workings, and the owner reports outcrops for several hundred yards to the south. The scheelite occurrence to the south, however, is reported to be very spotty.

Conclusions

The workings were examined with the aid of an ultra-violet lamp, and two chip samples taken at the points indicated on the sketch map. The samples were assayed by the Hydrometallurgical and Ore-Dressing Branch of the Bureau of Mines and the results tabulated on the map. The aim in sampling was to represent the average grade of each ore-shoot as the showings between the ore-shoots indicate a much lower grade. The overall appearance of the scheelite in the workings, as well as the assays, suggest that the ore is of marginal grade at best, and unless showings elsewhere on the property reveal higher grade ore, the feasibility of an exploration program would be highly questionable.

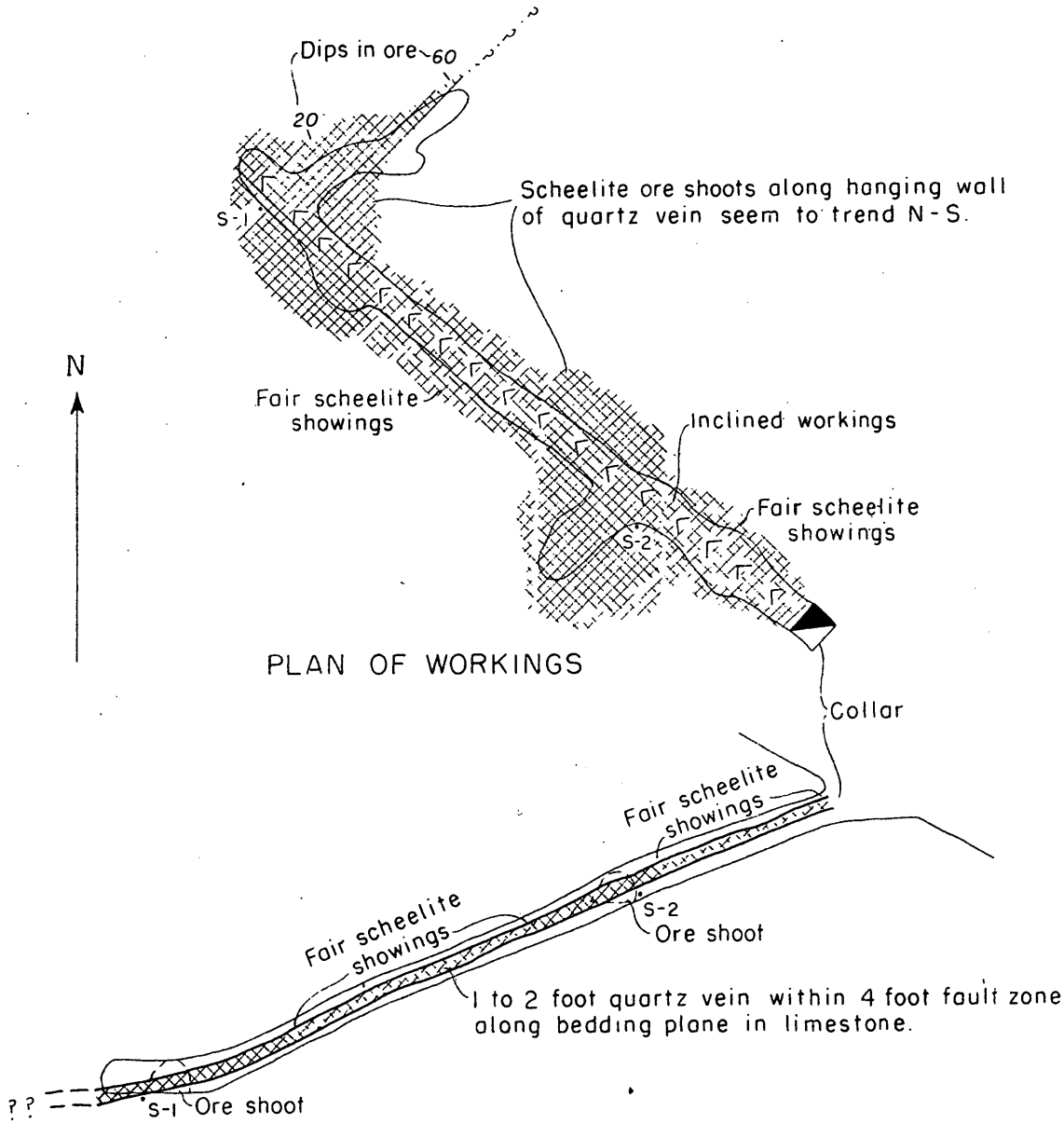
The present owner showed little interest in applying for government assistance in exploring the property, and the lease, formerly held by the American Perlite Company, was violated prior to the present examination. It was felt, therefore, that a more comprehensive examination was not warranted.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA 1434X
(TUNGSTEN)

ASSAYS

Sample No.	Width in feet	% WO_3
S-1	3.0	0.78
S-2	2.0	0.06



Mapped October 17, 1951
E. M. MacKevett and C. D. Rinehart

SKETCH MAP OF FLEETWOOD MINE, INYO COUNTY, CALIFORNIA

0 40 80 120 Feet

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

Nov 19 2 30 PM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1434, Fleetwood Tungsten Mine

Inyo County, California

Edward M. MacKevett, Geologist
Charles D. Rinehart, Geologist
U. S. Geological Survey

November 9, 1951

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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA 1434X
(TUNGSTEN)

ASSAYS

Sample No.	Width in feet	% WO_3
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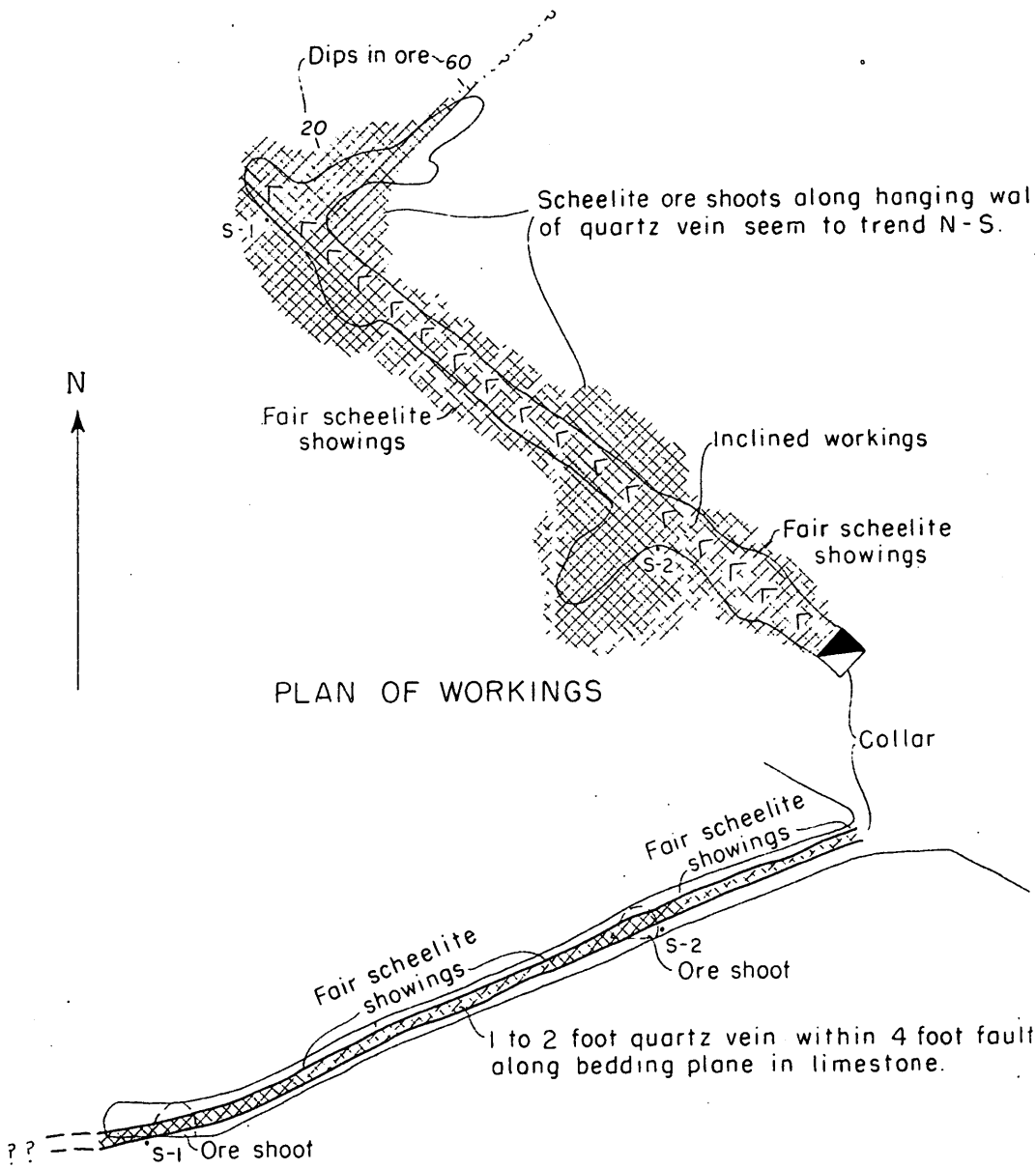
S-2	2.0	0.06



Mapped October 17, 1951
E. M. MacKevett and C. D. Rinehart

SKETCH MAP OF FLEETWOOD MINE, INYO COUNTY, CALIFORNIA

0 40 80 120 Feet

American Pabst Co. 1434 X

Applicant still has not provided map of vein, and no a large part of work (2 raises to surface) appears to be development.

Sales return shows only 107 units shipped; still not much ore if $2,500 worth.

Do you have sample map?

American Perlite Co.
3327 Rosewood Avenue
Los Angeles, California

In reply please refer to
DMA-1434X

Dear Mr. Detloff:

This in reply to your letter of October 15, 1951.

In accordance with your request, we are enclosing five copies of Form MF-101 and five copies of MF-100.

Very truly yours,

George B. Holderer

George B. Holderer
Chief, Tungsten Branch

Enclosures

GBHolderer:ll 10/23/51
CC: DMA Docket File
Adm. Reading File
Mr. Holderer

American Perlite Co.

~~FURNISHED IN THE RAW~~

P. O. BOX 712 · ~~BIG PINE, CALIFORNIA~~

8827 Rosewood Ave
LA 48

OCT 17 1951
Rec'd by
Mr. Holderer

10/15 1951

Mr George B Holderer
Chief Tungsten Branch
D M A

Dear Mr Holderer:—

I would like to have application papers for a production loan above $50,000 for moving our large plant and installing it.

yours
Art Dilloff
8827 Rosewood Ave
LA 48

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 17 9 10 AM '51

OFFICIAL FILE COPY

To	Init.	Date
340	ce	10/17
210		

Air Mail

SEP 28 1951

American Perlite Co.
c/o Mr. Art Detloff
8827 Rosewood Ave.
Los Angeles 48, California

In reply please refer to
DMA-1434X

Dear Mr. Detloff:

In reviewing your application we have found that additional information is required. Therefore, we are referring it to our field team for further consideration.

We suggest you contact Mr. H. C. Miller, 1012 Flood Building, 870 Market St., San Francisco, California, and offer whatever assistance he may need.

Very truly yours,

SIGNED
Tom Lyon, Director
Supply Division

CHJacoby:ll 9/24/51
CC : DMA Docket File
Adm. Reading File
Mr. Lemmon
Mr. Geehan
Mr. Holderer
Field Team Region XII
Coord. Comm.

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

SEP 28 '45

Mr. H. C. Miller, Executive Officer
DMA Field Team, Region III
1012 Flood Building
870 Market St.
San Francisco, California

Dear Sir:

We attach "Review of Application for Exploration Assistance"

on:

Docket No. 1434x

Commodity Tungsten

Applicant American Perlite Co.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

CC: DMA Docket File
~~Reports and Records Unit~~
Coordinating Committee
Mr. Holderer
Field Team, Region III

For Bureau of Mines

For Geological Survey

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. ~~1434~~X

To: Reports and Records Branch

From: ~~Tungsten Branch~~

Date: ~~September 25, 1951~~

The following action has been taken this date on the above Controlled Document.

Forwarded to ~~Field Team Region III Through Coordinating Committee~~

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $ _____

Other action, specify:

Index of File to Field Team
DMA -1434X Tungsten

1 copy MF-103 with attached sheets
1 copy MF-100 with attached sheets
1 copy memo to DMA from Regional Director dated 5/25/51
1 copy letter to A. P. C. from Strobel dated 6/7/51
1 copy letter to A. P. C. from Holderer dated 7/17/51
1 copy letter to Holderer from A . P. C. dated 8/6/51
1 copy letter to A. P. C. from C. W. Jones dated 4/15/51
1 copy letter to A. P. C. from Holderer dated 8/15/51
1 copy MF-200 dated 8/24/51
1 copy MF 103 dated 8/24/51
1 copy California State Division of Mines map.
1 copy Purchase Order for tungsten
1 copy letter to Holderer from A. P. C. dated 8/27/51

9/22/51

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1434 [illegible]

Commodity Tungsten

Total Amount $1,[illegible]

Govt. Participation $23,834.07

1. Name and Address of Applicant American Petrite Co.
7A-1 Dethi 4 6327 Rosecrans Ave., Los Angeles, Calif.

2. Location of Property [illegible]
Mining District, Tuolumne County, Tuolumne County, California.

3. Mineral or metal Tungsten 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 ✓

e) Is there an alternative and favorable project?
(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? Yes

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

productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

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? No.

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

Is a field check needed on this point? Yes

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

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

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

If not, what part of it is?

Is this part a worthwhile exploration project? Yes

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? No - ?

f) Should more information be requested from applicant? Yes

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

11. Exhibit B (question 23-d)*

a) Is it applicable? No

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? Yes

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? No ?

d) Is a field check needed? Yes

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

a) Are there sufficient data? No (a Minerals @ $16/day. No tobacco)

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

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable? ?

d) Field check needed? Yes

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? Check scrapings of shafts, [illegible] and [illegible] appear to be [illegible]

Reviewed by: [illegible]

Date [illegible]

INT.-DUP. SEC., WASH., D.C. 99009

August 24, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1951

Mr. George B. Holderer,
Chief, Tungsten Branch,
Defense Minerals Administration,
Washington 25, D. C.

Ref: DMA - 1434X

Dear Mr. Holderer:

This is in response to your letters dated July 17 and August 16, 1951, relative to our application. We have revised MF 103 and enclose it herewith, together with the appropriate schedules.

In the second paragraph of our letter of August 6, 1951, we furnished the information regarding the sampling of the ore, together with the original assay report in connection therewith. You have apparently retained this assay report in your file.

For your further information, we are enclosing a copy of a purchase order of the Clifford L. Ach Company, dated August 2, 1946, which has just come into our possession. This purchase order covers part of the tungsten extracted from this shaft and sold on the dates indicated. It was milled in a very small mill then on the property. This form will further indicate the quality of the ore from this project.

The U.S.G.S. map is again enclosed for your use.

We have started machinery installation and other development work on the project. I trust we have furnished the information you want, if not, please advise me and I will endeavor to furnish it.

Very truly yours,

Art Detloff

Art Detloff

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DEPARTMENT OF THE INTERIOR Defense Minerals Administration DMA 1434

Date received RECEIVED AUG 27 1951

Participation

American Perlite Co.
% Art Metloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date August 24, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost 31,778.89

Mineral or metal Mineral

Percentage of Government participation 65%

Location of mine Fern Mining District, Inyo County, California

Date of filing MF-100 May 22, 1951

DMA Docket Number, if available 1434

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. Lessor.

