DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1770-X

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

Manganese

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: Coordinating Committee Date July 27, 1951

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

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To: _____ Date _____

DO NOT DETACH

CONTROLLED DOCUMENT

400

FILE COPY
SURNAME:

Selfridge.

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

MAR 10 1952

Mr. Jack E. Horton
Owl Springs Manganese Co., Inc.
539 Hermes Street
Encinitas, California

Re: Docket DMA-1770X - Manganese
Big Beef Mine
San Bernardino County, California

Dear Mr. Horton:

In accordance with the advice received from you on March 6, 1952, we have removed your application from the active file and now consider the docket closed.

Sincerely yours,

C. O. Mittenderf (for) J.H. 3-10-52

Acting Administrator
Defense Minerals Exploration
Administration

LScott 3/7/52

cc: Admn. Reading File
~~Admn. Reading File~~
Docket
N.B. Melcher, USBM
M. D. Crittenden, USGS
Field Team, Region 3
G. C. Selfridge

A. G.

OWL SPRINGS MANGANESE CO., INC.

SAN BERNARDINO COUNTY
CALIFORNIA

BUSINESS OFFICE
539 HERMES ST.
ENCINITAS, CALIF.
TEL. ENC. 9406

WASHINGTON, D. C. OFFICE
4607 CONNECTICUT AVE.
TEL. ORDWAY 1165

March 1, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 6 1952

Mr. G. C. Selfridge
Acting Chief, Iron and Ferro-Alloy Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Selfridge: Re: Docket DMA-1770X - Manganese
Big Beef Mine
San Bernardino County, California

It has been our understanding that the additional information you requested on July 18, 1951, was supplied you by our Washington representative, Mr. W. S. Hammel, and the approved docket was forwarded to your San Francisco office for implementation. While we checked several times with both your San Francisco and Los Angeles offices we were never able to get any information whatsoever, so as we were not in position to go farther with our exploration we cancelled our leases and liquidated our mining operations.

You may remove the docket from your active files and consider the matter closed.

Sincerely yours,

Jack E. Horton

FILE COPY
SURNAME:

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

Selfridge

FEB 18 1952

Mr. Jack E. Horton
Owl Springs Manganese Co.
539 Hermes Street, R. 1
Encinitas, California

Re: Docket DMA-~~1170X~~ 1170 - Manganese
Big Beef Mine
San Bernardino County, California

Dear Mr. Horton:

Additional information pertaining to the above captioned application was requested in a letter to you dated July 18, 1951. Review of our file to date shows that the information has not been received.

Will you inform us whether or not you intend to continue with the application? If so, please send the requested information.

If you do not wish to proceed with the application, will you please so inform us and we shall remove the docket from our active files and consider the matter closed.

May we hear from you at your earliest convenience?

Sincerely yours,

G. C. Selfridge

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

P.N.
2-18-52

GCSelfridge/CCMittendorf/lm/fw
2/14/52
cc: Admr. Reading File
Docket
N. B. Melcher, USBM
M. D. Crittenden, USGS
Field Team Reg. III
G. C. Selfridge
G. G. Gentry

OL

2/11/52

Re: Docket DMA 1770- Manganese.

Letter to Applicant Requesting information and answer to Holderer Letter of 7/16/51

G.G.

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

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

Office of
Executive Officer
DMEA Field Team
Region III

February 4, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-1770X (Manganese) Big Beef - 10 Mining Claims, San Bernardino County, California

Reference is made to your subject letter dated January 29.

This office has no record of ever having received any request from the Washington Office for a field appraisal of the noted property. In fact, we have received nothing at all on Docket No. DMA-1770X.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 8 1952

FILE COPY
SURNAME:

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

JAN 29 1952

Mr. H. C. Miller
Executive Officer, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA 1770X - Manganese
Big Beef - 10 Mining Claims
San Bernardino County, California

Dear Mr. Miller:

A field appraisal of the above noted property was requested by letter dated July 27, 1951.

Please advise us as to the progress of your investigation at this time.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

GGGentry'lm
1/25/52

cc: Admn. Reading File
Docket
N. B. Melcher, USBM
M. D. Crittenden, USGS
Field Team Reg. III
G. C. Selfridge
G. G. Gentry

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

July 27, 1951

Mr. Jack E. Horton
Owl Springs Manganese Company
539 Hermes St., Rt. 1
Encinitas, California

In reply please refer to:
DMA-1770-X — Manganese

Dear Mr. Horton:

The application of the Owl Spring's Manganese Company has been forwarded to Mr. H. C. Miller, Executive Officer, DMA Field Team, Region III, 1012 Flood Bldg., 870 Market Street, San Francisco, California for a field examination.

Please contact Mr. Miller and advise him who his engineers should contact in examining the property.

Very truly yours,

George B. Holderer

Jam

George B. Holderer
Chief, Manganese Branch

TJBallard:awj

cc:File
Adm. Reading File
Reports & Records Unit
Field Team, Region III
Mr. W. S. Hammel
Mr. Holderer

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

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

Dear Sir:

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

Docket No. 1770 - X

Commodity Manganese

Applicant Owl Springs Manganese Company

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

Lowell B. Moon
For Bureau of Mines

For Geological Survey

~~6/5/51~~ 7/26/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1770-X

Commodity Manganese

Total Amount $15,000

Govt. Participation $11,250

1. Name and Address of Applicant Owl Springs Manganese Company, c/o Jack E. Horton, 539 Hermes St., Rt. 1, Encinitas, California.

2. Location of Property Big Beef Mine, San Bernardino County Ludlow, California.

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

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? Check

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)* Check

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

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

_____

Is a field check needed on this point? No

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

a) Is the project adequately described? Yes

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

b) Is there an adequate map or sketch of the proposed work? Not Adequate

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?_____

d) Are the cost estimates detailed? Yes

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

e) Are the cost estimates reasonable? Check

f) Should more information be requested from applicant? Determine

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

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? Check If so, attach a draft.

c) Are rents and charges reasonable? Determine

d) Is a field check needed? Check over

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

a) Are there sufficient data? Yes

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

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

d) Are the proposed wages and salaries reasonable? Check

e) Is a field check needed? Check over

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

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

(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? There is not sufficient information to determine if applicant's proposal is best plan for exploration of the deposit. Please let us have your suggestions to this effect, and your recommendations and conclusion for the property.

Reviewed by: L. J. Ballard

G. B. Holden

Date 7/26/51

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

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

7/26/51

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

Dear Sir:

We attach "Review of Application for Exploration Assistance"

on:

Docket No. 1770-X

Commodity Manganese

Applicant Owl Springs Manganese 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

~~6/5/51~~ 7/26/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1770-X

Commodity Manganese

Total Amount $15,000

Govt. Participation $11,250

1. Name and Address of Applicant Owl Springs Manganese Company, c/o Jack E. Horton, 539 Hermes St. Rt. 1, Encinitas, California

2. Location of Property Big Reef Mine, San Bernardino County Ludlow, California

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

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? Check

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)* Check

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

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

_____

Is a field check needed on this point? No

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

a) Is the project adequately described? Yes

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

b) Is there an adequate map or sketch of the proposed work? Not Adequate

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?_____

d) Are the cost estimates detailed? Yes

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

e) Are the cost estimates reasonable? Check

f) Should more information be requested from applicant? Determine

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

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? Check If so, attach a draft.

c) Are rents and charges reasonable? Determine

d) Is a field check needed? Check over

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

a) Are there sufficient data? Yes

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

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

d) Are the proposed wages and salaries reasonable? Check

e) Is a field check needed? Check over

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

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

(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? There is not sufficient information to determine if applicant's proposal is best plan for exploration of the deposit. Please let us have your suggestions to this effect, and your recommendations and conclusion for the property.

Reviewed by: T. J. Ballard
G. B. Holden

Date 7/26/51

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

List of File to Miller 7/26/51

DMA 1770X Manganese

1- Copy letter Holderer to Owl Springs Mn Co. 7/18/51
2- MF-103 with typed answers attached
lease "
Agreement "
Financial "
Shipment assays "
Sketch "
Landlords Subord Agreement

340

FILE COPY
SURNAME:

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

Geely
Holderer

July 18, 1951

Owl Springs Manganese Co.
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

In reply please refer to
DMA 1770X

Dear Mr. Horton:

Your application for assistance in the exploration of the Big Reef mine, San Bernardino County, California has been carefully reviewed. It is agreed that some exploration of this type is worth-while but certain inconsistancies and shortcomings in the proposal as presented make it impossible to approve it in its present form. Your sketch of the claims and proposed workings is adequate to show the relationship between the railroad and the area to be explored, but it is not sufficiently detailed to indicate the location and the extent of the work to be done or the relationship of the proposed crosscut to the surface outcrop of the veins.

It is suggested that you include a new map on a larger scale which will indicate the location of this work to be done. It would also be desirable to submit a cross section through the proposed workings which will show to the correct scale the depth at which the crosscut will intersect each of the veins.

In view of the statement contained in the State of California Bulletin No. 152 that manganese oxides may not extend to much more than 25 feet below the surface, it is important that you indicate whether this depth will be exceeded. Also a description contained in the bulletin indicates that the strike of the fissure zone is approximately N. 10° W. whereas the fissures you have indicated strike about N. 60° E. This confusion should be clarified. Please also indicate either on your map or in additional descriptive material the exact distance between the two adits described in Bulletin No. 152 and the new adit you propose to drive.

If you are not already associated with someone who is qualified to prepare the necessary map and sections, it is suggested that you engage engineering or geological assistance for this purpose.

Very truly yours,

CHJacoby:bl

George B. Holderer
jam

George B. Holderer
Chief, Manganese Branch

CC: Adm. Reading File
Reports & Records Unit
Mr. Holderer
Mr. Crittenden
Files ✓

DMA 1770

2858

Copy our letter to
Owl Springs. dated 7/18/51
forwarded to Field

1770X

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George B. Holderer DATE: July 16, 1951

FROM : M. D. Crittenden

SUBJECT: DMA-1770 X, Owl Springs Manganese Co.

The applicant, the Owl Springs Manganese Co., proposes to explore a property known during World War II as the Big Reef mine. They indicate they believe it contains up to 50,000 tons of ore, presumably containing about 25 percent Mn. No evidence is given for this, however, and the Geological Survey report based on an examination in March, 1943 gives only 2000 tons measured and indicated reserves at 25% Mn. Moreover, the sketchy description and the map of the property submitted by the applicant which show the manganese-bearing veins to be striking approximately N. 60° E., and a proposed cross-cut N. 20-30° W. do not agree with the description in California State Division of Mines bull. 152, p. 188-190, in which the fissure is stated to strike N. 10° W.

Because of these discrepancies, and the absence of sufficiently detailed map for the purpose of laying out the work to be done, it is suggested the applicant be requested to supplement the application, and to clarify the points of confusion. A draft of a letter follows:

"Your application for assistance in the exploration of the Big Reef mine, San Bernardino County, California, has been reviewed. It is agreed that some exploration of this type is worthwhile but certain inconsistencies and shortcomings in the proposal as presented make it impossible to approve it in its present form. Your sketch of the claims and the proposed workings is adequate to show the relationship between the railroad and the area to be explored, but is not sufficiently detailed to indicate the location and the extent of the work to be done or the relationship of the proposed crosscut to the surface outcrop of the veins.

It is suggested that you include a new map on a larger scale which will indicate this. It would be desirable also to submit a cross section through the proposed working which will show to the correct scale the depth at which the crosscut will intersect each of the veins. In view of the statement contained in State of California Bull. 152 that the manganese oxides may not extend to much more than 25 feet below the surface, it is important that you indicate whether this depth will be exceeded. Also a description contained in that bulletin indicates that the strike of the fissure zone is approximately N. 10° W. whereas the fissures you have indicated appear to strike about N. 60° E. This confusion should be clarified.

Please indicate also, either on your map or in additional descriptive material, the exact relationship and ~~space~~ distance between the two adits described in Bull. 152 and the new adit you propose to drive.

If you are not already associated with someone who is qualified to prepare the necessary maps and sections, it is suggested that you engage engineering or geological assistance for this purpose."

FILE COPY
SURNAME:

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

July 3, 1951

Mr. W. S. Hammel, President
c/o Mr. Jack M. Horton
539 Hermes Street, Route 1
Encinitas, California

Subject: DMA-1770X
Re: Exploration Loan -
Big Reef, Black Butte,
Hangover, Sullivan, Little
Bobby, End Line, Protector,
Next Time, Willkie, Lava Cap

My dear Mr. Hammel:

Receipt is acknowledged of your application and attachments of June 29, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1770X and referred to Mr. George Holderer, Chief, Manganese Branch on June 29, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1770X.

Sincerely yours,

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Holderer
Lyon

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. [illegible]

Date received

Participation

Oil Springs Manganese Company
c/o Jack E. Horton
5[illegible]9 Hermes St. Rt. 1
Encinitas, California

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application 6-29-51

Estimated cost 15,000.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine Ludlow, California

Date of filing MF-100

DMA Docket Number, if available

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? Partnership

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

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Not applicable

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

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. Not applicable

7. If lessee, attach a copy of the lease and state if it is in good standing. Attached as Appendices, 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. Attached as Appendix

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)? $6,000.00 It is sufficient.

*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. See attached sheet

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

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

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

*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. See attached sheet.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. See attached sheet. 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. See attached sheet.

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

*16. History: See attached.

(*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: Approximately 125 tons

(*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.) See attached.

(*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? Manganese

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

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. See attached.

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. Attached

(*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. Attached

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.

Owl Springs Manganese Company
(Name of company)

By W. D. Hammel
(Signature of authorized official)

6-29-51
(Date)

President
(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

OWL SPRINGS MANGANESE CO., INC.
SAN BERNARDINO COUNTY
CALIFORNIA

BUSINESS OFFICE
539 HERMES ST.
ENCINITAS, CALIF.
TEL. ENC. 9406

WASHINGTON, D. C. OFFICE
4607 CONNECTICUT AVE.
TEL. ORDWAY 1165

#2 J. E. Horton
539 Hermes St.,
Encinitas, California

E. C. Horton
c/o Poe's Motel
Newberry, California

W. S. Hammel
4607 Connecticut Ave., N.W.
Washington, 8, D. C.

#4 Experience of operator: a. & b. The applicant and persons who manage the project are one and the same, inasmuch as E. C. Horton who manages the mine is one of the partners. E. C. Horton has had many years experience in mining operations including the management of silver-lead mining operations in Idaho and Montana. Mr. Horton has also had wide experience in the management and operations of mills for the concentration of various types of Ore.

#10 a. The Ludlow property consists of Lode Mining Claims situated in Section 10 Township 8 North Range 6 East San Bernardino Base and Meridian in the County of San Bernardino known and designated upon the records of said county as follows: Big Reef, Black Butte, Hangover, Sullivan, Little Bobby, End Line, Protector, Next Time, Willkie, Lava Cap, as recorded in the Office of the Recorder, San Bernardino County No. 183 Book 2744 page 121 Dated April 5, 1951.

#12 Three miles from Pisgah siding on the A.T. & S. F., R.R. Fair road from mine to siding, which is located approximately 14 miles east of Ludlow and 44 miles west of Barstow. Both towns on U. S. Highway #66. See map.

#13 Water must be hauled to mine. Is used only for drinking and washing. Supply near by is ample in all seasons.

#14 We have moved in mining equipment and a house trailer for the supervisor. All miners live in near by towns and travel to and from daily. In some cases we supply them transportation.

#15 The mine is located only four miles from the loading ramp at the railhead over a fair road. The siding of the A.T. & S.F. Railway is known as Pisgah Siding, and ore can be shipped to the East Coast via A.T. and S.F. Railway.

#16 Exact history unknown except that sizeable quantities of manganese were removed during World War I and it is assumed that operations were shut down in the interim period because of the very low market price of domestic manganese.

#18 There are numerous outcroppings of ore on the property which indicate up to 50,000 tons of ore are available in this area.

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The Exploration

#21 Make a cross cut on the property to expose six fissues and drift in on each. Estimated time required, three months.

#22 We have worked the property three months and have shipped approximately 100 tons of 27.5% and 25 tons of plus 40%. State of Calif., Department of Natural Resources have a good description of this property. In their bulletin #152 on manganese deposits in California, under Big Reef Deposit, are Black Butte, Hangover, Little Bobby, Sullivan and End Line. Pages 188, 189, 190, 191. We feel additional exploration will disclose substantial deposits of good commercial quality.

#23 The Requirements and Costs

a.	2 Miners @ $2.00 per hr	$360.	per mo	$720.00
	2 Muckers @ $1.85 per hr	288.	" "	576.00
	1 Cat driver @ $2.00 per hr	360.	" "	360.00
b.	Supervisor: one	500.	" "	500.00
	Labor Cost, one month			$2,156.00
c.	None			
d.	None			
e.	None			
f.	Skip loader	Per mo		$300.00
g.	2 Jack Hammers @ $45.00	" "		90.00
	1 Air Compressor	" "		395.00
	1 3 KW Power Plant	" "		90.00
	1 Cletrac Bulldozer	" "		650.00
	1 Dump truck	" "		150.00
	1 Station Wagon	" "		150.00
	1 House Trailer, office and living quarters for Supervisor per mo			150.00
	Equipment Rental, one month			$1,975.00
h.	Powder, caps & fuse	Per mo		$225.00
	Jack bits	" "		25.00
	Gasoline & Oil	" "		325.00
				$575.00
i.	Telephone & Telegraph	" "		50.00
	Total all Costs one Month			$4,756.00

#24 It is anticipated to do one-third of the project per month at the approximate cost of $4,756.00 per month.

3 months total $14,268.00

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX B

MINE LEASE, WITH OPTION TO BUY

THIS AGREEMENT, Made the 27th day of March, 1951, pursuant to Order of Court in the matter of the estate of CHARLES SAMUEL VAN DOREN, deceased, made and entered in the Superior Court of the State of California in and for the County of San Bernardino on the 19th day of March, 1951,

BETWEEN

Kenneth Van Doren
Administrator of the state
of Charles Samuel Van Doren,
Deceased,

Lessor,

AND

John W. Harrington, of
2414 Torrance Boulevard
Torrance, California,

Lessee,

WITNESSETH: That,

For and in consideration of the rents, royalties, covenents and agreements hereinafter reserved and by the said Lessee to be said, kept and performed, said Lessor has granted, demised and let, and by these presents does grant, demise and let, unto the said Lessee, for mining purposes only, all of these certain Lode Mining Claims situated in Section 10, Township 8 North, Range 6 East, San Bernardino Base and Meridian, in the County of San Bernardino, State of California, known and designated upon the records of said County as follows:

Big Reef
Black Butte
Hangover
Sulliven
Little Bobby
End Line
Protector
Next Time
Willkie
Lava Cap

TO HAVE AND TO HOLD, unto the said Lessee, for the term of five (5) years, commending at noon on the first day of February, 1951, and expiring at noon on the first day of February, 1956, unless sooner forfeited through the violation of any covenant hereinafter against the said Lessee reserved.