7. If lessee, attach a copy of the lease and state if it is in good standing. Lease, copy previously furnished, is in good standing.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Applicant is prepared to invest 35%, or 11,122.61, which is sufficient to pay its part of the cost of the project.

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

15. State in detail how the ore could be shipped and how and where milled. (Ore trucked 3/4 mi. from mine to mill (site, and concentrate trucked 36 mi. to (shipping point.

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

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

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

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

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.
None

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.
See diagram for proposed work and progress schedule; estimated time required to complete: 6 mo.
NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.
Shaft in existence on location reveals vein which was sampled. See Item 7 (c) Form MP100

THE REQUIREMENTS AND COSTS

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

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.
Proposed work as indicated on diagram expected to be completed within 6 months after approval, expected cost 31,770.39

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.

American Perlite Co. (Name of company)

By Art Dethloff (Signature of authorized official)

May 21, 1951 (Date)

General Partner (Title)

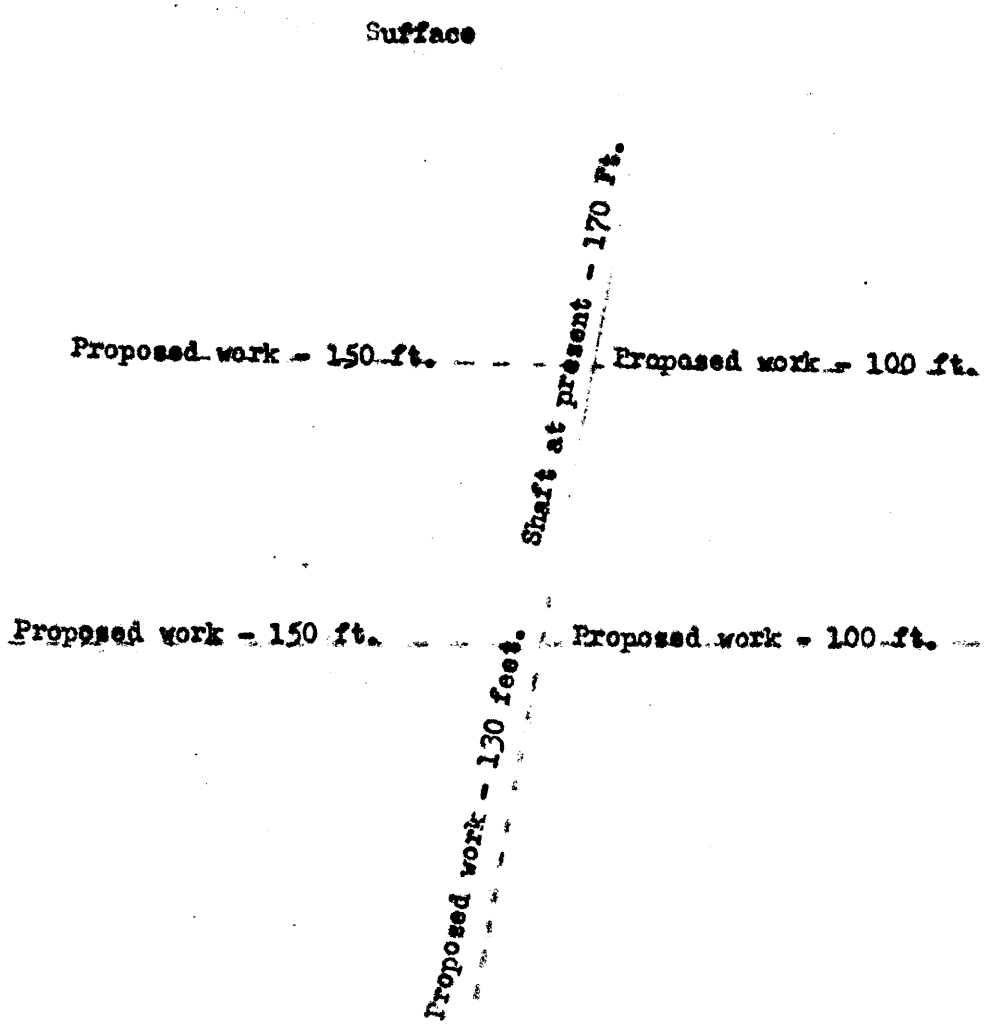
Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

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

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

21. Diagram of Proposed work.



The tungsten vein runs from surface to face of shaft, from 24 to 36 inches wide.

American Perlite Co.
Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

23. Tabulation of estimated requirements and costs of the project.

	1st Mo.	2nd Mo.	3rd Mo.	4th Mo.	5th Mo.	6th Mo.
1. Progress expected	(Moving, assembling, & installing Eqpt. & Supplies	100 ft. drift.	100 ft. drift & 30 ft. sinking.	150 ft. drift.	100 ft. sinking.	150 ft. drift.
2. Estimated expenditures:						
(a) Labor:	2,304.00	2,304.00	2,304.00	2,304.00	2,304.00	2,304.00
(b) Supervisors:	500.00	500.00	500.00	500.00	500.00	500.00
(c) Cost of Necessary repairs:	250.00	250.00	250.00	250.00	250.00	250.00
(d) None contemplated for development.						
(e) None contemplated for development.						
(f) None contemplated for development.						
(g) Rental value of items of equipment which the operator now owns:	700.00	700.00	700.00	700.00	700.00	700.00
(h) Cost of Materials and Supplies:						
Timber		200.00	200.00	200.00	200.00	200.00
Drill Bits		88.71	88.71	88.71	88.71	88.71
Gas & Oil for air compressor and Hoist		931.20	931.20	931.20	931.20	931.20
Powder & Fuses & Caps		247.68	247.68	247.68	247.68	247.68
(i) Cost of power, water, utilities and other items:						
Power: None, see item (h)						
Water: None, cost-free under lease						
Utilities: None						
Other Items:						
Payroll Taxes	96.77	96.77	96.77	96.77	96.77	96.77
Compensation Insurance	184.32	230.40	230.40	230.40	230.40	230.40
Total estimated monthly expenditures	4,035.09	5,548.76	5,548.76	5,548.76	5,548.76	5,548.76

August 24, 1951

Mr. George B. Holderer,
Chief, Tungsten Branch,
Defense Minerals Administration,
Washington 25, D. C.

Ref: DMA - 1434X

Dear Mr. Holderer:

This is in response to your letters dated July 17 and August 16, 1951, relative to our application. We have revised MF 103 and enclose it herewith, together with the appropriate schedules.

In the second paragraph of our letter of August 6, 1951, we furnished the information regarding the sampling of the ore, together with the original assay report in connection therewith. You have apparently retained this assay report in your file.

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The U.S.G.S. map is again enclosed for your use.

We have started machinery installation and other development work on the project. I trust we have furnished the information you want, if not, please advise me and I will endeavor to furnish it.

Very truly yours,

Art Detloff

Art Detloff

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DEPARTMENT OF THE INTERIOR Defense Minerals Administration DMA 1434
Date received RECEIVED
Participation AUG 27 1951

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date August 24, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951
Estimated cost 31,778.89
Mineral or metal Mineral
Percentage of Government participation 65%
Location of mine Kern Mining District, Inyo County, California

Date of filing MF-100 May 22, 1951
DMA Docket Number, if available 1434X

INSTRUCTIONS

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THE APPLICANT

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

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

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16—64067-1

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Shaft in existence on location reveals vein which was sampled. See Item 7 (c) Form MF100

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Proposed wotk as indicated on diagram expected to be completed within 6 months after approval, expected cost 31,778.89

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.

American Perlite Co.
(Name of company)

By Art Dethloff
(Signature of authorized official)

May 21, 1951
(Date)

General Partner
(Title)

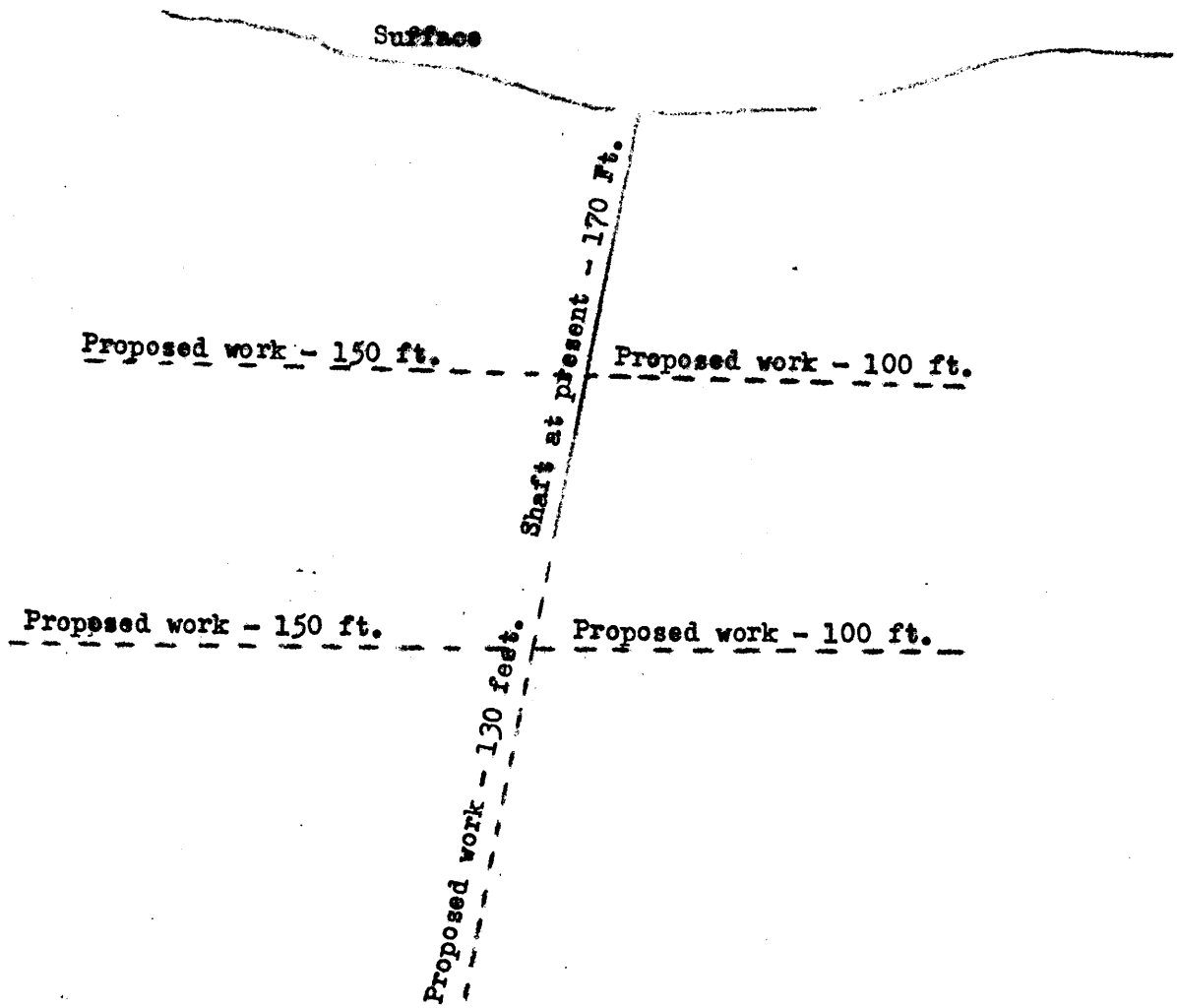
Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

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

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

21. Diagram of Proposed work.



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American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

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Utilities: None						
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August 24, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1951

Mr. George B. Holderer,
Chief, Tungsten Branch,
Defense Minerals Administration,
Washington 25, D. C.

Ref: DMA - 1434X

Dear Mr. Holderer:

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Art Detloff

Art Detloff

1 [illegible]103
([illegible] 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket DEPARTMENT OF THE INTERIOR DMA 1434
Defense Minerals Administration
Date received RECEIVED
AUG 27 1951
Participation

American Perlite Co.
Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date August 24, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost 31,778.89

Mineral or metal Mineral

Percentage of Government participation 65%

Location of mine Kern Mining District, Inyo County, California

Date of filing MF-100 May 22, 1951

DMA Docket Number, if available 1434

INSTRUCTIONS

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Applicant is prepared to invest 35% or 11,122.61, which is sufficient to pay its part of the cost of the project.

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

15. State in detail how the ore could be shipped and how and where milled. (Ore trucked 3/4 mi. from mine to mill (site, and concentrate trucked 36 mi. to (shipping point.

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

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

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

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

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.
None

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.
See diagram for proposed work and program schedule; estimated time required to complete: 6 mo.
NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.
Shaft in existence on location reveals vein which was sampled. See Item 7 (c) Form MF100

THE REQUIREMENTS AND COSTS

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

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.
Proposed work as indicated on diagram expected to be completed within 6 months after approval, expected cost $1,778.69

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.

American Perlite Co. (Name of company) — By [signature] (Signature of authorized official)

May 21, 1951 (Date) — General Partner (Title)

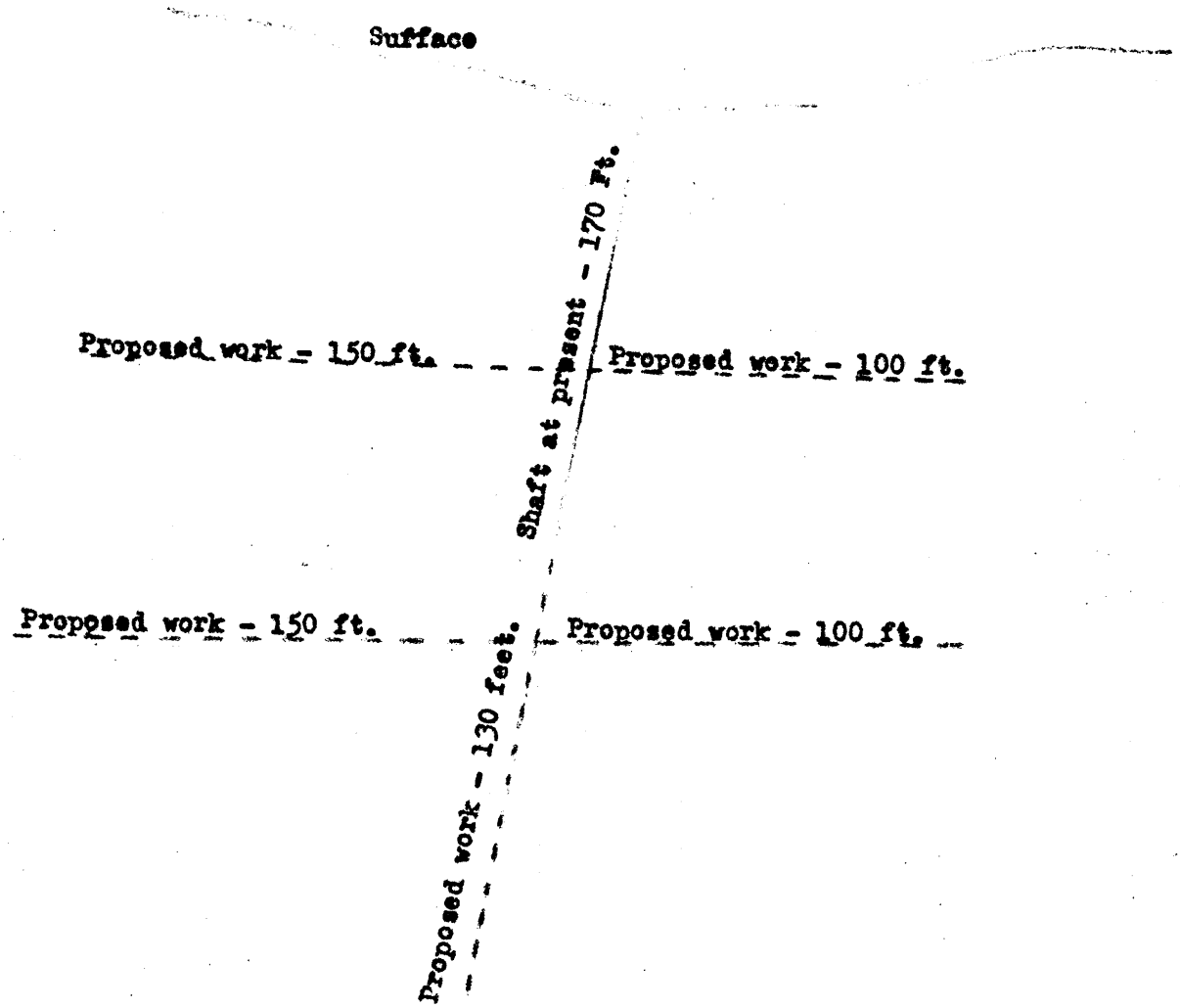
Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

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

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

21. Diagram of Proposed work.



The tungsten vein runs from surface to face of shaft, from 24 to 36 inches wide.