AND IN CONSIDERATION OF THE SAID DEMISE, the said Lessee does covenent and agree with said Lessor as follows:

Owl Springs Manganese Company
c/o Jack M. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX B contd.

1. To pay to Lessor a royalty of One Dollar ($1.00) per ton of ore mined and removed, first payment to be made on April 10, 1951, and monthly payments to be made thereafter on the 10th day of each calendar month.

2. To pay to Lessor a minimum royalty of One Hundred Dollars ($100.00) per month, such payment to be made at the time for monthly payments hereinbefore specified.

3. To enter upon said mines and premises and work the same in good minerlike fashion, in manner necessary to good and economical mining, and subject to the approval of Lessor.

4. To allow said Lessor and his agents to enter upon and into all parts of said mines for the purpose of inspection and approval, with use of all means of ingress and egress for such purposes.

5. To deliver to Lessor, his agents or assigns, at the times hereinafter stated, a full report of all ore and products removed from each of said premises, and the dates of removal, the first such report to be made on April 10, 1951, and monthly reports to be made thereafter on the 10th day of each calendar month during the life of this lease.

6. To post notices of non-responsibility on the part of Lessor in proper places on each of said mining claims.

7. To conduct all operations in and on said mines and each of them in conformity with the laws of the State of California

8. To deliver up to said Lessor the said premises, with the appurtenances and all improvements, in good order and condition, and the mines in all points ready for immediate continued working (accidents not arising from negligence excepted), at the time of termination of this lease.

IT IS UNDERSTOOD AND AGREED that during the first two (2) months of the term of this Lease, the Lessee may make such tests and borings as may be necessary to establish mining procedure.

Lessee shall have the option to purchase said mining claim for the total sum of Twenty-five Thousand Dollars ($25,000.00) in cash, said option to be exercised on or before the first day of February, 1954, and to be communicated in writing to Lessor.

In the event Lessee fails to make any royalty payment herein specified within ten (10) days after the same becomes due, this lease shall terminate without notice and all of Lessee's rights in said mining claims shall thereupon cease.

Each and every clause and covenant of this agreement shall extend to the heirs, executors, administrators and assigns of all parties hereto.

IN WITNESS WHEREOF, said parties have hereunto set their hands the day and year first above written.

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX B contd.

/s/ Kenneth Van Doren
Administrator of the Estate of
Charles Samuel Van Doren, deceased

/s/ John W. Harrington

STATE OF CALIFORNIA,)
County of Riverside,) SS.

On this 27th day of March, 1951, before me, Bertha F. Place, Notary Public in and for said County and State, personally appeared Kenneth Van Doren and John W. Harrington, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

/s/ Bertha F. Place
Notary Public in and for said
County and State

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX C

Book 2731 Page 216
San Bernardino County

A G R E E M E N T

This Agreement made the 5th day of March, 1951, between JOHN W. HARRINGTON of 2414 Torrance Boulevard, Torrance, California, Sublessor, and Owl Springs Manganese Co., a partnership, Sublessee,

W I T N E S S E T H:

That for and in consideration of the rents, royalties, covenants and agreements hereinafter reserved and by the said sublessee to be paid, kept and performed said sublessor has granted, demised and let, and by these presents does grant, demise and let unto the said sublessee, for mining purposes only, that certain Lode Mining Claim situated in Section 10, Township 8, North, Range 6 East, San Bernardino Base and Meridian, in the County of San Bernardino, State of California, known and designated upon the records of said County as the following:

Big Reef
Black Butte
Hangover
Sullivan
Little Bobby
End Line
Protector
Next Time
Willkie
Lava Cap

to have and to hold unto the said sublessee for the term commencing March 1, 1951, and expiring at noon on the first day of February, 1956, unless sooner terminated through the violation of any covenant herein contained.

And, in consideration of the said demise, the said sublessee does covenant and agree with said sublessor as follows:

1. To pay to sublessor a royalty of $5.60 per ton for all of manganese ore assaying 40% manganese or over, payments to be made within ten days of payments to sublessee by the purchaser of said ore. Evidence of all shipments of ore is to be furnished sublessor by duplicate statements of the original shipping invoices.

2. To pay to sublessor a royalty of $8.60 per ton for all of that certain high grade ore (assaying 40% manganese or over) now stockpiled on the Willkie claim, said ore to be removed by sublessee and payment to be made therefor by sublessee in the sum of One Thousand Dollars ($1000.00) upon execution of this contract and remain until conclusion of lease.

3. To pay to sublessor a minimum royalty of Two Hundred ($200) Dollars per month. Whenever the amount of ore mined in any one month does not equal the minimum required according to the terms of this lease, payment must be made for the full minimum, but whenever the amount of ore mined in any month exceeds the minimum

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX C Contd.

required under this lease, then and in that case, any excess royalty paid from time to time over and above the royalty on ore actually mined shall apply to pay royalty on ore mined less than the minimum for any month or months during the life of this lease.

4. To pay to sublessor a royalty of ten percent (10%) of gross sales of manganese ore of less than forty percent (40%) quality. Should any ore lower than 40% grade be mined and not sold by sublessee, sublessee agrees to stockpile said ore and refrain from overloading said ore with other materials. In no event shall said 10% of gross sales of said ore amount to less than $1.50 per ton.

5. To enter upon said premises and work the same in good minerlike fashion and diligence shown at all times to obtain and market manganese.

6. To allow the sublessor hereunder and his lessor to enter upon and into all parts of the premises for the purpose of inspection, with use of all means of ingress and egree for such purpose.

7. To deliver to sublessor in duplicate a full report of all ores and products removed from said premises on or before the 10th day of each calendar month during the lease term, beginning April 10, 1951, Sublessee at the first of each month pays $1.00 per ton to sublessor for all ore removed from premises.

8. Sublessee shall have the right to assign, transfer or convey his rights under the terms of this lease, providing all rights of the sublessor are protected and sublessee is responsible to sublessor of this lease to the final termination.

9. To comply with all laws of the State of California in working upon said premises.

IN WITNESS WHEREOF the Parties have set their hands on the date first above written.

OWL SPRINGS MANGANESE COMPANY, a Partnership consisting of:
W. S. Hammel
E. C. Horton and
Jack E. Horton

/s/ John W. Harrington
Sublessor
Jack E. Horton
E. C. Horton
Sublessees

State of California)
County of Los Angeles) ss

Before me, a Notary Public in and for the State of California, presiding at Montebello, Los Angeles County, personally appeared John W. Harrington, Jack E. Horton and E. C. Horton, who acknowledge that the foregoing instrument was signed of their own free will and accord and not under duress.

/s/ Ann McConn
March 6, 1951

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX G

OWL SPRINGS MANGANESE CO, INC.

BALANCE SHEET
as of
March 31, 1951

ASSETS

Cash		719.37	
Inventory - Ore		1000.00	
Equipment	13893.05		
Less: Reserve for Depreciation	347.32	13545.73	
TOTAL ASSETS			15265.10

LIABILITIES AND CAPITAL

Accounts Payable			
J. E. Horton		263.11	
E. C. Horton		4158.65	
State Unemployment Insurance		249.18	
Social Security Tax		198.42	
Withholding Tax		738.80	
		5618.16	
Capital			
W. S. Hammel	12000.00		
J. E. Horton	6750.00		
E. C. Horton	6750.00		
	25500.00		
Less: Loss to date	15853.06	9646.94	
TOTAL LIABILITIES AND CAPITAL			15265.10

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX G

Profit and Loss Statement
January 1, 1951, to March 31, 1951

Income		
Board of Miners	712.00	
Refund of Fees	17.80	729.80
Expenses		
Wages	6871.81	
Social Security Taxes	288.62	
Other Licenses and Taxes	453.11	
Repairs & Maintenance	563.42	
Light, Heat, Power & Water	707.10	
Telephone & Telegraph	128.60	
Supplies	2902.85	
Food	1328.59	
Insurance	356.99	
Travel	1977.93	
Miscellaneous	656.52	
Depreciation	347.32	16582.86
NET LOSS TO DATE		15853.06

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX E

Assay of two cars of ore sent to Geneva Steel Company May 18, 1951, ore selected so as not to go over 30% Mn. content from Ludlow property

ASSAY 1

Silica	25.21	26.69
Alumina	2.64	2.34
Lime	2.60	2.34
Magnesia	.64	.68
Sulphur	.045	.101
Iron	1.8	2.1
Phosphorus	.034	.026
Manganese	28.1	26.9

Assay of manganese ore from Ludlow taken from three foot open cut on foot wall

ASSAY 2

Manganese	29.40
Iron	1.90
Silica & Aluminum Oxide	33.12
Copper	trace
Lead	.04
Zinc	.35
Sulphur	.23
Phosphorous	.08

Owl Springs Glory Hole face of cross cut 20 feet below floor of Glory Hole

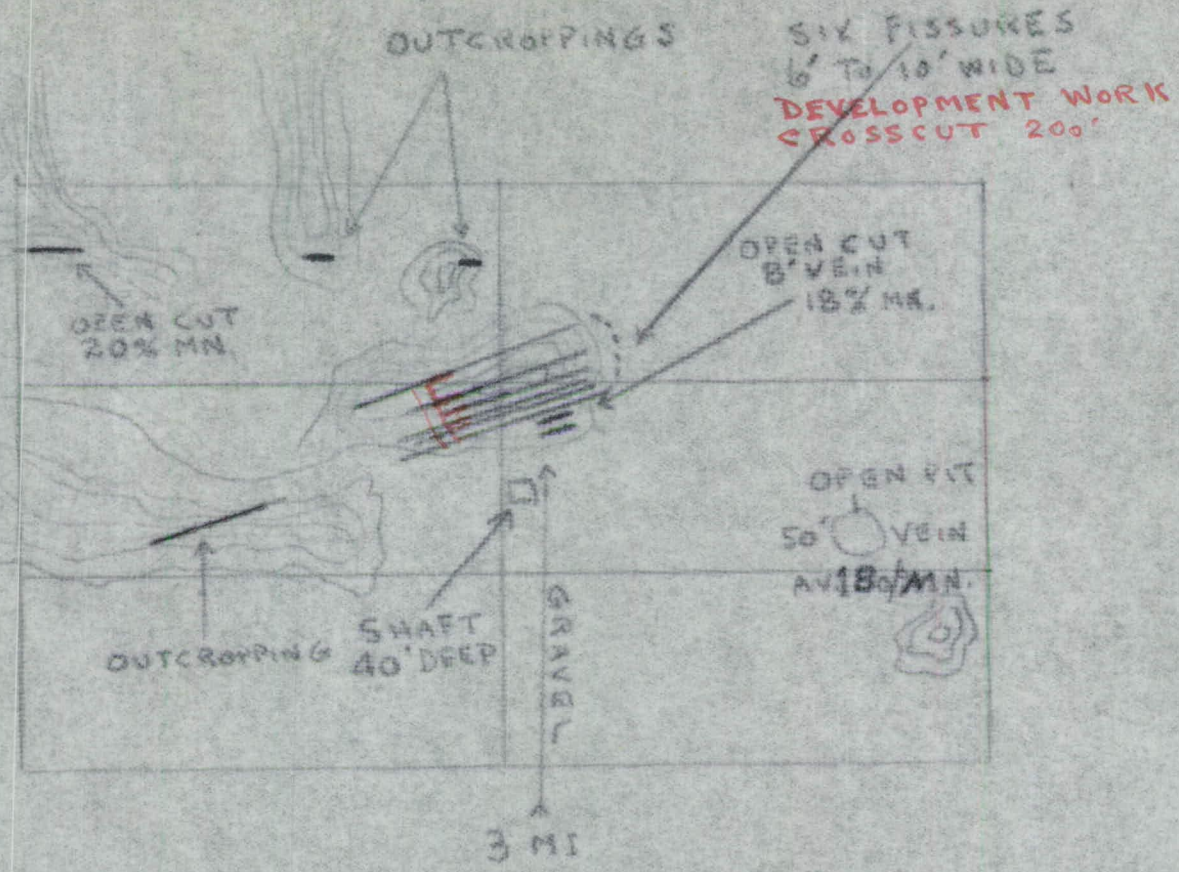
ASSAY 3

Manganese	36.11
Iron	2.00
Silica & Aluminum Oxide	10.00
Copper	trace
Lead	nil
Zinc	trace
Sulphur	.13
Phosphorous	.04

Stockpile of ore for Government at Ludlow

Manganese	44.35
Iron	1.41
Silica & Aluminum Oxide	7.48
Copper	nil
Lead	nil
Zinc	.19
Sulphur	.12
Phosphorous	.04

VAN DOREN ESTATE
MANGANESE CLAIMS
SECTION 10 TOWNSHIP
8 NORTH RANGE 6 E.
S. B. M.
COUNTY OF SAN
BERARDINO, CALIF.



Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

6

(7)

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of San Bernardino, State of California, described in a certain Exploration Project Contract dated _____, 195__, between Owl Springs Manganese Company, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated March 27, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned. The foregoing is executed upon the understanding that it affects the undersigned only as set forth in Department of Interior Release dated May 14, 1951 by Secretary of Interior, Oscar L. Chapman.

Dated this 9th day of June, 1951.

Estate of Charles Samuel Van Doren

By Kenneth Van Doren
Administrator

U. S. GOVERNMENT PRINTING OFFICE 940768

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. D 1119-1770

Date received

Participation

Owl Springs Manganese Company
c/o Jack E. Horton
529 Hermes St. Rt. 1
Encinitas, California

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application 6-29-51

Estimated cost $15,000.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine Ludlow, California

Date of filing MF-100

DMA Docket Number, if available

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? Partnership

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

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Not applicable

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

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. Not applicable

7. If lessee, attach a copy of the lease and state if it is in good standing. Attached as appendices, 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. Attached as appendix

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)? $6,000.00 If it is sufficient.

*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. See attached.

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

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

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

*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. See attached.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. See attached.
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. See attached.

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

*16. History: See attached.

(*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: Approximately 125 tons.

(*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.) See attached.

(*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? Manganese

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

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. See attached.

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: Attached.

(*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. Attached.

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.

Owl Springs Manganese Company
(Name of company)

By W. D. Hammel
(Signature of authorized official)

6-29-51
(Date)

President
(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

(2)

OWL SPRINGS MANGANESE CO., INC.

SAN BERNARDINO COUNTY
CALIFORNIA

BUSINESS OFFICE
539 HERMES ST.
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21. Water must be hauled to mine. Is used only for drinking and washing. Supply now by is made in Ludlow.

14 We have moved in mining equipment and house trailer for the supervisor. All miners live in near by to minimize travel to and from daily. In some cases to supply such transportation.

16 The mine is located only four miles from the loading point at the railroad over a fair road. The siding on the A.T. & S.F. Railway is known as Fisgah Siding, and ore can be shipped to the East Coast via A.T. & S.F. Railway.

16 Exact history unknown except that considerable quantities of manganese were produced during World War I and it is assumed that operations were shut down in the intervening period because of the very low market price of metallic manganese.

18 There are numerous outcroppings of ore on the property which indicate up to 10,000 tons of ore are available in this area.

OWL SPRINGS MANGANESE CO., INC.

SAN BERNARDINO COUNTY
CALIFORNIA

BUSINESS OFFICE
539 HERMES ST.
ENCINITAS, CALIF.
TEL. ENC. 9406

WASHINGTON, D. C. OFFICE
4607 CONNECTICUT AVE.
TEL. ORDWAY 1165

(2)

The exploration

#21 Make a cross cut on the property to expose six fissures and drift in on each. Estimated time required, three months.

#22 We have worked the property three months and have shipped approximately 100 tons of 37.5 and 25 tons of plus 40%. State of Calif., Department of Natural Resources have a good description of this property. In their bulletin #152 on manganese deposits in California, under Big Reef Deposit, are Black Butte, Hangover, Little Bobby, Sullivan and End Line. Pages 188, 189, 190, 191. We feel additional exploration will disclose substantial deposits of good commercial quality.

#23 The Requirements and Costs

a.	2 Miners @ $2.06 per hr	360.	per mo	$720.00
	Muckers @ $1.85 per hr	288.	" "	576.00
	1 Cat driver @ $2.00 per hr	280.	" "	560.00
b.	Supervisor: one	500.	" "	500.00
	Labor Cost, one month			$2,156.00
c.	None			
d.	None			
e.	None			
f.	Skip loader	Per mo		500.00
g.	2 Jack Hammers @ $45.00	" "		90.00
	1 Air Compressor	" "		295.00
	1 5 KW Power Plant	" "		90.00
	1 Cletrac Bulldozer	" "		650.00
	1 Dump truck	" "		150.00
	1 Station Wagon	" "		150.00
	1 House Trailer, office and living quarters for Supervisor per mo			150.00
	Equipment Rental, one month			$1,975.00
h.	Powder, caps & fuse	Per mo		$225.00
	Jack bits	" "		25.00
	Gasoline & Oil	" "		325.00
				$575.00
i.	Telephone & Telegraph	" "		50.00
	total all Costs one month			$4,756.00

#24 It is anticipated to do one-third of the project per month at the approximate cost of $4,756.00 per month.

3 Months total $14.268.00

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX B~~ (4)

MINE LEASE, WITH OPTION TO BUY

THIS AGREEMENT, Made the 27th day of March, 1951, pursuant to Order of Court in the matter of the estate of CHARLES SAMUEL VAN DOREN, deceased, made and entered in the Superior Court of the State of California in and for the County of San Bernardino on the 19th day of March, 1951,

B E T W E E N

Kenneth Van Doren
Administrator of the Estate
of Charles Samuel Van Doren,
Deceased,

Lessor,

A N D

John W. Harrington, of
2414 Torrance Boulevard
Torrance, California,

Lessee,

WITNESSETH: That,

For and in consideration of the rents, royalties, covenants and agreements hereinafter reserved and by the said Lessee to be paid, kept and performed, said Lessor has granted, demised and let, and by these presents does grant, demise and let, unto the said Lessee, for mining purposes only, all of these certain Lode Mining Claims situated in Section 10, Township 8 North, Range 6 East, San Bernardino Base and Meridian, in the County of San Bernardino, State of California, known and designated upon the records of said County as follows:

Big Reef
Black Butte
Hangover
Sullivan
Little Bobby
End Line
Protector
Next Time
Willkie
Lava Cap

TO HAVE AND TO HOLD, unto the said Lessee, for the term of five (5) years, commending at noon on the first day of February, 1951, and expiring at noon on the first day of February, 1956, unless sooner forfeited through the violation of any covenant hereinafter against the said Lessee reserved.

AND IN CONSIDERATION OF THE SAID DEMISE, the said Lessee does covenent and agree with said Lessor as follows:

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

1. To pay to Lessor a royalty of One Dollar ($1.00) per ton of ore mined and removed, first payment to be made on April 10, 1951, and monthly payments to be made thereafter on the 10th day of each calendar month.

2. To pay to Lessor a minimum royalty of One Hundred Dollars ($100.00) per month, such payment to be made at the time for monthly payments hereinbefore specified.