American Perlite Co.
℅ Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

23. Tabulation of estimated requirements and costs of the project.	1st Mo.	2nd Mo.	3rd Mo.	4th Mo.	5th Mo.	6th Mo.
1. Progress expected	(Moving, assembling, & installing Eqpt. & Supplies	100 ft. drift.	100 ft. drift & 30 ft. sinking.	150 ft. drift.	100 ft. sinking.	150 ft. drift.
2. Estimated expenditures:						
(a) Labor:	2,304.00	2,304.00	2,304.00	2,304.00	2,304.00	2,304.00
(b) Supervisors:	500.00	500.00	500.00	500.00	500.00	500.00
(c) Cost of Necessary repairs:	250.00	250.00	250.00	250.00	250.00	250.00
(d) None contemplated for development.						
(e) None contemplated for development.						
(f) None contemplated for development.						
(g) Rental value of items of equipment which the operator now owns:	700.00	700.00	700.00	700.00	700.00	700.00
(h) Cost of Materials and Supplies:						
Timber		200.00	200.00	200.00	200.00	200.00
Drill Bits		88.71	88.71	88.71	88.71	88.71
Gas & Oil for air compressor and Hoist		931.20	931.20	931.20	931.20	931.20
Powder & Fuses & Caps		247.68	247.68	247.68	247.68	247.68
(i) Cost of power, water, utilities and other items:						
Power: None, see item (h)						
Water: None, cost-free under lease						
Utilities: None						
Other Items:						
Payroll Taxes	96.77	96.77	96.77	96.77	96.77	96.77
Compensation Insurance	184.32	230.40	230.40	230.40	230.40	230.40
Total estimated monthly expenditures	4,035.09	5,548.76	5,548.76	5,548.76	5,548.76	5,548.76

American Perlite Co.
c/o Mr. Art Betloff
8827 Hollywood Ave.
Los Angeles 48, Cal.

In reply please refer to:
DMA- 1474-2

Dear Mr. Betloff:

Enclosed you will find five copies of Form M.F. 103 and one copy of Form M.F. 200. We are returning your recently submitted tabulation of costs and program of work so that you may include them with your Form 103.

We wish to apologize for having omitted these forms in our previous letter to you.

Very truly yours,

George B. Holderer

George B. Holderer
Chief Tungsten Branch

Enclosures

CHJacoby:ll Aug.15,1951
cc File
Adm. Mining File
Reports & Records
Mr. Holderer

1.24 96 77 1.6
868 .96 units
920

77
616 76
60.8

1434-X

lease, p 4 states all ore and concentrates must be weighed in presence of lessor before removal. No conc. can be removed containing less than 60% ~~WO3~~ Tungsten.
(p. 4 of lease)

60% W = 76.4% WO_3
80% WO_3 = 64% W

(p5)
Item 11 forbids custom milling.
Item 13 requires 50-ton mill in 8 mos.

lessee claims to have sampled lower 132 feet of a 170 foot incline, across vein 24 to 36 inches wide, shipped 2,480 pounds of ore to a custom mill (unnamed) and received 32 pounds of 60% WO_3. Apparent yield would ~~the~~ be 0.96 units WO_3 from 1.24 short tons, or 0.77 percent of WO_3. No assays given.
Past production given as $15 000 worth of tungsten during WW II. No record of amount of tungsten or of where shipped.
No geologic map. Diagrammatic ~~map~~ projection of ~~the~~ proposed ~~underground~~ work to be carried out on.

No subordination agreement.

Recommend denial. No proof of ore; impossible lease; no subordination possible from lessors. The ore deposit probably will never warrant a mill.

Don Lemmon June 7, 1951

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA 1434X

Date received 5-31-51

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date May 21, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~certificate pursuant to the provisions of Sec. 124A (Amortization Deduction) of Internal Revenue Code, 1950, (5)~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and ~~(6)~~ 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? Tungsten
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Fleetwood Claims, Tungsten mine, shaft operation
   (*a*) Linear feet of shafts. 170 feet
   (*b*) Linear feet of drifts and crosscuts. none
   (*c*) Linear feet of tunnels or adits. none
   (*d*) Linear feet of other mine openings (explain briefly). None
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Not flooded, No pumping problems
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 36 miles north of Trona, California
   (*b*) Mining district. Kern Mining District, in Panamint Mts., 1½ mi. above Panamint City silver camp.
   (*c*) Township, Section, Range.
   (*d*) County, State: Inyo County, California
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not in operation.
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☒ Lessee.
   ☐ Contractor.
5. Number of years in production One year development done during World War II
   If not in production or operation, estimated date when production will begin Expect to start development July 1, 1951
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. A. Detloff has had 16 years experience in developing mines and building mills.
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.

16—63702-1

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)
Art Detloff 8827 Rosewood Ave., Los Angeles 48, Calif.	General Partner	3600.00 plus travel exp.	Over 10M			None	
J. H. Thomas 966 N. Normandie Ave., Los Angeles 27, Calif.	Limited Partner	None	Over 25M			None	
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: **Not in production**

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. **Not in production, development under consideration.**

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. **The exposed vein is 3/4 mile long, up to the granite with a lime contact. The face of the vein is much stronger at the bottom of the shaft than it is at the surface, which gives a good indication of a large deposit.**

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

3 (c) Township, Section, Range.
Surprise Canyon and Water Canyon, South Park Mining District, Panamint Range, Inyo County, California. Government survey now in progress, exact legal description not available at this time.

7. History.
(a) Development was suspended after one year during World War II when tungsten dropped to $20.00 per unit on the market. During this period of development approximately $15,000.00 worth of tungsten was removed from the shaft.

(b) Located 1½ miles above old Panamint City Silver Camp of 1870. No previous tungsten development in this area other than mentioned herein in connection with Fleetwood Claims, which were discovered during World War II.

(c) Applicant sampled lower 132 feet of the 170 foot incline shaft, full width of vein which runs from 24 to 36 inches wide. 2480 pounds of ore were so removed to a custom mill. Milling of this sample ore produced 32 pounds of 60% WO3.

13. Access Roads.
Railroad and shipping and supply point are 36 miles distant, on a county road through Panamint City, of which 10 miles is dirt, the remainder paved. The mine road, from Panamint City, is 1½ miles of private road having dirt, rock and gravel surface, being repaired at the present time. Residence and mill site are 3/4 mile from mine, along same route from Panamint City.

14. Water Supply.
There is a stream from a large watershed which fills a 4-inch pipeline at the mill and camp site the year round, ample for mill and camp requirements. Mine supply is to be hauled in tanks from mill and camp site. This water is available at no cost under terms of a separate lease which is presently at the recorder's office and not available for copying.

15. Power.
Power for development of mine will be obtained from gas-driven air compressor and hoist.

16. Labor.
Two miners are employed at present on road construction, and will be used on mine development. Ample additional supply of all classes of labor is available.

17. Equipment and Facilities.
Enough suitable dwellings are available at camp site for development program. No plant buildings. Applicant has sufficient mining machinery for development of mine, consisting of air compressor, air tugger, jackhammers, steel, hose, pipe, hoist, slusher, caterpillar tractor, truck, water tanks, and steel for bunkers.

(*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. See item 7 (c) above.

(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: See item 7 (c) above.

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

None at present.

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.

American Perlite Co.
(Name of company)

By Art Ettlof
(Signature of authorized official)

May 21, 1951
(Date)

General Partner
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1734X

Date received 5-31-51

Participation

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost 32,716.13

Mineral or metal Mineral

Percentage of Government participation 65%

Location of mine Kern Mining District, Inyo County, California

Date of filing MF-100 May 22, 1951

DMA Docket Number, if available 1734X

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. Lessor.

7. If lessee, attach a copy of the lease and state if it is in good standing. Lease, copy attached, is in good standing.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Applicant is prepared to invest 35%, or 11,450.65, which is sufficient to pay its part of the cost of the project.

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. The only real property involved is under lease to applicant.

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

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

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

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

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

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

15. State in detail how the ore could be shipped and how and where milled. (Ore trucked 3/4 mi. from mine to mill (site, & concentrate trucked 36 mi. to (shipping point.

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.
None

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.
See diagram for proposed work, estimated time required to complete: 6 months
NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.
Shaft in existence on location reveals vein which was sampled. See Item 7 (c) Form MF 100

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.
Proposed work as indicated on diagram expected to be completed within 6 months after approval, expected cost $32,716.13

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.

American Perlite Co.
(Name of company)

By [signature]
(Signature of authorized official)

May 21, 1951
(Date)

General Partner
(Title)

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

*Same as footnote on page 1.

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

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

8.

AMERICAN PERLITE CO.
BALANCE SHEET
As of March 31, 1951

ASSETS

Accounts Receivable		5,982.48	
Plant & Equipment	30,517.37		
Less Reserve for Depreciation	2,750.75	27,766.62	
Trucks & Tractors	10,248.50		
Less Reserve for Depreciation	1,055.04	9,193.46	
Leasehold (Perlite Mine)	10,000.00		
Less Reserve for Amortization	1,304.40	8,695.60	
Salary Advances		79.76	
Total Assets			51,717.92

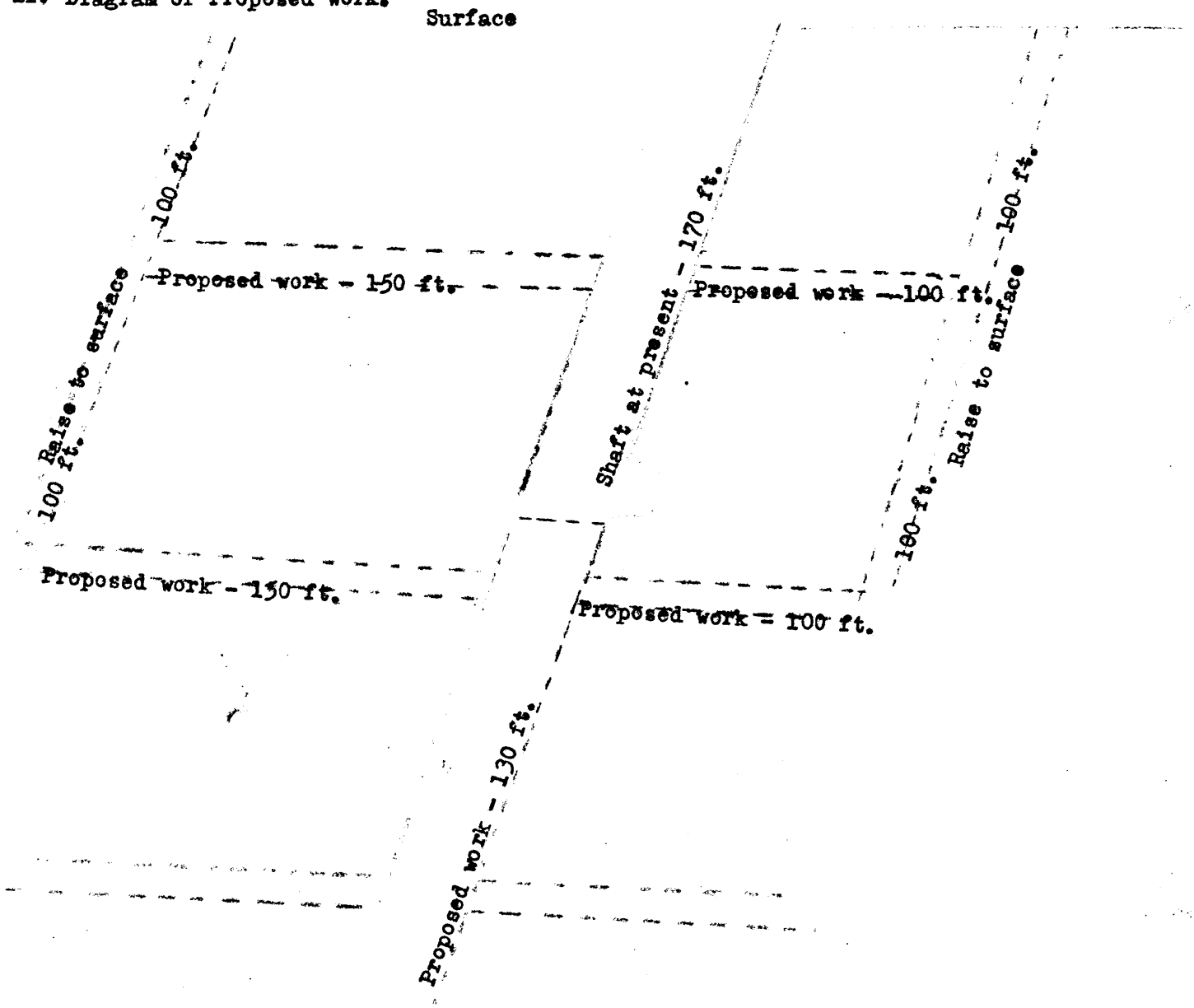
LIABILITIES & NET WORTH

Bank Overdraft	1,389.01	
Cond. Sales Cont. Payable (Eqpt.)	1,667.05	
Lease Purchase Contract Payable	6,509.13	
Notes Payable (J. H. Thomas)	44,565.19	
Payroll Taxes Accrued	279.30	
Total Liabilities		54,409.68
Net Worth (Deficit)		[illegible]
Total Liabilities & Net Worth		51,717.92

Applicant is not now engaged in tungsten mining, hence no profit and loss statement is available.

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

21. Diagram of Proposed work.



The tungsten vein runs from surface to face of shaft, from 24 to 36 inches wide.

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

23. Tabulation of estimated requirements and costs of the project.

(a) Labor:		
4 miners at $16.00 per day)		$13,824.00
2 Hoist men at $16.00 per day)		
(b) Supervisors:		
1 General Superintendant at $500.00 per month		3,000.00
(c) Cost of necessary repairs:		
Maintenance repairs to equipment at $250.00 per month		1,500.00
(d) None contemplated for development.		
(e) None contemplated for development.		
(f) None contemplated for development.		
(g) Rental value of items of equipment which the operator now owns:		
Air compressor, hoist, air tugger, jackhammers, and other necessary items at $700.00 per month		4,200.00
(h) Cost of materials and supplies:		
Timber	1,000.00	
Drill bits	443.52	
Gas & Oil for air compressor & Hoist	5,587.20	
Powder & Fuses & Caps	1,238.40	7,269.12
(i) Cost of power, water, utilities and other items:		
Power: None, see item (h)		
Water: None, cost-free under lease		
Utilities: None		
Other items:		
Payroll Taxes	540.61	
Compensation Insurance	1,382.40	1,923.01
Total requirements and costs as estimated		32,716.13

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Additional Information

The American Perlite Company plant was competed in May, 1950, and for a time our business increased so rapidly that we bought additional equipment to double the capacity of the plant in October, 1950. Immediately thereafter, the government embargo on new building contruction so restricted the demand for our product that our volume of business dropped to a point where the original plant is adequate to meet production requirements. Hence, we have enough extra equipment not now being used to meet the requirements of this proposed project.