3. To enter upon said mines and premises and work the same in good minerlike fashion, in manner necessary to good and economical mining, and subject to the approval of Lessor.

4. To allow said Lessor and his agents to enter upon and into all parts of said mines for the purpose of inspection and approval, with use of all means of ingress and egress for such purposes.

5. To deliver to Lessor, his agents or assigns, at the times hereinafter stated, a full report of all ore and products removed from each of said premises, and the dates of removal, the first such report to be made on April 10, 1951, and monthly reports to be made thereafter on the 10th day of each calendar month during the life of this lease.

6. To post notices of non-responsibility on the part of Lessor in proper places on each of said mining claims.

7. To conduct all operations in and on said mines and each of them in conformity with the laws of the State of California

8. To deliver up to said Lessor the said premises, with the appurtenances and all improvements, in good order and condition, and the mines in all points ready for immediate continued working (accidents not arising from negligence excepted), at the time of termination of this lease.

IT IS UNDERSTOOD AND AGREED that during the first two (2) months of the term of this lease, the Lessee may make such tests and borings as may be necessary to establish mining procedure.

Lessee shall have the option to purchase said mining claims for the total sum of Twenty-five Thousand Dollars ($25,000.00) in cash, said option to be exercised on or before the first day of February, 1954, and to be communicated in writing to Lessor.

In the event Lessee fails to make any royalty payment herein specified within ten (10) days after the same becomes due, this lease shall terminate without notice and all of Lessee's rights in said mining claims shall thereupon cease.

Each and every clause and covenant of this agreement shall extend to the heirs, executors, administrators and assigns of all parties hereto.

IN WITNESS WHEREOF, said parties have hereunto set their hands the day and year first above written.

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

/s/ Kenneth Van Doren
Administrator of the Estate of
Charles Samuel Van Doren, deceased

/s/ John W. Harrington

STATE OF CALIFORNIA,)
County of Riverside.) SS.

On this 27th day of March, 1951, before me, Bertha F. Place, Notary Public in and for said County and State, personally appeared Kenneth Van Doren and John W. Harrington, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

/s/ Bertha F. Place
Notary Public in and for said
County and State

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX C~~ 7

Book 2731 Page 216
San Bernardino County

A G R E E M E N T

This Agreement made the 5th day of March, 1951, between JOHN W. HARRINGTON of 2414 Torrance Boulevard, Torrance, California, Sublessor, and Owl Springs Manganese Co., a partnership, Sublessee,

W I T N E S S E T H:

That for and in consideration of the rents, royalties, covenants and agreements hereinafter reserved and by the said sublessee to be paid, kept and performed said sublessor has granted, demised and let, and by these presents does grant, demise and let unto the said sublessee, for mining purposes only, that certain Lode Mining Claim situated in Section 10, Township 8, North, Range 6 East, San Bernardino Base and Meridian, in the County of San Bernardino, State of California, known and designated upon the records of said County as the following:

Big Reef
Black Butte
Mangover
Sullivan
Little Bobby
End Line
Protector
Next Time
Willkie
Lava Cap

to have and to hold unto the said sublessee for the term commencing March 1, 1951, and expiring at noon on the first day of February, 1956, unless sooner terminated through the violation of any covenant herein contained.

And, in consideration of the said demise, the said sublessee does covenant and agree with said sublessor as follows:

1. To pay to sublessor a royalty of $5.60 per ton for all of manganese ore assaying 40% manganese or over, payments to be made within ten days of payments to sublessee by the purchaser of said ore. Evidence of all shipments of ore is to be furnished sublessor by duplicate statements of the original shipping invoices.

2. To pay to sublessor a royalty of $8.60 per ton for all of that certain high grade ore (assaying 40% manganese or over) now stockpiled on the Willkie claim, said ore to be removed by sublessee and payment to be made therefor by sublessee in the sum of One Thousand Dollars ($1000.00) upon execution of this contract and remain until conclusion of lease.

3. To pay to sublessor a minimum royalty of Two Hundred ($200) Dollars per month. Whenever the amount of ore mined in any one month does not equal the minimum required according to the terms of this lease, payment must be made for the full minimum, but whenever the amount of ore mined in any month exceeds the minimum

required under this lease, then and in that case, any excess royalty paid from time to time over and above the royalty on ore actually mined shall apply to pay royalty on ore mined less than the minimum for any month or months during the life of this lease.

4. To pay to sublessor a royalty of ten percent (10%) of gross sales of manganese ore of less than forty percent (40%) quality. Should any ore lower than 40% grade be mined and not sold by sublessee, sublessee agrees to stockpile said ore and refrain from overloading said ore with other materials. In no event shall said 10% of gross sales of said ore amount to less than $1.50 per ton.

5. To enter upon said premises and work the same in good minerlike fashion and diligence shown at all times to obtain and market manganese.

6. To allow the sublessor hereunder and his lessor to enter upon and into all parts of the premises for the purpose of inspection, with use of all means of ingress and egree for such purpose.

7. To deliver to sublessor in duplicate a full report of all ores and products removed from said premises on or before the 10th day of each calendar month during the lease term, beginning April 10, 1951. Sublessee at the first of each month pays $1.00 per ton to sublessor for all ore removed from premises.

8. Sublessee shall have the right to assign, transfer or convey his rights under the terms of this lease, providing all rights of the sublessor are protected and sublessee is responsible to sublessor of this lease to the final termination.

9. To comply with all laws of the State of California in working upon said premises.

IN WITNESS WHEREOF the Parties have set their hands on the date first above written.

OWL SPRINGS MANGANESE COMPANY, a Partnership
consisting of:
W. S. Hamdel
E. C. Horton and
Jack E. Horton

/s/ John W. Harrington
Sublessor
Jack E. Horton
E. C. Horton
Sublessees

State of California)
County of Los Angeles) ss

Before me, a Notary Public in and for the State of California, presiding at Montebello, Los Angeles County, personally appeared John W. Harrington, Jack E. Horton and E. C. Horton, who acknowledge that the foregoing instrument was signed of their own free will and accord and not under duress.

/s/ Ann McConn
March 6, 1951

Owl Springs Manganese Company
c/o Jack E. Horton
539 Borres St. Rt. 1
Encinitas, California

APPENDIX G 9

OWL SPRINGS MANGANESE CO., INC.

BALANCE SHEET
as of
March 31, 1951

ASSETS

Cash		719.37	
Inventory - Ore		1000.00	
Equipment	13893.05		
Less: Reserve for Depreciation	347.32	13545.73	
TOTAL ASSETS			15265.10

LIABILITIES AND CAPITAL

Accounts Payable			
J. E. Horton		263.11	
E. G. Horton		4158.65	
State Unemployment Insurance		249.18	
Social Security Tax		198.42	
Withholding Tax		738.80	
		5618.16	
Capital			
W. S. Hammel	12000.00		
J. E. Horton	6750.00		
E. G. Horton	6750.00		
	25500.00		
Less: Loss to date	15853.06	9646.94	
TOTAL LIABILITIES AND CAPITAL			15265.10

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

Profit and Loss Statement
January 1, 1951, to March 31, 1951

Income		
Board of Miners	712.00	
Refund of Fees	17.80	729.80
Expenses		
Wages	6871.81	
Social Security Taxes	288.62	
Other Licenses and Taxes	453.11	
Repairs & Maintenance	563.42	
Light, Heat, Power & Water	707.10	
Telephone & Telegraph	128.60	
Supplies	2902.85	
Food	1328.59	
Insurance	356.99	
Travel	1977.93	
Miscellaneous	656.52	
Depreciation	347.32	16582.86
NET LOSS TO DATE		15853.06

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX E~~ 11

Assay of two cars of ore sent to Geneva Steel Company May 18, 1951, ore selected so as not to go over 30% Mn. content from Ludlow property

ASSAY 1

Silica	25.21	26.69
Alumina	2.64	2.34
Lime	2.60	2.34
Magnesia	.64	.63
Sulphur	.045	.101
Iron	1.3	2.1
Phosphorus	.034	.026
Manganese	28.1	26.9

Assay of manganese ore from Ludlow taken from three foot open cut on foot wall

ASSAY 2

Manganese	29.40
Iron	1.90
Silica & Aluminum Oxide	33.12
Copper	trace
Lead	.04
Zinc	.35
Sulphur	.23
Phosphorous	.08