From my personal inspection, sampling, and the amount and value of ore removed during the brief development period of this location during World War II, it is my opinion that this project has outstanding possibilities for the production of tungsten.

References regarding Art Detloff:

Vernon Engineering Co., 2415 E. 56th St., Los Angeles, Calif.

Mr. Rockwood, Mining Division, Los Angeles Office, R. F. C.

Tombstone Mining Co., Tucson, Arizona

Mr. Ernest Dickie, Sup't., Bagdad Mining Co., Hillside, Arizona.

Mr. Art Detloff has had 16 years of mining, milling, and developing experience. He was general superintendant of the Pinto Basin Mining & Milling Co., Indio, California, from 1942 to 1948, during which time this company had an R. F. C. development loan.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA 1434X

Date received 5-31-51

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date May 21, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity certificate pursuant to the provisions of Section 124 (Amendment of Defense Production Act of 1950)~~ 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.

5 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? Tungsten
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Fleetwood Claims, Tungsten mine, shaft operation
   (*a*) Linear feet of shafts. 170 feet
   (*b*) Linear feet of drifts and crosscuts. none
   (*c*) Linear feet of tunnels or adits. none
   (*d*) Linear feet of other mine openings (explain briefly). None
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Not flooded. No pumping problems
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 36 miles north of Trona, California
   (*b*) Mining district. Kern Mining District, in Panamint Mts., 1½ mi. above Panamint City silver camp.
   (*c*) Township, Section, Range.
   (*d*) County, State. Inyo County, California
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not in operation.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☒ Contractor.
5. Number of years in production ~~One year development~~ done during World War II
   If not in production or operation, estimated date when production will begin Expect to start development July 1, 1951
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. A. Detloff has had 16 years experience in developing mines and building mills.
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)
Art Detloff 8827 Rosewood Ave., Los Angeles 48, Calif.	General Partner	3600.00 plus travel exp.	Over 10M			None	
J. H. Thomas 966 N. Normandie Ave., Los Angeles 27, Calif.	Limited Partner	None	Over 25M			None	
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: **Not in production**

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. **Not in production, development under consideration.**

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. **The exposed vein is 3/4 mile long, up to the granite with a lime contact. The face of the vein is much stronger at the bottom of the shaft than it is at the surface, which gives a good indication of a large deposit.**

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

3 (c) Township, Section, Range.
Surprise Canyon and Water Canyon, South Park Mining District, Panamint Range, Inyo County, California. Government survey now in progress, exact legal description not available at this time.

7. History.
(a) Development was suspended after one year during World War II when tungsten dropped to $20.00 per unit on the market. During this period of development approximately $15,000.00 worth of tungsten was removed from the shaft.

(b) Located 1½ miles above old Panamint City Silver Camp of 1870. No previous tungsten development in this area other than mentioned herein in connection with Fleetwood Claims, which were discovered during World War II.

(c) Applicant sampled lower 132 feet of the 170 foot incline shaft, full width of vein which runs from 24 to 36 inches wide. 2480 pounds of ore were so removed to a custom mill. Milling of this sample ore produced 32 pounds of 60% WO_3.

13. Access Roads.
Railroad and shipping and supply point are 36 miles distant, on a county road through Panamint City, of which 10 miles is dirt, the remainder paved. The mine road, from Panamint City, is 1½ miles of private road having dirt, rock and gravel surface, being repaired at the present time. Residence and mill site are 3/4 mile from mine, along same route from Panamint City.

14. Water Supply.
There is a stream from a large watershed which fills a 4-inch pipeline at the mill and camp site the year round, ample for mill and camp requirements. Mine supply is to be hauled in tanks from mill and camp site. This water is available at no cost under terms of a separate lease which is presently at the recorder's office and not available for copying.

15. Power.
Power for development of mine will be obtained from gas-driven air compressor and hoist.

16. Labor.
Two miners are employed at present on road construction, and will be used on mine development. Ample additional supply of all classes of labor is available.

17. Equipment and Facilities.
Enough suitable dwellings are available at camp site for development program. No plant buildings. Applicant has sufficient mining machinery for development of mine, consisting of air compressor, air tugger, jackhammers, steel, hose, pipe, hoist, slusher, caterpillar tractor, truck, water tanks, and steel for bunkers.

(*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. See item 7 (c) above.

(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: See item 7 (c) above.

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

None at present.

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.

American Perlite Co. (Name of company)

By Art Dutton (Signature of authorized official)

May 21, 1951 (Date)

General Partner

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1434X

Date received 5-31-51

Participation

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost 32,716.13

Mineral or metal Mineral

Percentage of Government participation 65%

Location of mine Kern Mining District, Inyo County, California

Date of filing MF-100 May 22, 1951

DMA Docket Number, if available 1434X

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. Lessor.

7. If lessee, attach a copy of the lease and state if it is in good standing. Lease, copy attached, is in good standing.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Applicant is prepared to invest 35%, or 11,450.65, which is sufficient to pay its part of the cost of the project.

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. The only real property involved is under lease to applicant.

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

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

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

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

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

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. (Ore trucked 3/4 mi. from mine to mill site, & concentrate trucked 36 mi. to shipping point.

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.
None

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See diagram for proposed work; estimated time required to complete: 6 months
NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.
Shaft in existence on location reveals vein which was sampled. See Item 7 (c) Form MF 100

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.
Proposed work as indicated on diagram expected to be completed within 6 months after approval, expected cost $32,716.13

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.

American Perlite Co.
(Name of company)

By [signature]
(Signature of authorized official)

May 21, 1951
(Date)

General Partner
(Title)

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

*Same as footnote on page 1.

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

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

8.

AMERICAN PERLITE CO.
BALANCE SHEET
As of March 31, 1951

ASSETS

Accounts Receivable		5,982.48	
Plant & Equipment	30,517.37		
Less Reserve for Depreciation	2,750.75	27,766.62	
Trucks & Tractors	10,248.50		
Less Reserve for Depreciation	1,055.04	9,193.46	
Leasehold (Perlite Mine)	10,000.00		
Less Reserve for Amortization	1,304.40	8,695.60	
Salary Advances		79.76	
Total Assets			51,717.92

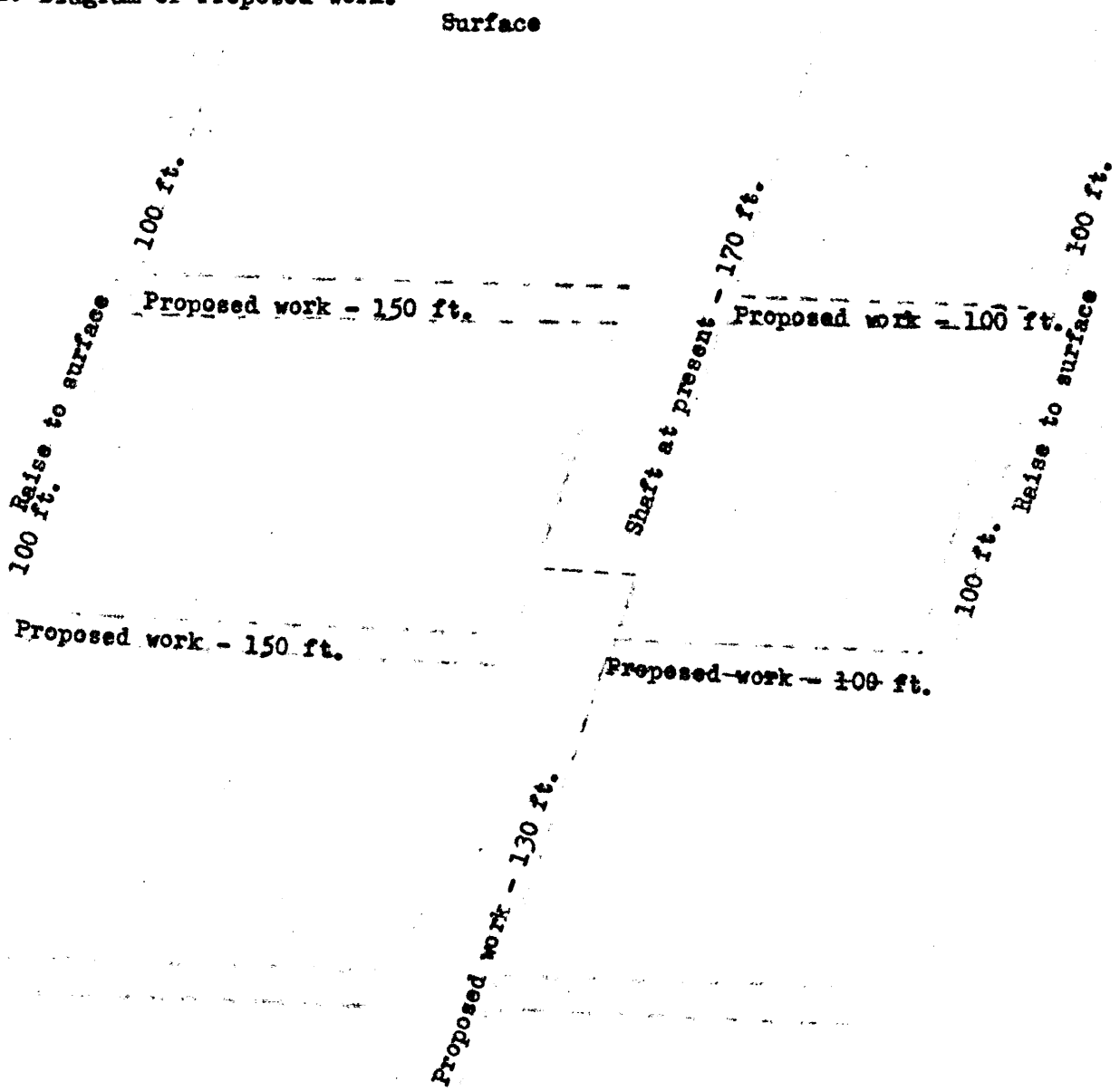
LIABILITIES & NET WORTH

Bank Overdraft	1,389.01	
Cond. Sales Cont. Payable (Eqpt.)	1,667.05	
Lease Purchase Contract Payable	6,509.13	
Notes Payable (J. H. Thomas)	44,565.19	
Payroll Taxes Accrued	279.30	
Total Liabilities		54,409.68
Net Worth (Deficit)		
Total Liabilities & Net Worth		51,717.92

Applicant is not now engaged in tungsten mining, hence no profit and loss statement is available.

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

21. Diagram of Proposed work.



The tungsten vein runs from surface to face of shaft, from 24 to 36 inches wide.

American Perlite Co.
℅ Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

23. Tabulation of estimated requirements and costs of the project.

(a) Labor:

4 miners at $16.00 per day)		$13,824.00
2 Hoist men at $16.00 per day)		

(b) Supervisors:

1 General Superintendant at $500.00 per month		3,000.00

(c) Cost of necessary repairs:

Maintenance repairs to equipment at $250.00 per month		1,500.00

(d) None contemplated for development.

(e) None contemplated for development.

(f) None contemplated for development.

(g) Rental value of items of equipment which the operator now owns:

Air compressor, hoist, air tugger, jackhammers, and other necessary items at $700.00 per month		4,200.00

(h) Cost of materials and supplies:

Timber	1,000.00	
Drill bits	443.52	
Gas & Oil for air compressor & Hoist	5,587.20	
Powder & Fuses & Caps	1,238.40	7,269.12

(i) Cost of power, water, utilities and other items:

Power: None, see item (h)
Water: None, cost-free under lease
Utilities: None
Other items:

Payroll Taxes	540.61	
Compensation Insurance	1,382.40	1,923.01

Total requirements and costs as estimated	32,716.13

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Additional Information

The American Perlite Company plant was competed in May, 1950, and for a time our business increased so rapidly that we bought additional equipment to double the capacity of the plant in October, 1950. Immediately thereafter, the government embargo on new building contruction so restricted the demand for our product that our volume of business dropped to a point where the original plant is adequate to meet production requirements. Hence, we have enough extra equipment not now being used to meet the requirements of this proposed project.

From my personal inspection, sampling, and the amount and value of ore removed during the brief development period of this location during World War II, it is my opinion that this project has outstanding possibilities for the production of tungsten.

References regarding Art Detloff:

Vernon Engineering Co., 2415 E. 56th St., Los Angeles, Calif.

Mr. Rockwood, Mining Division, Los Angeles Office, R. F. C.

Tombstone Mining Co., Tucson, Arizona

Mr. Ernest Dickie, Sup't., Bagdad Mining Co., Hillside, Arizona.

Mr. Art Detloff has had 16 years of mining, milling, and developing experience. He was general superintendant of the Pinto Basin Mining & Milling Co., Indio, California, from 1942 to 1948, during which time this company had an R. F. C. development loan.

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

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
OCT 2 - 1951
SAN FRANCISCO, CALIFORNIA

SEP 28 1951

Mr. H. C. Miller, Executive Officer
DMA Field Team, Region III
1012 Flood B uilding
870 Market St.
San Francisco, California

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 1434X

Commodity Tungsten

Applicant American Perlite Co.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

T. P. Thayer
For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1434x

Commodity Tungsten

Total Amount $31,778.89

Govt. Participation $23,834.17

1. Name and Address of Applicant American Perlite Co. c/o Art Detloff, 8827 Rosewood Ave., Los Angeles, Calif.

2. Location of Property Surprise & Water Canyon, South Park Mining District, Panamint Range, Inyo County, California.

3. Mineral or metal Tungsten 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 ✓

e) Is there an alternative and favorable project?
(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? Yes

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

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

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? No.

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

Is a field check needed on this point? Yes

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

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

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

If not, what part of it is?

Is this part a worthwhile exploration project? Yes

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? No - ?

f) Should more information be requested from applicant? Yes

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

11. Exhibit B (question 23-d)*

a) Is it applicable? No

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? Yes

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? "?"

d) Is a field check needed? Yes

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

a) Are there sufficient data? No {4 Miners @ $16/day. No laborers.

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

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable? ?

d) Field check needed? Yes

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? Check sampling of shaft; Operators ability; and costs appear to be high

Reviewed by: [illegible]

[illegible]

Date 9/20/51

INT.-DUP. SEC., WASH., D.C. 99009

Index of File to Field Team
DMA -1434X Tungsten

1 copy MF-103 with attached sheets
1 copy MF-100 with attached sheets
1 copy memo to DMA from Regional Director dated 5/25/51
1 copy letter to A. P. C. from Strobel dated 6/7/51
1 copy letter to A. P. C. from Holderer dated 7/17/51
1 copy letter to Holderer from A . P. C. dated 8/6/51
1 copy letter to A. P. C. from C. W. Jones dated 4/15/51
1 copy letter to A. P. C. from Holderer dated 8/15/51
1 copy MF-200 dated 8/24/51
1 copy MF 103 dated 8/24/51
1 copy California State Division of Mines map.
1 copy Purchase Order for tungsten
1 copy letter to Holdererfrom A. P. C. dated 8/27/51

9/22/51

MF-200
(June 1951)

Docket No. DMA _____
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 24th day of August, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] American Perlite Co.

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of California, County of Inyo described as follows: [3] Fleetwood Claims, Kern Mining District, in Panamint Mts., Surprise Canyon, 1½ miles above Panamint City silver camp.

with respect to which the Operator represents and undertakes: [4]

~~(a) That he is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens or encumbrances, a statement of which is attached hereto, or the subordination agreement of the holder is attached:~~

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within at once days from the date of this contract shall commence work on a project of exploration for [5] tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] six months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 65 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $ 20,656.28, which is 65 percent of the agreed estimated total cost of this project, $ 31,778.89.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By .....

American Perlite Co.
(Operator)

By Art Detloff General Partner
Art Detloff

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

American Perlite Co.
c/o Mr. Art Petkoff
8827 Beverwood Ave.
Los Angeles 48, Cal.

In reply please refer to:
DMA- 1434-2

Dear Mr. Petkoff:

Enclosed you will find five copies of form M.F. 103 and one copy of form M.F. 200. We are returning our recently submitted tabulation of costs and program of work so that you may include them with your form 103.

We wish to apologize for having omitted these forms in our previous letter to you.

Very truly yours,

George B. Holderer

George B. Holderer
Chief Inspection Branch

Enclosures

CBJ:coby:ll Aug.15,1951
ccFile
Adm. Reading File
Reports & Records
Mr. Holderer

American Perlite Co.

FURNISHED IN THE RAW

August 6, 1951

Mr. George B. Holderer
Chief, Tungsten Branch,
Defense Minerals Administration,
Washington, 25, D. C.

Ref.: DMA 1434X

Dear Mr. Holderer:

This is written in response to your letter dated July 17, 1951. Your last paragraph stated you were enclosing 5 copies of MF103 and a sample copy of the contract (MF 200), but there were no enclosures with your letter, nor have these forms reached me under separate cover. I am, therefore, going to attempt to furnish in this communication, the revised application information which you requested. The "certain exhibits" in MF 200 which you referred to will of necessity have to be furnished when this form is sent to me.

In connection with MF 100 (7 c) the 2480 pound sample from the collar of the shaft to the bottom at 170 feet was broken on a canvas. It represented a true sample of the exposed ore in the shaft without a break, with an average width of 30 inches. The entire sample of 2480 pounds was milled at a custom mill at Randsburg, California, and from the 32 pounds of 63.18 WO_3 returned, the calculated recoverable WO_3 head assay is 12.9 pounds per ton or 0.645%. Typical of small custom mills of the district the recovery of total WO_3 in an ore is 75 to 80% after milling and magnetic separator losses.

U.S.G.X. maps, "blown up" and marked, show the area, and a sketch of the present workings with the proposed extension work is diagrammed.

With reference to MF 103 (23 & 24) I am revising the answers to conform the best I can together with my idea of a practical month to month schedule with estimated costs, nature of work and footage. Of course, conditions underground may force deviations from this proposed schedule.

I trust I have supplied the information you want, if not please let me know and I will endeavor to furnish it.

Very truly yours,

Art Detloff

Art Detloff

C. W. JONES - MINING PROPERTIES
METALLURGICAL REPORTS
PHONE 579 - P. O. BOX 353
120 SOUTH MAIN STREET
BISHOP, CALIFORNIA

April 15, 1951.

Mr. Art Detloss
27 Rosewood Ave.,
Los Angeles, California.

Dear Mr. Detloss:

The some 60-70 lbs of Scheelite Concentrate you delivered to the Bishop Concentrate & Cleaning Co., cleaned up to 32 lbs. of 63.12 % WO_3

The quality of the final concentrate was good for we found no excess impurities that would take a penalty.

Yours very truly,

C. W. Jones

C. W. Jones.

340
FILE COPY
SURNAME:

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

Jacoby
Holderer

July 17, 1951

American Perlite Co.
c/o Art Detloff
8827 Rosewood Ave.
Los Angeles, Calif.

In reply please refer to
DMA 1434X

Dear Mr. Detloff:

The Defense Minerals Administration has given your application careful consideration.

We find that your proposed exploration program would probably fall into the category of a development program. It is suggested that you submit a revised exploration program extending your shaft downward and drifting out along the vein but omitting the development work of putting up raises. After proving sufficient tonnage you may apply for a production loan.

Such a revision would change your loan requirements. Therefore it will be necessary for you to furnish us with additional information given us in your original application MF 103.

MF 100 (7c) You state that 2430 pounds of ore gave you 31 pounds of 60% WO_3 but you have failed to supply us with any assays of the ore or concentrate. We would also like maps of the area such as topographic maps of the area or a diagramatic sketch of the project.

MF 103 (23 & 24) These two questions will, of necessity, undergo changes when the proposed exploration plan is changed. It is suggested that when you submit the revised answer to question 24 that you tabulate a month by month schedule showing progress expected and corresponding expenditures.

For your convenience and aid we are enclosing 5 copies of MF 103 and a sample copy of the contract (MF 230) which calls for certain exhibits which must also be furnished.

Very truly yours,

George B. Holderer
per
George B. Holderer
Chief, Tungsten Branch

Enclosure
CHJacoby:bl

CC: Adm. Reading File
Reports & Records Unit
Mr. Holderer
Field Team - Region III
Files

Page 1434

FILE COPY
SURNAME:

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

June 7, 1951

American Perlite Company
c/o Art Detloff
8827 Rosewood Avenue
Los Angeles 48, California

Subject: DMA-1434X
Re: Exploration Loan
Fleetwood Mines

Gentlemen:

Receipt is acknowledged of your application and attachments of May 21, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1434X and was referred to Mr. P. R. Bradley, Chief, Tungsten Branch on June 4, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1434X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
√Files
Bradley
Lyon

LANDON F. STROBEL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

OFFICE OF
REGIONAL DIRECTOR

1415 APPRAISERS BLDG.,
630 SANSOME STREET,
SAN FRANCISCO 11, CALIF.

May 25, 1951

Memorandum

To: Defense Minerals Administration, Washington, D. C.

From: Regional Director, Region III

Subject: General Technical Data MF-100 Forms and Application for Exploration Loan by American Perlite Company, 8827 Rosewood Avenue, Los Angeles 48, California, dated May 21, 1951.
Tungsten — $32,716.13.

Attached is a set of MF-100 forms re subject property which was received in this office on May 24. Also attached is a set of MF-103 forms by means of which the subject applicant is applying for a loan of $32,716.13 to explore its tungsten deposit in the Kern Mining District, Inyo County, California. Note that the applicant incorrectly asked for 65 percent Government participation.

A review of the applicant's program, as outlined in his sketch in answer to Question 21, leads me to believe that he intends to do more work than could be allowed under an exploration contract. He already has determined that a 24 to 36 inch vein of scheelite ore extends from surface to the bottom ("face", he calls it) of the shaft, and for a depth of 170 feet. It seems to me that his discovery is already made, and what he needs is a development loan to block out ore on four sides and get set for stoping it out.

H. C. Miller
Regional Director, Region III

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Additional Information

The American Perlite Company plant was competed in May, 1950, and for a time our business increased so rapidly that we bought additional equipment to double the capacity of the plant in October, 1950. Immediately thereafter, the government embargo on new building contruction so restricted the demand for our product that our volume of business dropped to a point where the original plant is adequate to meet production requirements. Hence, we have enough extra equipment not now being used to meet the requirements of this proposed project.

From my personal inspection, sampling, and the amount and value of ore removed during the brief development period of this location during World War II, it is my opinion that this project has outstanding possibilities for the production of tungsten.

References regarding Art Detloff:

Vernon Engineering Co., 2415 E. 56th St., Los Angeles, Calif.

Mr. Rockwood, Mining Division, Los Angeles Office, R. F. C.

Tombstone Mining Co., Tucson, Arizona

Mr. Ernest Dickie, Sup't., Bagdad Mining Co., Hillside, Arizona.

Mr. Art Detloff has had 16 years of mining, milling, and developing experience. He was general superintendant of the Pinto Basin Mining & Milling Co., Indio, California, from 1942 to 1948, during which time this company had an R. F. C. development loan.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA 1434X

Date received 5-31-51

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date May 21, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Tungsten
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Fleetwood Claims, Tungsten mine, shaft operation
   (*a*) Linear feet of shafts. 170 feet
   (*b*) Linear feet of drifts and crosscuts. none
   (*c*) Linear feet of tunnels or adits. none
   (*d*) Linear feet of other mine openings (explain briefly). None
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Not flooded, No pumping problems
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 36 miles north of Trona, California
   (*b*) Mining district. Kern Mining District, in Panamint Mts., 1½ mi. above Panamint City silver camp.
   (*c*) Township, Section, Range.
   (*d*) County, State. Inyo County, California
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Not in operation.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☒ Contractor.
5. Number of years in production ~~One year development~~ done during World War II
   If not in production or operation, estimated date when production will begin ~~Expect to start development~~ July 1, 1951
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. A. Detloff has had 16 years experience in developing mines and building mills.
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)
Art Detloff 8827 Rosewood Ave., Los Angeles 48, Calif.	General Partner	3600.00 plus travel exp.	Over 10M			None	
J. H. Thomas 966 N. Normandie Ave., Los Angeles 27, Calif.	Limited Partner	None	Over 25M			None	
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: **Not in production**

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. **Not in production, development under consideration.**

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. **The exposed vein is 3/4 mile long, up to the granite with a lime contact. The face of the vein is much stronger at the bottom of the shaft than it is at the surface, which gives a good indication of a large deposit.**

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

3 (c) Township, Section, Range.
Surprise Canyon and Water Canyon, South Park Mining District, Panamint Range, Inyo County, California. Government survey now in progress, exact legal description not available at this time.

7. History.
(a) Development was suspended after one year during World War II when tungsten dropped to $20.00 per unit on the market. During this period of development approximately $15,000.00 worth of tungsten was removed from the shaft.

(b) Located 1½ miles above old Panamint City Silver Camp of 1870. No previous tungsten development in this area other than mentioned herein in connection with Fleetwood Claims, which were discovered during World War II.

(c) Applicant sampled lower 132 feet of the 170 foot incline shaft, full width of vein which runs from 24 to 36 inches wide. 2480 pounds of ore were so removed to a custom mill. Milling of this sample ore produced 32 pounds of 60% WO3.

13. Access Roads.
Railroad and shipping and supply point are 36 miles distant, on a county road through Panamint City, of which 10 miles is dirt, the remainder paved. The mine road, from Panamint City, is 1½ miles of private road having dirt, rock and gravel surface, being repaired at the present time. Residence and mill site are 3/4 mile from mine, along same route from Panamint City.

14. Water Supply.
There is a stream from a large watershed which fills a 4-inch pipeline at the mill and camp site the year round, ample for mill and camp requirements. Mine supply is to be hauled in tanks from mill and camp site. This water is available at no cost under terms of a separate lease which is presently at the recorder's office and not available for copying.

15. Power.
Power for development of mine will be obtained from gas-driven air compressor and hoist.

16. Labor.
Two miners are employed at present on road construction, and will be used on mine development. Ample additional supply of all classes of labor is available.

17. Equipment and Facilities.
Enough suitable dwellings are available at camp site for development program. No plant buildings. Applicant has sufficient mining machinery for development of mine, consisting of air compressor, air tugger, jackhammers, steel, hose, pipe, hoist, slusher, caterpillar tractor, truck, water tanks, and steel for bunkers.

(*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. **See item 7 (c) above.**

(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: **See item 7 (c) above.**

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

None at present.

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.

American Perlite Co.
(Name of company)

By Art Ketloff
(Signature of authorized official)

May 21, 1951
(Date)

General Partner
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 31 1951
LANDON F. STROBEL
Executive Secretary

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1434

Date received DEPARTMENT OF THE INTERIOR Defense Minerals Administration RECEIVED AUG 27 1951

Participation

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date August 24, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost 31,778.89

Mineral or metal Mineral

Percentage of Government participation 65%

Location of mine Kern Mining District, Inyo County, California

Date of filing MF-100 May 22, 1951

DMA Docket Number, if available 1434X

INSTRUCTIONS

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

THE APPLICANT

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Applicant is prepared to invest 35%, or 11,122.61, which is sufficient to pay its part of the cost of the project.

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. The only real property involved is under lease to applicant.

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

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

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

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

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

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

15. State in detail how the ore could be shipped and how and where milled. (Ore trucked 3/4 mi. from mine to mill (site, and concentrate trucked 36 mi. to (shipping point.

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

None

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See diagram for proposed work and progress schedule: estimated time required to complete: 6 mo.

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

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

Shaft in existence on location reveals vein which was sampled. See Item 7 (c) Form MF100

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

Proposed wotk as indicated on diagram expected to be completed within 6 months after approval, expected cost 31,778.89

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.

American Perlite Co. (Name of company)

By [signature] (Signature of authorized official)

May 21, 1951 (Date)

General Partner (Title)

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

*Same as footnote on page 1.

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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1434X

Date received 5-31-51

Participation

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost 32,716.13

Mineral or metal Mineral

Percentage of Government participation 65%

Location of mine Kern Mining District, Inyo County, California

Date of filing MF-100 May 22, 1951

DMA Docket Number, if available 1434X

INSTRUCTIONS

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

THE APPLICANT

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Applicant is prepared to invest 35%, or 11,450.65, which is sufficient to pay its part of the cost of the project.

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. The only real property involved is under lease to applicant.

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

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

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

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

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

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

15. State in detail how the ore could be shipped and how and where milled. (Ore trucked 3/4 mi. from mine to mill site, & concentrate trucked 36 mi. to shipping point.

*16. History:

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

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

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

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

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

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

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

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

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

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

None

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.
See diagram for proposed work; estimated time required to complete: 6 months
NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

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

Shaft in existence on location reveals vein which was sampled. See Item 7 (c) Form MF 100

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

Proposed work as indicated on diagram expected to be completed within 6 months after approval, expected cost $32,716.13

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.

American Perlite Co.
(Name of company)

By [signature]
(Signature of authorized official)

May 21, 1951
(Date)

General Partner
(Title)

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

*Same as footnote on page 1.

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

L E A S E

THIS INDENTURE OF LEASE, made and entered into as of this 1st day of May, 1951, by and between RICHARD THOMPSON, Lessor, and ART DETLOFF, Lessee;

W I T N E S S E T H:

THAT WHEREAS, the Lessor is the owner of certain mining claims situated in the County of Inyo, State of California, and generally known as Fleetwood Mines, and is also the owner of a mining claim known as Virginia Dare; and

WHEREAS, the Lessee desires to lease mining claims Nos. 1, 2, and 3 of the Fleetwood Mines, and the Virginia Dare mining claim, upon the terms and conditions as hereinafter specified;

NOW THEREFORE, in consideration of these premises and the mutual covenants hereinafter contained, in consideration of the payment of the sum of $10,000.00, the receipt of which is hereby acknowledged, and in consideration of the payment of the royalties and rentals hereinafter specified, the lessor does hereby lease, demise and let unto the lessee all of the said four mining claims hereinabove specified, upon the following terms and conditions:

1. The Lessee shall pay the lessor as a minimum royalty, ten per cent (10%) of all mint, mill and smelter return and settlements, and ten per cent (10%) of all premiums, bonuses and other consideration paid on all bullion, crude ore and concentrates from ore mined or removed from the said premises. In the event that the price of tungsten or any other metal produced from the premises should be such as to cause the concentrate

to sell as or in excess of $75.00 per unit, then the royalty herein specified on all such ore or concentrate shall be fifteen per cent (15%) instead of ten per cent (10%) as hereinabove specified.