Owl Springs Glory Hole face of cross cut 20 feet below floor of Glory Hole

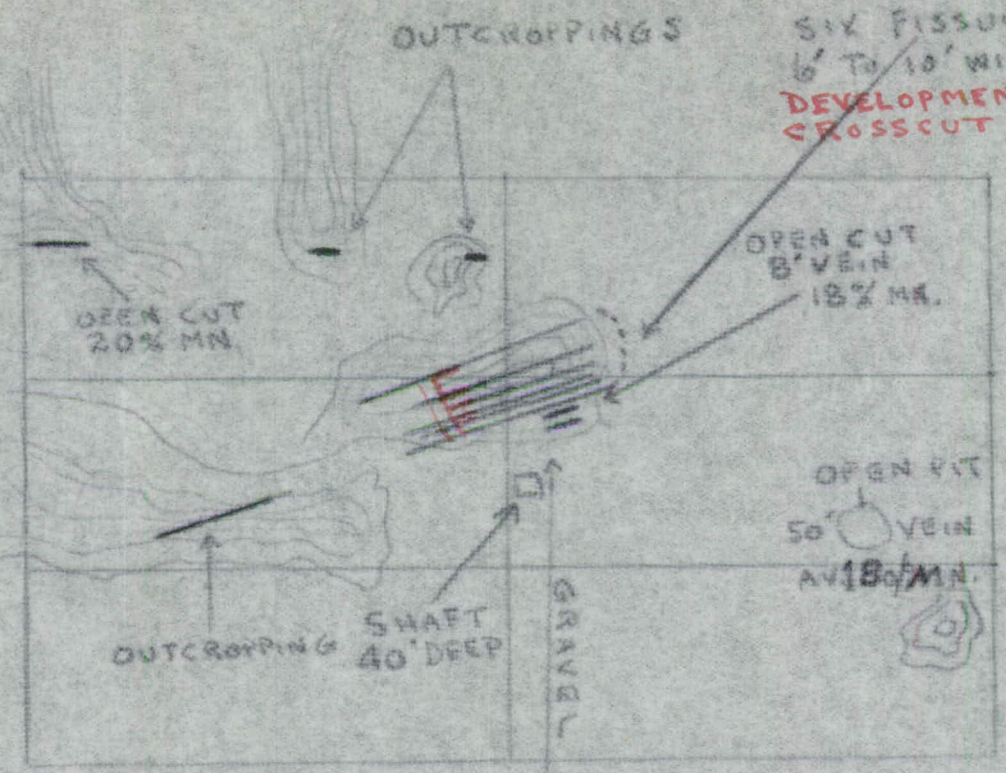
ASSAY 3

Manganese	36.11
Iron	2.00
Silica & Aluminum Oxide	10.00
Copper	trace
Lead	nil
Zinc	trace
Sulphur	.13
Phosphorous	.04

Stockpile of ore for Government at Ludlow

Manganese	44.35
Iron	1.41
Silica & Aluminum Oxide	7.48
Copper	nil
Lead	nil
Zinc	.19
Sulphur	.12
Phosphorous	.04

VAN DOREN ESTATE
MANGANESE CLAIMS
SECTION 10 TOWNSHIP
8 NORTH RANGE 6 E.
S. B. M.
COUNTY OF SAN
BERARDINO, CALIF.



3 MI
ROAD

A.T. & S.F. RR (MAIN LINE)

PISGAH SIDING

U.S. HIWAY 66

BARSTOW 40 MI ← → LUDLOW 10 MI

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

(7)

MF-202

(13)

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of San Bernardino, State of California, described in a certain Exploration Project Contract dated _____, 195__, between Oil Sunlamp Manufacture Company, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated March 27, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned. The foregoing is executed upon the understanding that it affects the undersigned only as set forth in Department of Interior Release dated May 14, 1951 by Secretary of Interior, Oscar L. Chapman.

Dated this 9th day of June, 1951

Estate of Charles Samuel Van Loren

By [signature] Administrator

U. S. GOVERNMENT PRINTING OFFICE 940768

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/1770X

Date received

Participation

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 29 1951
LANDON F. STROBEL
Executive Secretary

Date

Name and address of applicant

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California
Bay Reef Mine
San Bernardino Co. Cal.

FILL IN THIS BLOCK

Date of application 6-29-51

Estimated cost $15,000.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine Ludlow, California

Date of filing MF-100

DMA Docket Number, if available

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? Partnership

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

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Not applicable

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

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. Not applicable

7. If lessee, attach a copy of the lease and state if it is in good standing. Attached as appendices, 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. Attached as appendix

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)? $6,000.00 it is sufficient.

*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. See attached sheet

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

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

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

*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. See attached sheet.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. See attached sheet. 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. See attached sheet.

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

*16. History: See attached.

(*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: Approximately 1[illegible] tons

(*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.) See attached.

(*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? Manganese

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

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. See attached.

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. Attached

(*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. Attached

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.

Owl Springs Manganese Company
(Name of company)

By W. D. Hammel
(Signature of authorized official)

6-29-51
(Date)

President
(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

OWL SPRINGS MANGANESE CO., INC.

SAN BERNARDINO COUNTY
CALIFORNIA

BUSINESS OFFICE
539 HERMES ST.
ENCINITAS, CALIF.
TEL. ENC. 9486

WASHINGTON, D. C. OFFICE
4607 CONNECTICUT AVE.
TEL. ORDWAY 1165

(2)

#2 J. E. Horton
539 Hermes St.,
Encinitas, California

E. C. Horton
c/o Poe's Motel
Newberry, California

W. S. Hammel
4607 Connecticut Ave., N.W.
Washington, 8, D. C.

#4 Experience of operator: a. & b. The applicant and persons who manage the project are one and the same, inasmuch as E. C. Horton who manages the mine is one of the partners. E. C. Horton has had many years experience in mining operations including the management of silver-lead mining operations in Idaho and Montana. Mr. Horton has also had wide experience in the management and operations of mills for the concentration of various types of Ore.

#10 a. The Ludlow property consists of Lode Mining Claims situated in Section 10 Township 8 North Range 6 East San Bernardino Base and Meridian in the County of San Bernardino known and designated upon the records of said county as follows: Big Reef, Black Butte, Hangover, Sullivan, Little Bobby, End Line, Protector, Next Time, Willkie, Lava Cap, as recorded in the Office of the Recorder, San Bernardino County No. 183 Book 2744 page 131 Dated April 5, 1951.

#12 Three miles from Pisgah siding on the A.T. & S. F., R.R. Fair road from mine to siding, which is located approximately 14 miles east of Ludlow and 44 miles west of Barstow. Both towns on U. S. Highway #66. See map.

#13 Water must be hauled to mine. Is used only for drinking and washing. Supply near by is ample in all seasons.

#14 We have moved in mining equipment and a house trailer for the supervisor. All miners live in near by towns and travel to and from daily. In some cases we supply them transportation.

#15 The mine is located only four miles from the loading ramp at the railhead over a fair road. The siding of the A.T. & S.F. Railway is known as Pisgah Siding, and ore can be shipped to the East Coast via A.T. and S.F. Railway.

#16 Exact history unknown except that sizeable quantities of manganese were removed during World War I and it is assumed that operations were shut down in the interim period because of the very low market price of domestic manganese.

#18 There are numerous outcroppings of ore on the property which indicate up to 50,000 tons of ore are available in this area.

OWL SPRINGS MANGANESE CO., INC.

SAN BERNARDINO COUNTY

CALIFORNIA

BUSINESS OFFICE
300 HERALD BLDG.
HOUSTON, TEXAS
TEL. CH. 8629

WASHINGTON, D. C.
1007 CONNECTICUT AVE.
TEL. DUPONT 1160

J. L. Norton
Los Angeles Ft.,
Monrovia, California

E. C. Norton
c/o Joe's Motel
Barstow, California

T. L. Norton
1007 Connecticut Ave., N.W.
Washington, D. C.

4. Experience of operator: a. & b. The applicant and persons who manage the project are one and the same, Lawrence as J. C. Norton who manages the mine is one of the partners. J. C. Norton has had many years experience in mining operations including the management of mines-land mining operations in Idaho and Montana. J. C. Norton has also had wide experience in the management and operations of mills for the concentration of various types of ore.

5. The Owlsor property consists of two Mining Claims located in section 10 Township 8 North Range 6 West San Bernardino Base and Meridian in the County of San Bernardino. They are designated upon the records of said county as follows: Big Chief, Black Butte, Evergreen, Sullivan, Little Bobby, Red Lake, Independence, Last Time, Little, Love Cap, as recorded in the Office of the Recorder, San Bernardino County No. [illegible] page [illegible] April 8, 1951.

6. There is a [illegible] road on the A.T. & S. F., R.R. but [illegible] to mining, which is located approximately [illegible] west of Barstow. Both towns on U. S. Highway 466. [illegible].

7. Water must be hauled to mine. It is used only for drinking and washing. Supply has [illegible] in full [illegible].

8. We have moved in mining equipment and a house trailer for the superintendent. All equipment is here by truck and trailer to and from [illegible]. We have [illegible] to supply [illegible].

9. The mine is located only four miles from the Barstow [illegible] airline over a dirt road. The nearest of the A.T. & S.F. Railroad is known as Pilgrim Station, and ore can be shipped to the West Coast via A.T. and S.F. Railroad.

10. Great history wherein except that of mining [illegible] of manganese ore [illegible] Total for I and II [illegible] that operations were [illegible] in the intervening period because of the very low market price of domestic manganese.

11. There are numerous outcroppings of ore on the property which indicate up to 50,000 tons of ore are available in this area.

OWL SPRINGS MANGANESE CO., INC.
SAN BERNARDINO COUNTY
CALIFORNIA

BUSINESS OFFICE
539 HERMES ST.
ENCINITAS, CALIF.
TEL. ENC. 9406

WASHINGTON, D. C. OFFICE
4607 CONNECTICUT AVE.
TEL. ORDWAY 1165

The Exploration

#21 Make a cross cut on the property to expose six fissues and drift in on each. Estimated time required, three months.

#22 We have worked the property three months and have shipped approximately 100 tons of 27.5% and 25 tons of plus 40%. State of Calif., Department of Natural Resources have a good description of this property. In their bulletin #152 on manganese deposits in California, under Big Reef Deposit, are Black Butte, Hangover, Little Bobby, Sullivan and End Line. Pages 188, 189, 190, 191. We feel additional exploration will disclose substantial deposits of good commercial quality.

#23 The Requirements and Costs

a.	2 Miners @ $2.00 per hr	$360.	per mo	$720.00
	2 Muckers @ $1.85 per hr	288.	" "	576.00
	1 Cat driver @ $2.00 per hr	360.	" "	360.00
b.	Supervisor: one	500.	" "	500.00
	Labor Cost, one month			$2,156.00
c.	None			
d.	None			
e.	None			
f.	Skip loader	Per mo		$300.00
g.	2 Jack Hammers @ $45.00	" "		90.00
	1 Air Compressor	" "		395.00
	1 3 KW Power Plant	" "		90.00
	1 Cletrac Bulldozer	" "		650.00
	1 Dump truck	" "		150.00
	1 Station Wagon	" "		150.00
	1 House Trailer, office and living quarters for Supervisor per mo			150.00
	Equipment Rental, one month			$1,975.00
h.	Powder, caps & fuse	Per mo		$225.00
	Jack bits	" "		25.00
	Gasoline & Oil	" "		325.00
				$575.00
i.	Telephone & Telegraph	" "		50.00
		Total all Costs one month		$4,756.00

#24 It is anticipated to do one-third of the project per month at the approximate cost of $4,756.00 per month.

3 Months total $14,268.00

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX B (4)

MINE LEASE, WITH OPTION TO BUY

THIS AGREEMENT, Made the 27th day of March, 1951, pursuant to Order of Court in the matter of the estate of CHARLES SAMUEL VAN DOREN, deceased, made and entered in the Superior Court of the State of California in and for the County of San Bernardino on the 19th day of March, 1951,

B E T W E E N

Kenneth Van Doren
Administrator of the Estate
of Charles Samuel Van Doren,
Deceased,

Lessor,

A N D

John W. Harrington, of
2414 Torrance Boulevard
Torrance, California,

Lessee,

WITNESSETH: That,

For and in consideration of the rents, royalties, covenants and agreements hereinafter reserved and by the said Lessee to be paid, kept and performed, said Lessor has granted, demised and let, and by these presents does grant, demise and let, unto the said Lessee, for mining purposes only, all of these certain Lode Mining Claims situated in Section 10, Township 8 North, Range 6 East, San Bernardino Base and Meridian, in the County of San Bernardino, State of California, known and designated upon the records of said County as follows:

Big Reef
Black Butte
Hangover
Sullivan
Little Bobby
End Line
Protector
Next Time
Willkie
Lava Cap

TO HAVE AND TO HOLD, unto the said Lessee, for the term of five (5) years, commending at noon on the first day of February, 1951, and expiring at noon on the first day of February, 1956, unless sooner forfeited through the violation of any covenant hereinafter against the said Lessee reserved.

AND IN CONSIDERATION OF THE SAID DEMISE, the said Lessee does covenent and agree with said Lessor as follows:

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

APPENDIX B contd. 5

1. To pay to Lessor a royalty of One Dollar ($1.00) per ton of ore mined and removed, first payment to be made on April 10, 1951, and monthly payments to be made thereafter on the 10th day of each calendar month.

2. To pay to Lessor a minimum royalty of One Hundred Dollars ($100.00) per month, such payment to be made at the time for monthly payments hereinbefore specified.

3. To enter upon said mines and premises and work the same in good minerlike fashion, in manner necessary to good and economical mining, and subject to the approval of Lessor.

4. To allow said Lessor and his agents to enter upon and into all parts of said mines for the purpose of inspection and approval, with use of all means of ingress and egress for such purposes.

5. To deliver to Lessor, his agents or assigns, at the times hereinafter stated, a full report of all ore and products removed from each of said premises, and the dates of removal, the first such report to be made on April 10, 1951, and monthly reports to be made thereafter on the 10th day of each calendar month during the life of this lease.

6. To post notices of non-responsibility on the part of Lessor in proper places on each of said mining claims.

7. To conduct all operations in and on said mines and each of them in conformity with the laws of the State of California

8. To deliver up to said Lessor the said premises, with the appurtenances and all improvements, in good order and condition, and the mines in all points ready for immediate continued working (accidents not arising from negligence excepted), at the time of termination of this lease.

IT IS UNDERSTOOD AND AGREED that during the first two (2) months of the term of this Lease, the Lessee may make such tests and borings as may be necessary to establish mining procedure.

Lessee shall have the option to purchase said mining claims for the total sum of Twenty-five Thousand Dollars ($25,000.00) in cash, said option to be exercised on or before the first day of February, 1954, and to be communicated in writing to Lessor.

In the event Lessee fails to make any royalty payment herein specified within ten (10) days after the same becomes due, this lease shall terminate without notice and all of Lessee's rights in said mining claims shall thereupon cease.

Each and every clause and covenant of this agreement shall extend to the heirs, executors, administrators and assigns of all parties hereto.

IN WITNESS WHEREOF, said parties have hereunto set their hands the day and year first above written.

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX B contd.~~ 6

/s/ Kenneth Van Doren
Administrator of the Estate of
Charles Samuel Van Doren, deceased

/s/ John W. Harrington

STATE OF CALIFORNIA,)
County of Riverside.) SS.

On this 27th day of March, 1951, before me, Bertha F. Place, Notary Public in and for said County and State, personally appeared Kenneth Van Doren and John W. Harrington, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

/s/ Bertha F. Place
Notary Public in and for said
County and State

Owl Springs Manganese Company
c/o Jack L. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX~~ C (7)

Book 2731 Page 216
San Bernardino County

A G R E E M E N T

This Agreement made the 5th day of March, 1951, between JOHN W. HARRINGTON of 2414 Torrance Boulevard, Torrance, California, Sublessor, and Owl Springs Manganese Co., a partnership, Sublessee,

W I T N E S S E T H:

That for and in consideration of the rents, royalties, covenants and agreements hereinafter reserved and by the said sublessee to be paid, kept and performed said sublessor has granted, demised and let, and by these presents does grant, demise and let unto the said sublessee, for mining purposes only, that certain Lode Mining Claim situated in Section 10, Township 8, North, Range 6 East, San Bernardino Base and Meridian, in the County of San Bernardino, State of California, known and designated upon the records of said County as the following:

Big Reef
Black Butte
Hangover
Sullivan
Little Bobby
End Line
Protector
Next Time
Willkie
Lava Cap

to have and to hold unto the said sublessee for the term commencing March 1, 1951, and expiring at noon on the first day of February, 1956, unless sooner terminated through the violation of any covenant herein contained.

And, in consideration of the said demise, the said sublessee does covenant and agree with said sublessor as follows:

1. To pay to sublessor a royalty of $5.60 per ton for all of manganese ore assaying 40% manganese or over, payments to be made within ten days of payments to sublessee by the purchaser of said ore. Evidence of all shipments of ore is to be furnished sublessor by duplicate statements of the original shipping invoices.

2. To pay to sublessor a royalty of $8.60 per ton for all of that certain high grade ore (assaying 40% manganese or over) now stockpiled on the Willkie claim, said ore to be removed by sublessee and payment to be made therefor by sublessee in the sum of One Thousand Dollars ($1000.00) upon execution of this contract and remain until conclusion of lease.

3. To pay to sublessor a minimum royalty of Two Hundred ($200) Dollars per month. Whenever the amount of ore mined in any one month does not equal the minimum required according to the terms of this lease, payment must be made for the full minimum, but whenever the amount of ore mined in any month exceeds the minimum

required under this lease, then and in that case, any excess royalty paid from time to time over and above the royalty on ore actually mined shall apply to pay royalty on ore mined less than the minimum for any month or months during the life of this lease.

4. To pay to sublessor a royalty of ten percent (10%) of gross sales of manganese ore of less than forty percent (40%) quality. Should any ore lower than 40% grade be mined and not sold by sublessee, sublessee agrees to stockpile said ore and refrain from overloading said ore with other materials. In no event shall said 10% of gross sales of said ore amount to less than $1.50 per ton.

5. To enter upon said premises and work the same in good minerlike fashion and diligence shown at all times to obtain and market manganese.

6. To allow the sublessor hereunder and his lessor to enter upon and into all parts of the premises for the purpose of inspection, with use of all means of ingress and egree for such purpose.

7. To deliver to sublessor in duplicate a full report of all ores and products removed from said premises on or before the 10th day of each calendar month during the lease term, beginning April 10, 1951, Sublessee at the first of each month pays $1.00 per ton to sublessor for all ore removed from premises.

8. Sublessee shall have the right to assign, transfer or convey his rights under the terms of this lease, providing all rights of the sublessor are protected and sublessee is responsible to sublessor of this lease to the final termination.

9. To comply with all laws of the State of California in working upon said premises.

IN WITNESS WHEREOF the Parties have set their hands on the date first above written.

OWL SPRINGS MANGANESE COMPANY, a Partnership consisting of:
W. S. Hammel
E. C. Horton and
Jack E. Horton

/s/ John W. Harrington
Sublessor
Jack E. Horton
E. C. Horton
Sublessees

State of California)
County of Los Angeles) ss

Before me, a Notary Public in and for the State of California, presiding at Montebello, Los Angeles County, personally appeared John W. Harrington, Jack E. Horton and E. C. Horton, who acknowledge that the foregoing instrument was signed of their own free will and accord and not under duress.

/s/ Ann McConn
March 6, 1951

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX G~~ (9)

OWL SPRINGS MANGANESE CO, INC.