No charges or costs of any kind shall be deducted in determining the percentage of royalties as hereinabove specified. The payments of all such royalties shall be made on or before the 15th day of each month following the month in which any shipment or ore or concentrate is made. All payments of smelter, mill and mint returns and payments thereof shall be accompanied by duplicate smelter, mill and mint returns or reports, and such duplicates shall be promptly delivered to the lessor. The lessee shall keep full and accurate records concerning all ore and concentrates mined and shipped, and of the place or places where such ore or concentrates are shipped and of the returns therefrom. Such records shall be available for the inspection of the lessor at all times.

2. This lease shall continue for a term of ten (10) years, commencing on the 1st day of May, 1951, and continuing until the 1st day of May, 1961, subject, however, to the right of the lessor to cancel orterminate the said lease at any time that the lessee may be in default in the performance of any of the provisions hereof. The lessee shall have the option to extend the said lease for an additional period of ten(10) years, provided that he notifies the lessor in writing of his election to extend the term of such lease at least sixty (60) days prior to the expiration of the term hereof, and provided further that he shall not be in default in the performance of any of the provisions hereof.

3. The lessee shall have the right to use the Virginia Dare mining claim for a mill site, and to install and erect mining and milling

equipment thereon.

4. The lessee shall promptly pay for all labot and materials used by him in connection with the mining operations and developments upon the said premises and in connection with the installation of the mill site and equipment thereon, and shall at all times protect the lessor and the premises against all liens or mechanics, laborers, and materialmen during the lessee's operations hereunder. The lessor shall have the right to post and keep posted on the premises all notices desired by him or required by law, in order to avoid liability or responsibility on account of mechanics, laborers, or materialmen's liens, and the lessee agrees to post any such notices as demanded by the lessor, and to protect and preserve from defacement or destruction any such notices so posted in their position of posting.

5. The lessor makes no covenant or warranty as to the condition of any of the leased property hereinabove described or aw to the same being fit or applicable for any particular use of purpose, it being understood that the lessee has inspected the same and is relying wholly upon his knowledge gained from such inspection in entering into this lease. The lessee agrees to keep the said mining and milling tools, buildings, structures and other leased property in good usable repair and condition, and upon the termination of this lease to return all of the same to the lessor in as good condition as when received, ordinary wear and tear excepted. In the event of loss or destruction of any of the same which could have been prevented by the exercise of reasonable care on the part of the lessee, the lessee agrees to replace the same in like kind.

6. Prior to their shipment, all concentrates are to be stored upon the property of the lessor in a locked warehouse provided by the

lessee for this purpose, and the same shall remain locked except for the purpose of storing concentrates therein and removing the same for shipment. All ore and concentrates shall be weighed in the presence of the lessor or his duly authorized agent, before it is removed for shipment, and a copy of such weight and the date of the same shall be given to the lessor. In case of loss of any ore or concentrates by theft or otherwise, at any time, the lessor shall remain entitled to his royalty on any such ore or concentrates. No concentrates shall be removed from the premises which contain less than sixty per cent (60%) tungsten or other metal.

7. The lessee agrees to market all ore and concentrates at the best possible price and under the best terms abailable, and all royalty payments shall be made by the buyer thereof directly to the lessor. The lessor reserves the right to accept payment of the lessor's royalty in kind at any time upon written notice to the lessee.

8. The lessor agrees to permit the lessee to use the waters, as to which the lessor has water rights, for the purpose of mining, milling, and domestic use, subject to the lessor's right to likewise use or employ such waters.

9. In order to prevent any easements, rights of way or prescriptive rights from accruing to anyone, the lessee agrees to keep members of the public off the premises and all private roads leading to or from the said premises, as and when directed by the lessor, provided, however, that this shall not include members of the public who may enter upon the said property as agents or employees of, or in connection with any dealings or transactions with the lessee.

10. Any claim located by the lessee as a part of the lessee's operations, or in connection with the lessee's operations on the said

premises shall be and become a part of the leased property hereunder, and shall be located in the name of the lessor.

11. The lessee shall not use his mill or equipment thereon for the purpose of milling ore or concentrates for others.

12. In the event that the lessee should seek any government loans in connection with his operations, the lessor agrees to cooperate with and assist the lessee in all respects in connection therewith, provided that the lessee shall at all times fully protect and indemnify the lessor concerning any loss, damage or liability arising out of the same.

13. The lessee shall have the mill installed and in operation within 8 months from the date of this lease. Such mill shall have a capacity of not less than 50 tons per 24-hour period, and shall be equipped with proper milling facilities for the type of ore involved.

14. The lessor shall have the right to enter in and upon the said mining claims at any time for the purpose of doing assessment work and for the purpose of inspecting the same.

15. In the event of any termination of this lease, the lessee shall leave the mine and all workings both underground and above the ground in the same condition so as to permit the continuation of the mining operations without interruption, with all timbers intact, and the lessor shall have an option, for a period of ninety (90) days to purchase the mill and buildings installed in connection with said mill by the lessee, at a price equivalent to the initial cost thereof, less reasonable depreciation thereon.

16. Lessee shall comply with all mining laws, rules and regulations of the Federal government, State of California, County of Inyo, and any mining district in which the said mining claims are located, and shall

indemnify and save said lessor harmless from all injury to persons and all damages to property resulting from or growing out of his operations or developments provided for herein.

17. In the event that the lessee shall be in default in the performance or any of the terms, conditions or covenants of this lease on his part to be kept and performed, and shall fail to cure such default within thirty days after written notice from said lessor, the lessor shall have the right at his option to terminate this lease and thereupon after demand of possession in writing made by the lessor upon said lessee, may enter upon said premises and dispossess all persons occupying the same with or without force or any process of law. Such notice or demand may be given personally or by registered mail addressed to the lessee at 8827 Rosewood Avenue, Los Angeles 48, California.

18. Any notice required hereunder to be given to the lessor shall be given personally or by registered mail addressed to the lessor at Box 246, Trona, California.

19. The lessee shall pay all taxes and assessments which may be levied or assessed upon or by reason of any equipment or improvements placed or installed on such property by the lessee.

20. Lessee covenants and agrees that he will procure and carry workmen's compensation insurance covering all men and employees on said premises employed by him in his operation hereunder.

21. The lessee agrees to employ not less than 2 men per day on underground work, Sundays and holidays excepted.

22. The performance of this agreement by said lessee shall be excused so long, but only so long as the same shall be prevented for force majueres or by strikes, acts of God, war, insurrection, interference by governmental action, rules or regulations.

23. The lessee shall not assign any rights hereunder or enter

into any sublease without first having obtained the weitten consent of the lessor thereto, and any such written consent so given by the lessor shall not be deemed as a waiver of these provisions with respect to any further assignments or subleases.

IN WITNESS WHEREOF, the parties have signed this lease as of the day and year first hereinabove written.

/s/ Richard Thompson
RICHARD THOMPSON
Lessor

/s/ Art Detloff
ART DETLOFF
Lessee

American Perlite Co.
℅ Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

8.

AMERICAN PERLITE CO.
BALANCE SHEET
As of March 31, 1951

ASSETS

Accounts Receivable		5,982.48	
Plant & Equipment	30,517.37		
Less Reserve for Depreciation	2,750.75	27,766.62	
Trucks & Tractors	10,248.50		
Less Reserve for Depreciation	1,055.04	9,193.46	
Leasehold (Perlite Mine)	10,000.00		
Less Reserve for Amortization	1,304.40	8,695.60	
Salary Advances		79.76	
Total Assets			51,717.92

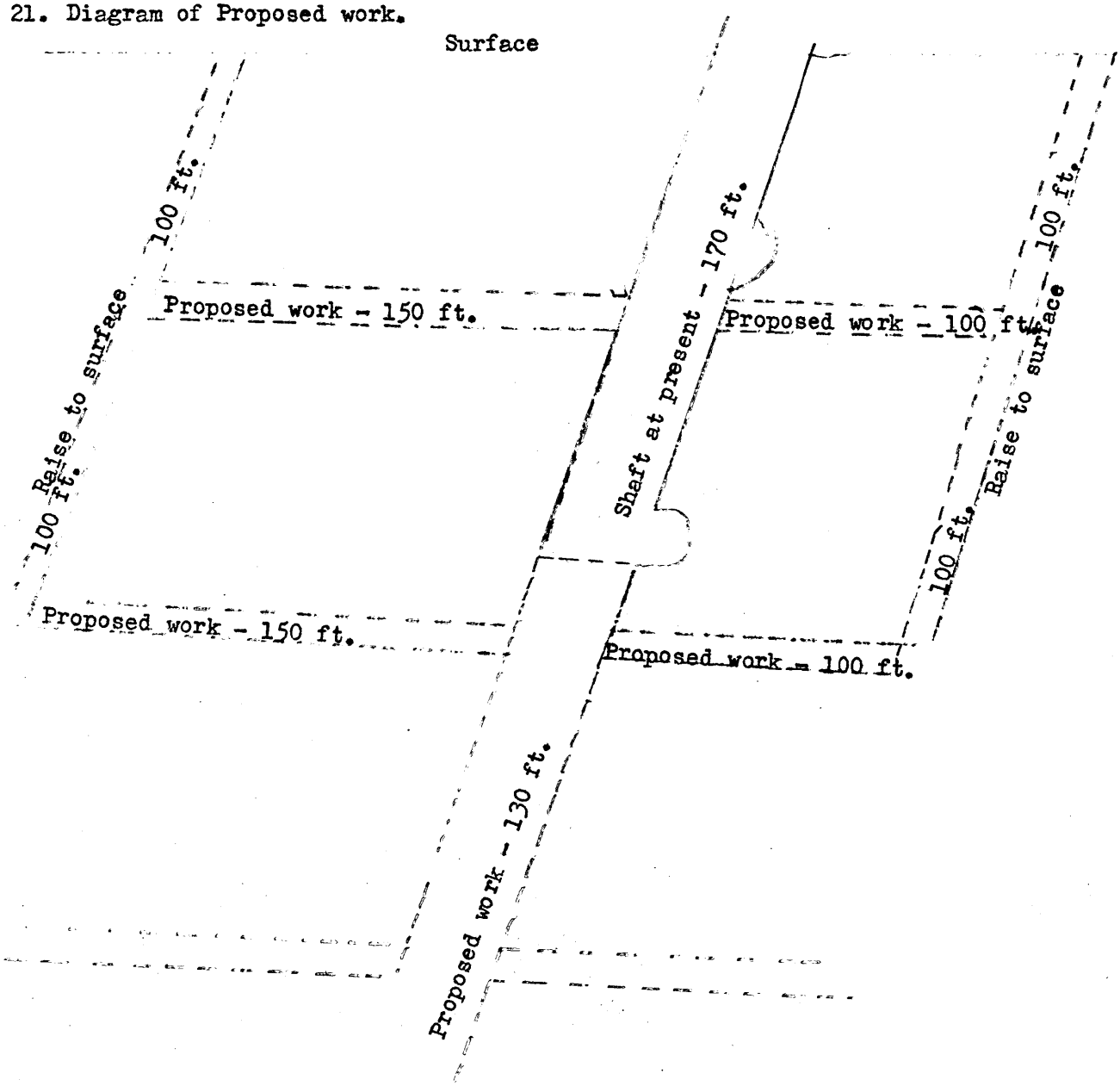
LIABILITIES & NET WORTH

Bank Overdraft	1,389.01	
Cond. Sales Cont. Payable (Eqpt.)	1,667.05	
Lease Purchase Contract Payable	6,509.13	
Notes Payable (J. H. Thomas)	44,565.19	
Payroll Taxes Accrued	279.30	
Total Liabilities		54,409.68
Net Worth (Deficit)		2,692.76
Total Liabilities & Net Worth		51,717.92

Applicant is not now engaged in tungsten mining, hence no profit and loss statement is available.

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

21. Diagram of Proposed work.



The tungsten vein runs from surface to face of shaft, from 24 to 36 inches wide.

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

23. Tabulation of estimated requirements and costs of the project.

(a) Labor:		
4 miners at $16.00 per day)		$13,824.00
2 Hoist men at $16.00 per day)		
(b) Supervisors:		
1 General Superintendant at $500.00 per month		3,000.00
(c) Cost of necessary repairs:		
Maintenance repairs to equipment at $250.00 per month		1,500.00
(d) None contemplated for development.		
(e) None contemplated for development.		
(f) None contemplated for development.		
(g) Rental value of items of equipment which the operator now owns:		
Air compressor, hoist, air tugger, jackhammers, and other necessary items at $700.00 per month		4,200.00
(h) Cost of materials and supplies:		
Timber	1,000.00	
Drill bits	443.52	
Gas & Oil for air compressor & Hoist	5,587.20	
Powder & Fuses & Caps	1,238.40	7,269.12
(i) Cost of power, water, utilities and other items:		
Power: None, see item (h)		
Water: None, cost-free under lease		
Utilities: None		
Other items:		
Payroll Taxes	540.61	
Compensation Insurance	1,382.40	1,923.01
Total requirements and costs as estimated		32,716.13

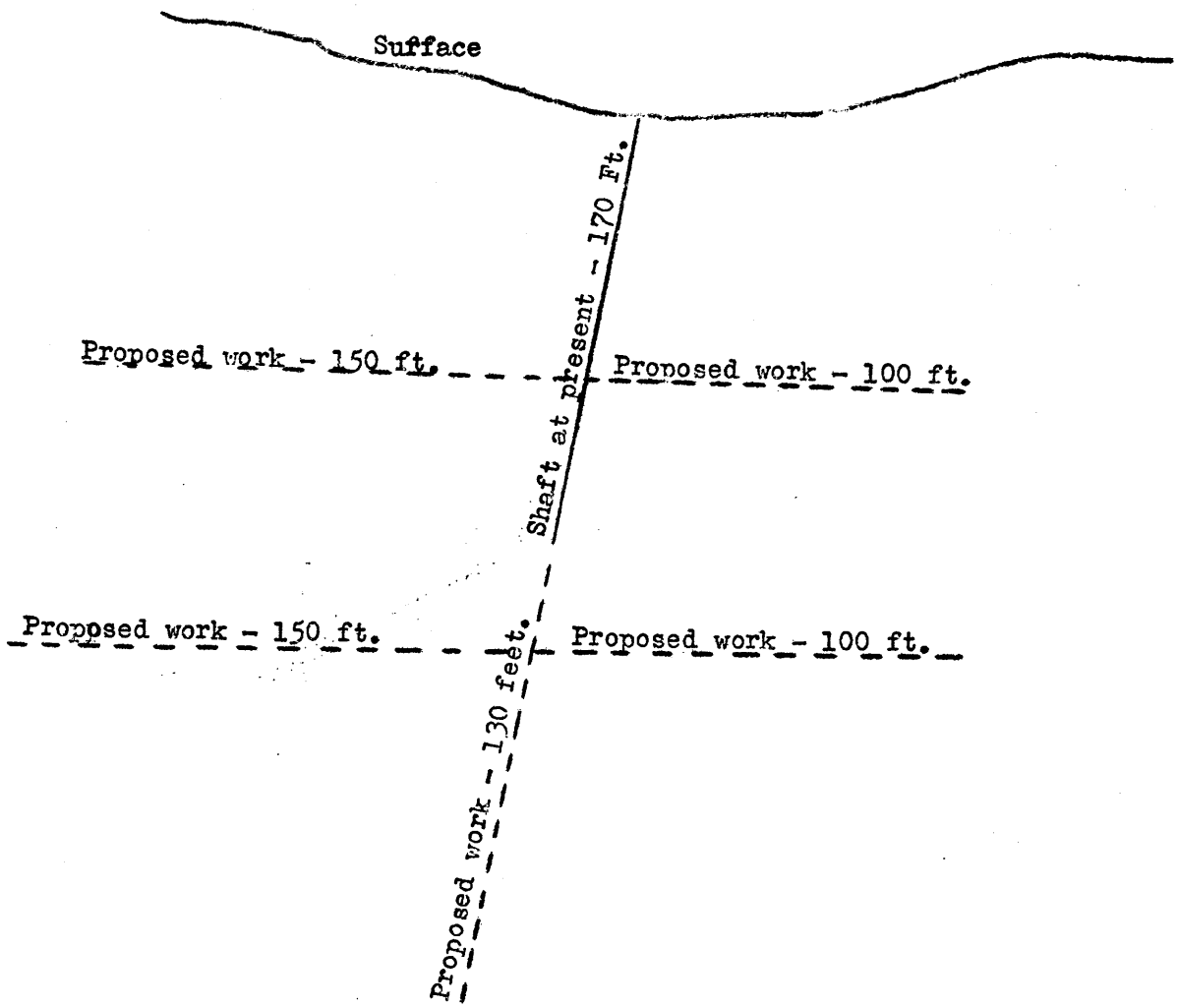
American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

23. Tabulation of estimated requirements and costs of the project.

	1st Mo.	2nd Mo.	3rd Mo.	4th Mo.	5th Mo.	6th Mo.
1. Progress expected	(Moving, assembling, & installing Eqpt. & Supplies	100 ft. drift.	100 ft. drift & 30 ft. sinking.	150 ft. drift.	100 ft. sinking.	150 ft. drift.
2. Estimated expenditures:						
(a) Labor:	2,304.00	2,304.00	2,304.00	2,304.00	2,304.00	2,304.00
(b) Supervisors:	500.00	500.00	500.00	500.00	500.00	500.00
(c) Cost of Necessary repairs:	250.00	250.00	250.00	250.00	250.00	250.00
(d) None contemplated for development.						
(e) None contemplated for development.						
(f) None contemplated for development.						
(g) Rental value of items of equipment which the operator now owns:	700.00	700.00	700.00	700.00	700.00	700.00
(h) Cost of Materials and Supplies:						
Timber		200.00	200.00	200.00	200.00	200.00
Drill Bits		88.71	88.71	88.71	88.71	88.71
Gas & Oil for air compressor and Hoist		931.20	931.20	931.20	931.20	931.20
Powder & Fuses & Caps		247.68	247.68	247.68	247.68	247.68
(i) Cost of power, water, utilities and other items:						
Power: None, see item (h)						
Water: None, cost-free under lease						
Utilities: None						
Other Items:						
Payroll Taxes	96.77	96.77	96.77	96.77	96.77	96.77
Compensation Insurance	184.32	230.40	230.40	230.40	230.40	230.40
Total estimated monthly expenditures	4,035.09	5,548.76	5,548.76	5,548.76	5,548.76	5,548.76

American Perlite Co.
℅ Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

21. Diagram of Proposed work.



The tungsten vein runs from surface to face of shaft, from 24 to 36 inches wide.

Your Order

Our Order

Lot

CLIFFORD L. ACH
MINERALS · ALLOYS

606 SOUTH HILL ST., LOS ANGELES 14, CALIF.
TELEPHONE VAndike 1332

PURCHASE ORDER

Date August 2, 1946.

Terms

F. O. B.

Ship Via

Fleetwood Tungsten Mining Company,

P.O. Box 246, Trona, Calif.

COPY

[redacted]									
6/27/44	" 24650	294.5	"	"	72.10	"	10.6285		244.46
7/13/44	" 247014								
	" 247018	526.0	"	"	39.40	"	10.3636	"	217.66
8/15/44	" 24784	1097.5	"	"	69.68	"	38.3466	"	[illegible]
1/9/45	" 25179	444.0	"	"	65.12	"	14.4566	"	[illegible]
		3250.5			65.86%		109.0252		[illegible]

August 24, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 27 1951

Mr. George B. Holderer,
Chief, Tungsten Branch,
Defense Minerals Administration,
Washington 25, D. C.

Ref: DMA - 1434X

Dear Mr. Holderer:

This is in response to your letters dated July 17 and August 16, 1951, relative to our application. We have revised MT 103 and enclose it herewith, together with the appropriate schedules.

In the second paragraph of our letter of August 6, 1951, we furnished the information regarding the sampling of the ore, together with the original assay report in connection therewith. You have apparently retained this assay report in your files.

For your further information, we are enclosing a copy of a purchase order of the Clifford L. Ach Company, dated August 2, 1946, which has just come into our possession. This purchase order covers part of the tungsten extracted from this shaft and sold on the dates indicated. It was milled in a very small mill then on the property. This form will further indicate the quality of the ore from this project.

The U.S.G.S. map is again enclosed for your use.

We have started machinery installation and other development work on the project. I trust we have furnished the information you want, if not, please advise me and I will endeavor to furnish it.

Very truly yours,

Art Detloff

Art Detloff

340
FILE COPY
SURNAME:

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

Holderer

OCT 23 1951

a, e, e,

American Perlite Co.
3827 Rosewood Avenue
Los Angeles, California

In reply please refer to
DMA-1434X

Dear Mr. Detloff:

This in reply to your letter of October 15, 1951.

In accordance with your request, we are enclosing five copies of Form MF-101 and five copies of MF-100.

Very truly yours,

George B. Holderer

ce 10/23

George B. Holderer
Chief, Tungsten Branch

Enclosures

GBHolderer:ll 10/23/51
CC: DMA Docket File
Adm. Reading File
Mr. Holderer

Note: "Official File Copy" being retained in Mr. Holderer's office.

FILE COPY
SURNAME:

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

Holderer
Jacoby 9/14
Geehan
Thayer
Moon

Air Mail

a. e. c.

SEP 26 1951

American Perlite Co.
c/o Mr. Art Detloff
8827 Rosewood Ave.
Los Angeles 48, California

In reply please refer to
DMA-1434X

Dear Mr. Detloff:

In reviewing your application we have found that additional information is required. Therefore, we are referring it to our field team for further consideration.

We suggest you contact Mr. H. C. Miller, 1012 Flood Building, 870 Market St., San Francisco, California, and offer whatever assistance he may need.

Very truly yours,

SIGNED S.F. 10-1

Tom Lyon, Director
Supply Division

CHJacoby:ll 9/24/51
DC: DMA Docket File
Adm. Reading File
Mr. Lemmon
Mr. Geehan
Mr. Holderer
Field Team Region III
Court. Comm.

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

SEP 28 1951

Mr. H. C. Miller, Executive Officer
DMA Field Team, Region III
1012 Flood Building
870 Market St.
San Francisco, California

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 1434X

Commodity Tungsten

Applicant American Perlite Co.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

DMA Docket File
CC: ~~Reports and Records Unit~~
Coordinating Committee
Mr. Holderer
Field Team, R. III

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1434x

Commodity Tungsten

Total Amount $31,778.89

Govt. Participation $23,834.17

1. Name and Address of Applicant American Perlite Co. % Art Detloff, 8827 Rosewood Ave., Los Angeles, Calif.

2. Location of Property Surprise & Water Canyon, South Park Mining District, Paramint Range, Inyo County, California.

3. Mineral or metal Tungsten 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 ✓

e) Is there an alternative and favorable project? (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? Yes

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

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

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? No.

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

Is a field check needed on this point? Yes

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

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

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

If not, what part of it is?

Is this part a worthwhile exploration project? Yes

d) Are the cost estimates detailed? Yes

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? No - ?

f) Should more information be requested from applicant? Yes

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

11. Exhibit B (question 23-d)*

a) Is it applicable? No

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? Yes

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? "?"

d) Is a field check needed? Yes

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

a) Are there sufficient data? No {4 Miners @ $16/day. No laborers.

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

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable? ?

d) Field check needed? Yes

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? Check sampling of shaft; Operators ability; and costs appear to be high

Reviewed by: [illegible]

[illegible]

Date 9/20/51

INT.-DUP. SEC., WASH., D.C. 99009

FILE COPY
SURNAME:

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

AUG 16 1951

Holderer
Jacoby

a.t.e

American Perlite Co.
c/o Mr. Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Cal.

In reply please refer to:
DMA- 1434-X

Dear Mr. Detloff:

Enclosed you will find five copies of form M.F. 103 and one copy of form M.F. 200. We are returning your recently submitted tabulation of costs and program of work so that you may include them with your form 103.

We wish to apologize for having omitted these forms in our previous letter to you.

Very truly yours,

George B. Holderer

George B. Holderer
Chief Tungsten Branch

J.F. 8/16

Enclosures

CHJacoby:ll Aug,15,1951
ccFile
Adm. Reading File
Reports & Records
Mr. Holderer

AUG 1 6 1951

American Perlite Co.
c/o Mr. Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Cal.

In reply please refer to:
LMA- 1434-2

Dear Mr. Detloff:

Enclosed you will find five copies of form N.F. 103 and one copy of form N.F. 200. We are returning your recently submitted tabulation of costs and program of work so that you may include them with your form 103.

We wish to apologize for having omitted these forms in our previous letter to you.

Very truly yours,

George B. Holderer

George B. Holderer
Chief Inspection Branch

Enclosures

CHJacoby:ll Aug.15,1951
ccFile
Adm. Reading File
Reports & Records
Mr. Holderer

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

July 17, 1951

American Perlite Co.
c/o Art Detloff
8327 Rosewood Ave.
Los Angeles, Calif.

In reply please refer to
DMA 1434X

a & c

Dear Mr. Detloff:

The Defense Minerals Administration has given your application careful consideration.

We find that your proposed exploration program would probably fall into the category of a development program. It is suggested that you submit a revised exploration program extending your shaft downward and drifting out along the vein but omitting the development work of putting up raises. After proving sufficient tonnage you may apply for a production loan.

Such a revision would change your loan requirements. Therefore it will be necessary for you to furnish us with additional information given us in your original application MF 103.

MF 100 (7c) You state that 2440 pounds of ore gave you 32 pounds of 60% WO_3 but you have failed to supply us with any assays of the ore or concentrate. We would also like maps of the area such as topographic maps of the area or a diagrammatic sketch of the project.

MF 103 (23 & 24) These two questions will, of necessity, undergo changes when the proposed exploration plan is changed. It is suggested that when you submit the revised answer to question 24 that you tabulate a month by month schedule showing progress expected and corresponding expenditures.

For your convenience and aid we are enclosing 5 copies of MF 103 and a sample copy of the contract (MF 200) which calls for certain exhibits which must also be furnished.

Very truly yours,

George B. Holderer
jam

George B. Holderer
Chief, Tungsten Branch

Enclosure
CHJacoby:bl

CC: Adm. Reading File
Reports & Records Unit
Mr. Holderer
Field Term - Region III
Files

June 7, 1951

American Perlite Company
~~c/o [illegible]~~
8827 Rosewood Avenue
Los Angeles 48, California

Subject: DMA-1434X
Re: Exploration Loan
Fleetwood Mines

Gentlemen:

Receipt is acknowledged of your application and attachments of May 21, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1434X and was referred to Mr. P. R. Bradley, Chief, Tungsten Branch on June 4, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1434X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: √Strobel-2
Files
Bradley
Lyon

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERI

DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA 1734X

Date received 5-31-51

Participation

American Perlite Co.
Art Detloff
8527 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date May 21, 1951

FILL IN THIS BLOCK

Date of application May 21, 1951

Estimated cost 32,716.13

Mineral or metal Mineral

Percentage of Government participation 65%

Location of mine Kern Mining District, Inyo County, California

Date of filing MF-100 May 22, 1951

DMA Docket Number, if available 1734X

INSTRUCTIONS

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

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. Lessor.

7. If lessee, attach a copy of the lease and state if it is in good standing. Lease, copy attached, is in good standing.

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Applicant is prepared to invest 35%, or 11,450.65, which is sufficient to pay its part of the cost of the project.

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. The only real property involved is under lease to applicant.

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

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

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

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

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

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

15. State in detail how the ore could be shipped and how and where milled. (Ore trucked 3/4 mi. from mine to mill (site, & concentrate trucked 36 mi. to (shipping point.

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

None

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.
See diagram for proposed work; estimated time required to complete: 6 months
NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.
Shaft in existence on location reveals vein which was sampled. See Item 7 (c) Form IP 100

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.
Proposed work as indicated on diagram expected to be completed within 6 months after approval, expected cost $2,716.13

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.

American Perlite Co. (Name of company)

By Art Dellaff (Signature of authorized official)

May 21, 1951 (Date)

General Partner (Title)

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

*Same as footnote on page 1.

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

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

8.

AMERICAN PERLITE CO.
BALANCE SHEET
As of March 31, 1951

ASSETS

Accounts Receivable		5,982.48	
Plant & Equipment	30,517.37		
Less Reserve for Depreciation	2,750.75	27,766.62	
Trucks & Tractors	10,248.50		
Less Reserve for Depreciation	1,055.04	9,193.46	
Leasehold (Perlite Mine)	10,000.00		
Less Reserve for Amortization	1,304.40	8,695.60	
Salary Advances		79.76	
Total Assets			51,717.92

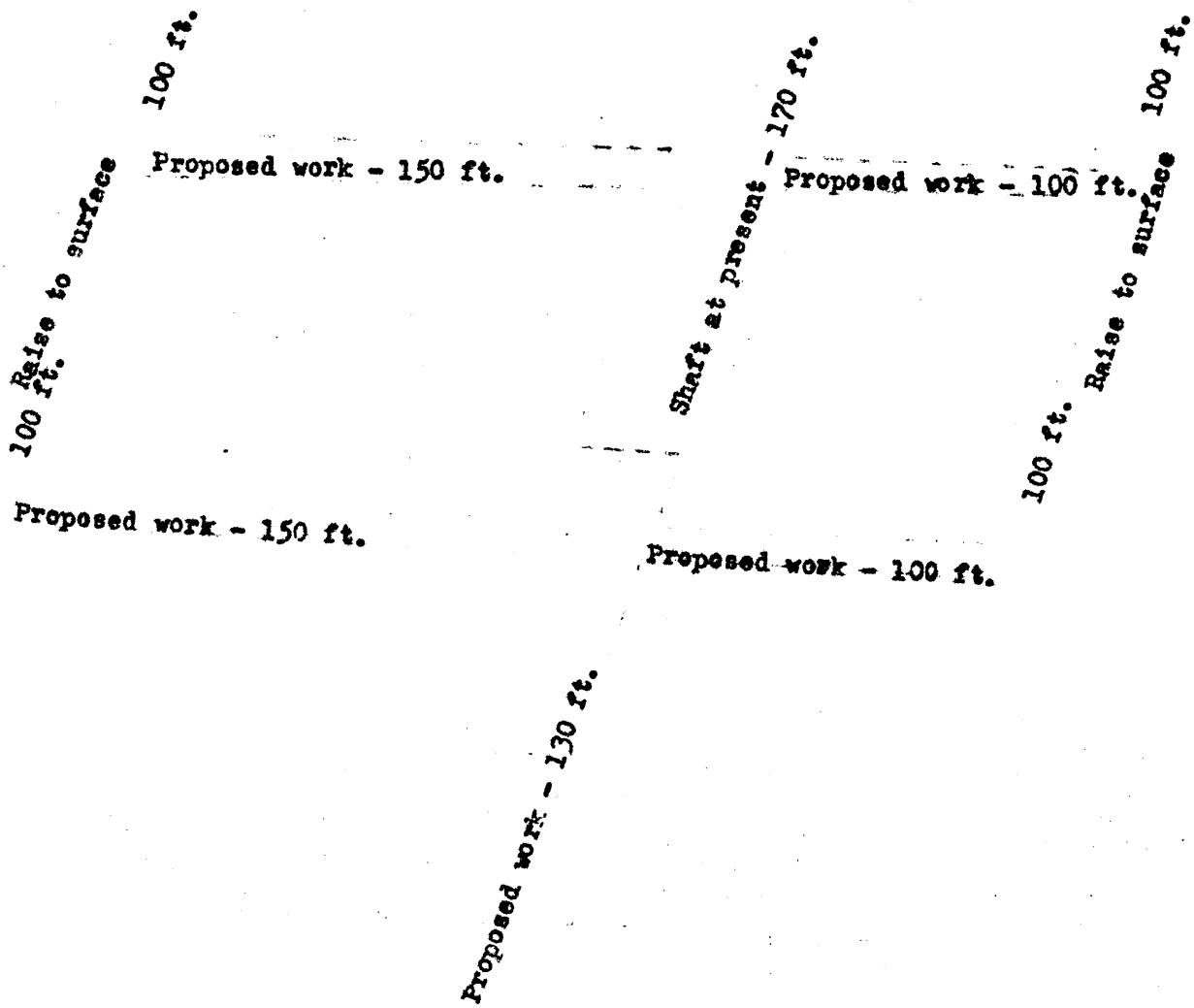
LIABILITIES & NET WORTH

Bank Overdraft	1,389.01	
Cond. Sales Cont. Payable (Eqpt.)	1,667.05	
Lease Purchase Contract Payable	6,509.13	
Notes Payable (J. H. Thomas)	44,565.19	
Payroll Taxes Accrued	279.30	
Total Liabilities		54,409.68
Net Worth (Deficit)		
Total Liabilities & Net Worth		51,717.92

Applicant is not now engaged in tungsten mining, hence no profit and loss statement is available.

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

21. Diagram of Proposed work.



The tungsten vein runs from surface to face of shaft, from 24 to 36 inches wide.

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.
Los Angeles 48, Calif.

23. Tabulation of estimated requirements and costs of the project.

(a) Labor:		
4 miners at $16.00 per day)		$13,824.00
2 Hoist men at $16.00 per day)		
(b) Supervisors:		
1 General Superintendant at $500.00 per month		3,000.00
(c) Cost of necessary repairs:		
Maintenance repairs to equipment at $250.00 per month		1,500.00
(d) None contemplated for development.		
(e) None contemplated for development.		
(f) None contemplated for development.		
(g) Rental value of items of equipment which the operator now owns:		
Air compressor, hoist, air tugger, jackhammers, and other necessary items at $700.00 per month		4,200.00
(h) Cost of materials and supplies:		
Timber	1,000.00	
Drill bits	443.52	
Gas & Oil for air compressor & Hoist	5,587.20	
Powder & Fuses & Caps	1,238.40	7,269.12
(i) Cost of power, water, utilities and other items:		
Power: None, see item (h)		
Water: None, cost-free under lease		
Utilities: None		
Other items:		
Payroll Taxes	540.61	
Compensation Insurance	1,382.40	1,923.01
Total requirements and costs as estimated		32,716.13

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Additional Information

The American Perlite Company plant was competed in May, 1950, and for a time our business increased so rapidly that we bought additional equipment to double the capacity of the plant in October, 1950. Immediately thereafter, the government embargo on new building contruction so restricted the demand for our product that our volume of business dropped to a point where the original plant is adequate to meet production requirements. Hence, we have enough extra equipment not now being used to meet the requirements of this proposed project.

From my personal inspection, sampling, and the amount and value of ore removed during the brief development period of this location during World War II, it is my opinion that this project has outstanding possibilities for the production of tungsten.

References regarding Art Detloff:

Vernon Engineering Co., 2415 E. 56th St., Los Angeles, Calif.

Mr. Rockwood, Mining Division, Los Angeles Office, R. F. C.

Tombstone Mining Co., Tucson, Arizona

Mr. Ernest Dickie, Sup't., Bagdad Mining Co., Hillside, Arizona.

Mr. Art Detloff has had 16 years of mining, milling, and developing experience. He was general superintendant of the Pinto Basin Mining & Milling Co., Indio, California, from 1942 to 1948, during which time this company had an R. F. C. development loan.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA 1434

Date received 6-31-51

American Perlite Co.
% Art Betloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

Name and address of applicant

Date May 21, 1951

INSTRUCTIONS

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

X 5

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? Tungsten
   (b) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Fleetwood Claims, Tungsten mine, shaft operation
   (a) Linear feet of shafts. 170 feet
   (b) Linear feet of drifts and crosscuts. none
   (c) Linear feet of tunnels or adits. none
   (d) Linear feet of other mine openings (explain briefly). None

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Not flooded. No pumping problems
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. 36 miles north of Trona, California
   (b) Mining district. Fern Mining District, in Panamint Mts., 1½ mi. above Panamint City silver camp.
   (c) Township, Section, Range.
   (d) County, State. Inyo County, California
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. Not in operation.
   (b) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☒ Contractor.
5. Number of years in production One year development done during World War II
   If not in production or operation, estimated date when production will begin Expect to start development July 1, 1951
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. A. Betloff has had 16 years experience in developing mines and building mills.
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)
Art Betloff 8827 Rosewood Ave., Los Angeles 48, Calif.	General Partner	$600.00 plus travel exp.	Over 10M			None	
J. H. Thomas 966 N. Normandie Ave., Los Angeles 27, Calif.	Limited Partner	None	Over 25M			None	
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: Not in production

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Not in production, development under consideration.

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. The exposed vein is 3/4 mile long, up to the granite with a lime contact. The face of the vein is much stronger at the bottom of the shaft than it is at the surface, which gives a good indication of a large deposit.

16-03792-1

American Perlite Co.
% Art Detloff
8827 Rosewood Ave.,
Los Angeles 48, Calif.

3 (c) Township, Section, Range.
Surprise Canyon and Water Canyon, South Park Mining District, Panamint Range, Inyo County, California. Government survey now in progress, exact legal description not available at this time.

7. History.
(a) Development was suspended after one year during World War II when tungsten dropped to $20.00 per unit on the market. During this period of development approximately $15,000.00 worth of tungsten was removed from the shaft.

(b) Located 1½ miles above old Panamint City Silver Camp of 1870. No previous tungsten development in this area other than mentioned herein in connection with Fleetwood Claims, which were discovered during World War II.

(c) Applicant sampled lower 132 feet of the 170 foot incline shaft, full width of vein which runs from 24 to 36 inches wide. 2480 pounds of ore were so removed to a custom mill. Milling of this sample ore produced 32 pounds of 60% WO3.

13. Access Roads.
Railroad and shipping and supply point are 36 miles distant, on a county road through Panamint City, of which 10 miles is dirt, the remainder paved. The mine road, from Panamint City, is 1½ miles of private road having dirt, rock and gravel surface, being repaired at the present time. Residence and mill site are 3/4 mile from mine, along same route from Panamint City.

14. Water Supply.
There is a stream from a large watershed which fills a 4-inch pipeline at the mill and camp site the year round, ample for mill and camp requirements. Mine supply is to be hauled in tanks from mill and camp site. This water is available at no cost under terms of a separate lease which is presently at the recorder's office and not available for copying.

15. Power.
Power for development of mine will be obtained from gas-driven air compressor and hoist.

16. Labor.
Two miners are employed at present on road construction, and will be used on mine development. Ample additional supply of all classes of labor is available.

17. Equipment and Facilities.
Enough suitable dwellings are available at camp site for development program. No plant buildings. Applicant has sufficient mining machinery for development of mine, consisting of air compressor, air tugger, jackhammers, steel, hose, pipe, hoist, slusher, caterpillar tractor, truck, water tanks, and steel for bunkers.

(*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. See item 7 (c) above.

(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: See item 7 (c) above.

TOTAL ORE OR MINERAL RESERVES

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

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

None at present.

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.

American Perlite Co.
(Name of company)

By Art Bettoff
(Signature of authorized official)

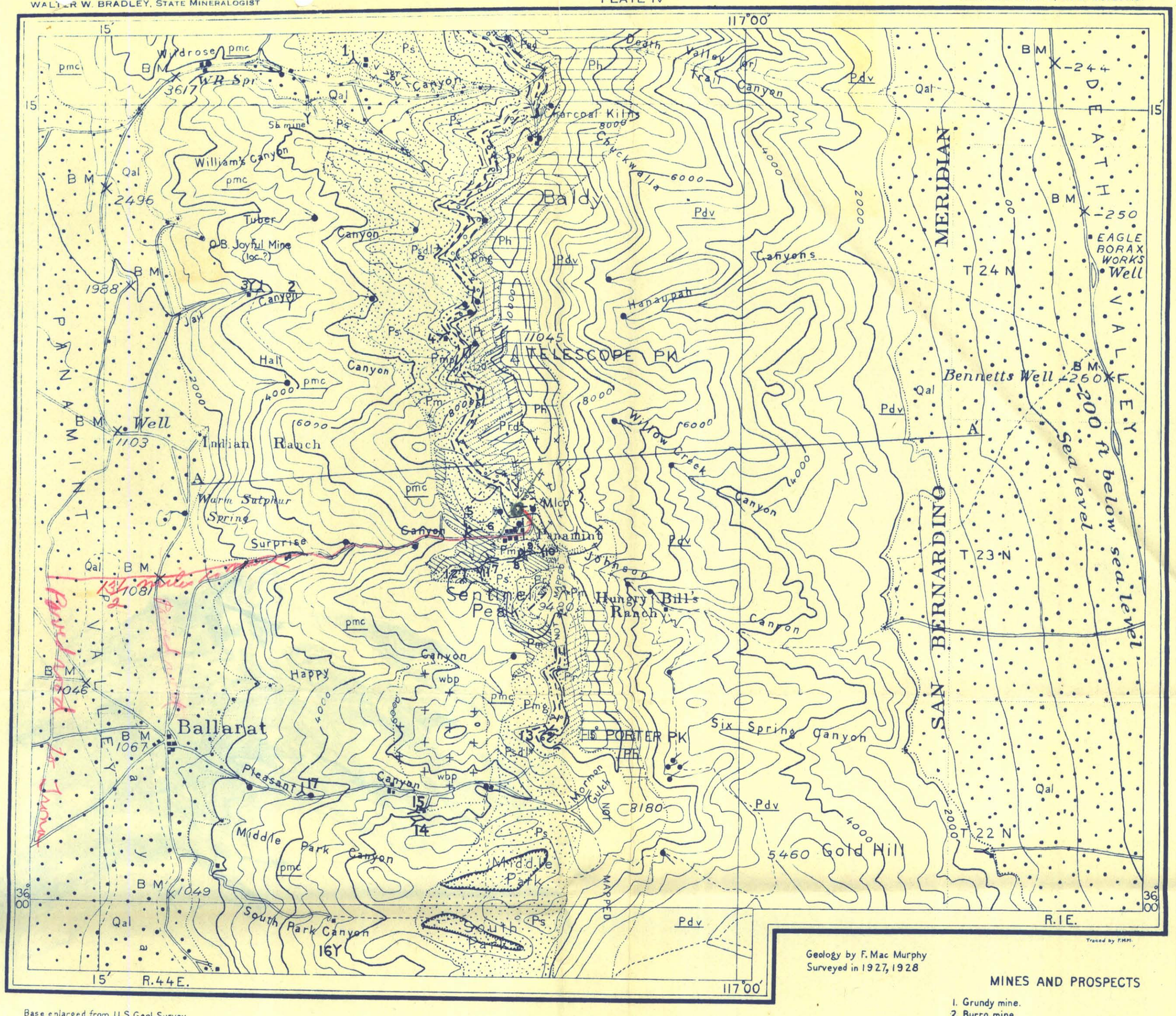
May 21, 1951
(Date)

General Partner
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 31 1951
LANDON F. STROBEL
Executive Secretary



Base enlarged from U.S. Geol. Survey Maps of the Ballarat, Furnace Creek and Searles Lake quadrangles
Culture revised and minor topographic changes made in 1928 by F. Mac Murphy

Geology by F. Mac Murphy
Surveyed in 1927, 1928

Scale
2 1 0 2 4 Miles
2 1 0 2 4 Kilometers
Contour interval 500 feet.
Datum is mean sea level

TRUE NORTH
MAGNETIC NORTH
16°
APPROXIMATE MEAN DECLINATION 1911.

RECONNAISSANCE GEOLOGIC MAP OF A PART OF THE PANAMINT RANGE, CALIFORNIA

LEGEND

SEDIMENTARY AND METAMORPHIC ROCKS

QUATERNARY

- Qal — Alluvium

LOWER PALEOZOIC (?)

- Pdv — Death Valley formation
- Ph — Hanaupah formation
- Prd — Redlands dolomitic limestone
- Pr — Radcliff formation
- Psd — Sentinel dolomite
- Pw — Wildrose formation
- Pmg — Mountain Girl conglomerate-quartzite
  DISCONFORMITY(?)
- Pmp — Middle Park formation
- Psdl — Sour Dough limestone
  NONCONFORMITY
- Ps — Surprise formation
- Pm — Marvel dolomitic limestone
  PROBABLE UNCONFORMITY

Telescope group

PRE-CAMBRIAN AND LOWER PALEOZOIC (?)

- pmc — Panamint metamorphic complex

IGNEOUS ROCKS

PRE-CAMBRIAN(?)

- wbp — World Beater porphyry (porphyritic granite)

MESOZOIC (?)

- Mlcp — Little Chief porphyry (granite porphyry)
- gr — granite

Approximate location of the Panamint District as mapped

Actual and inferred boundaries

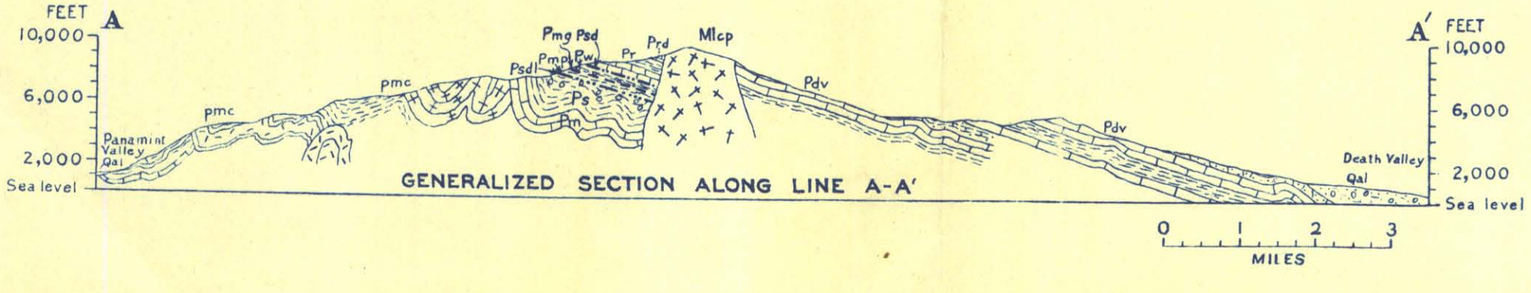
Trail

Tunnel

Springs

MINES AND PROSPECTS

1. Grundy mine.
2. Burro mine.
3. New Discovery (Gem group).
4. Horn Spoon mine.
5. Camp Bird mine.
6. Stewart's Wonder workings.
7. Wyoming workings.
8. Kenneth prospect.
9. Revenue prospect.
10. Bachelor workings.
11. Hemlock mine.
12. Alabama and Hudson River prospects.
13. Mt. Girl and Mt. Girl Ext. properties.
14. Radcliff mine.
15. World Beater mine.
16. Big Horn mine (formerly Gibraltar).
17. Anthony mine.



GENERALIZED SECTION ALONG LINE A-A′

Note: Elevation of U.S. Coast and Geodetic Survey's triangulation station on Sentinel Peak established in 1926 is 9627 feet above mean sea level.

PANAMINT RANGE #86A