BALANCE SHEET
as of
March 31, 1951

ASSETS

Cash		719.37	
Inventory - Ore		1000.00	
Equipment	13893.05		
Less: Reserve for Depreciation	347.32	13545.73	
TOTAL ASSETS			15265.10

LIABILITIES AND CAPITAL

Accounts Payable			
J. E. Horton		263.11	
E. C. Horton		4158.65	
State Unemployment Insurance		249.18	
Social Security Tax		198.42	
Withholding Tax		738.80	
		5618.16	
Capital			
W. S. Hammel	12000.00		
J. E. Horton	6750.00		
E. C. Horton	6750.00		
	25500.00		
Less: Loss to date	15853.06	9646.94	
TOTAL LIABILITIES AND CAPITAL			15265.10

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX G~~ (10)

Profit and Loss Statement
January 1, 1951, to March 31, 1951

Income		
Board of Miners	712.00	
Refund of Fees	17.80	729.80
Expenses		
Wages	6871.81	
Social Security Taxes	288.62	
Other Licenses and Taxes	453.11	
Repairs & Maintenance	563.42	
Light, Heat, Power & Water	707.10	
Telephone & Telegraph	128.60	
Supplies	2902.85	
Food	1328.59	
Insurance	356.99	
Travel	1977.93	
Miscellaneous	656.52	
Depreciation	347.32	16582.86
NET LOSS TO DATE		15853.06

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX E~~ 11

Assay of two cars of ore sent to Geneva Steel Company May 18, 1951, ore selected so as not to go over 30% Mn. content from Ludlow property

ASSAY 1

Silica	25.21	26.69
Alumina	2.64	2.34
Lime	2.60	2.34
Magnesia	.64	.68
Sulphur	.045	.101
Iron	1.8	2.1
Phosphorus	.034	.026
Manganese	28.1	26.9

Assay of manganese ore from Ludlow taken from three foot open cut on foot wall

ASSAY 2

Manganese	29.40
Iron	1.90
Silica & Aluminum Oxide	33.12
Copper	trace
Lead	.04
Zinc	.35
Sulphur	.23
Phosphorous	.08

Owl Springs Glory Hole face of cross cut 20 feet below floor of Glory Hole

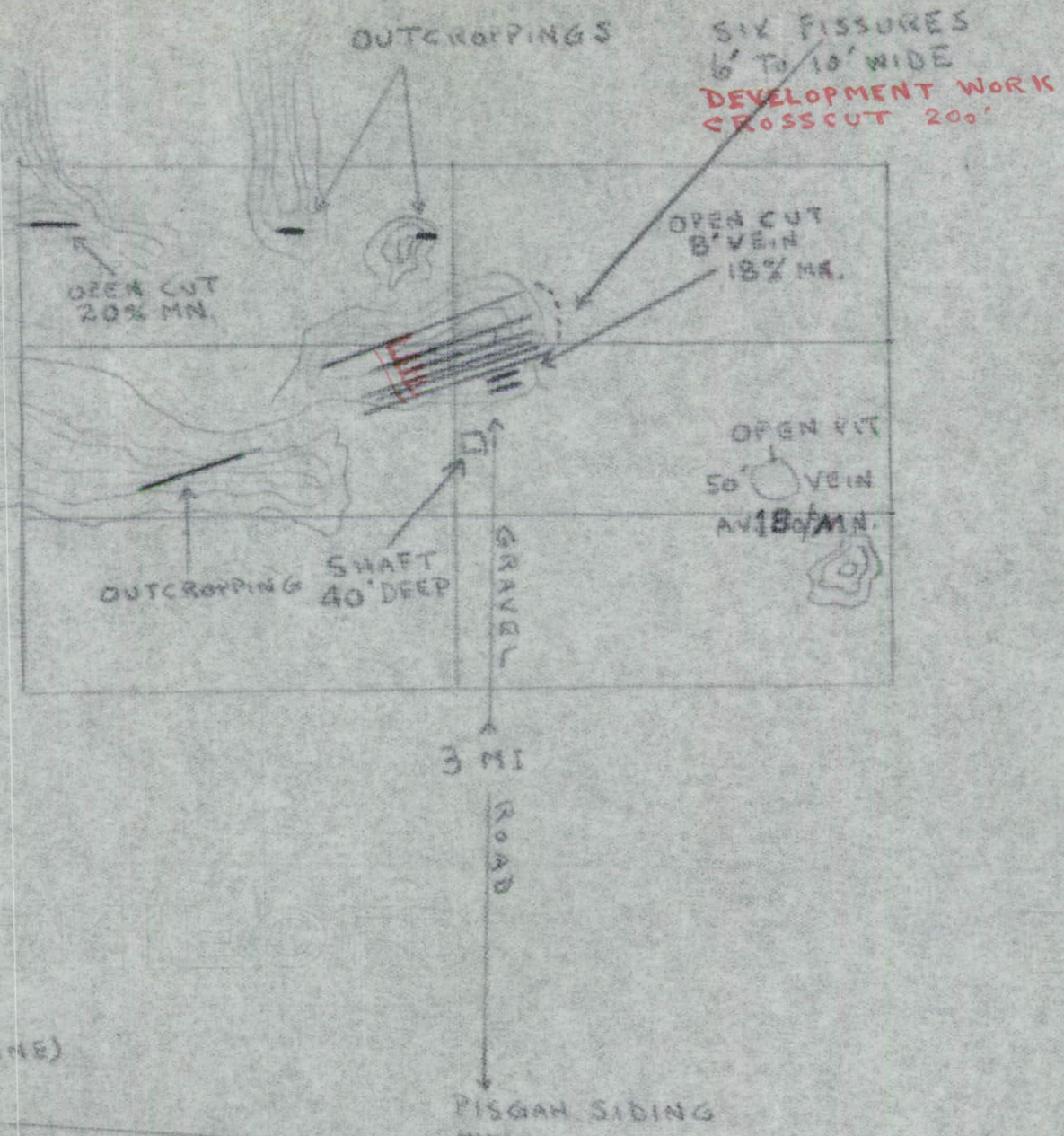
ASSAY 3

Manganese	36.11
Iron	2.00
Silica & Aluminum Oxide	10.00
Copper	trace
Lead	nil
Zinc	trace
Sulphur	.13
Phosphorous	.04

Stockpile of ore for Government at Ludlow

Manganese	44.35
Iron	1.41
Silica & Aluminum Oxide	7.48
Copper	nil
Lead	nil
Zinc	.19
Sulphur	.12
Phosphorous	.04

VAN DOREN ESTATE
MANGANESE CLAIMS
SECTION 10 TOWNSHIP
8 NORTH RANGE 6 E.
S. B. M.
COUNTY OF SAN
BERARDINO, CALIF.



Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

(1)

MF-202

13

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of San Bernardino, State of California, described in a certain Exploration Project Contract dated _____, 195__, between Owl Springs Manganese Company, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated March 27, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned. The foregoing is executed upon the understanding that it affects the undersigned only as set forth in Department of Interior Release dated May 14, 1951 by Secretary of Interior, Oscar L. Chapman.

Dated this 9th day of June, 1951

Estate of Charles Samuel Van Doren

By Kenneth Van Doren
Administrator

U. S. GOVERNMENT PRINTING OFFICE 940768

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. _____

Date received _____

Participation _____

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

Name and address of applicant

Date _____

FILL IN THIS BLOCK

Date of application 6-29-51

Estimated cost $15,000.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine Ludlow, California

Date of filing MF-100 _____

DMA Docket Number, if available _____

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? Partnership

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

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. Not applicable

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

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

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. Not applicable

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

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)? $6,000.00 it is sufficient.

*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. See attached.

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

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

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

*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. See attached.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. See attached. 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. See attached.

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

*16. History: See attached.

(*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: Approximately 125 tons.

(*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.) See attached.

(*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? Manganese

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

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. See attached.

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: Attached.

(*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. Attached.

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.

Owl Springs Manganese Company
(Name of company)

By W. D. Hammel
(Signature of authorized official)

6-29-51
(Date)

President
(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

(2)

OWL SPRINGS MANGANESE CO., INC.

SAN BERNARDINO COUNTY
CALIFORNIA

BUSINESS OFFICE
539 HERMES ST.
ENCINITAS, CALIF.
TEL. ENC. 9406

WASHINGTON, D. C. OFFICE
4607 CONNECTICUT AVE.
TEL. ORDWAY 1165

#2 J. E. Horton
539 Hermes St.,
Encinitas, California

E. C. Horton
c/o Poe's Motel
Newberry, California

W. S. Hammel
4607 Connecticut Ave., N.W.
Washington, 8, D. C.

#4 Experience of operator: a. & b. The applicant and persons who manage the project are one and the same, inasmuch as E. C. Horton who manages the mine is one of the partners. E. C. Horton has had many years experience in mining operations including the management of silver-lead mining operations in Idaho and Montana. Mr. Horton has also had wide experience in the management and operations of mills for the concentration of various types of Ore.

#10 a. The Ludlow property consists of Lode Mining Claims situated in Section 10 Township 8 North Range 6 East San Bernardino Base and Meridian in the County of San Bernardino known and designated upon the records of said county as follows: Big Reef, Black Butte, Hangover, Sullivan, Little Bobby, End Line, Protector, Next Time, Willkie, Lava Cap, as recorded in the Office of the Recorder, San Bernardino County No. 183 Book 2744 page 181 Dated April 5, 1951.

#12 Three miles from Pisgah siding on the A.T. & S. F., R.R. Fair road from mine to siding, which is located approximately 14 miles east of Ludlow and 41 miles west of Barstow. Both towns on U. S. Highway #66. See map.

#13 Water must be hauled to mine. Is used only for drinking and washing. Supply near by is ample in all seasons.

#14 We have moved in mining equipment and a house trailer for the supervisor. All miners live in near by towns and travel to and from daily. In some cases we supply them transportation.

#15 The mine is located only four miles from the loading ramp at the railhead over a fair road. The siding of the A.T. & S.F. Railway is known as Pisgah Siding, and ore can be shipped to the East Coast via A.T. and S.F. Railway.

#16 Exact history unknown except that sizeable quantities of manganese were removed during World War I and it is assumed that operations were shut down in the interim period because of the very low market price of domestic manganese.

#18 There are numerous outcroppings of ore on the property which indicate up to 50,000 tons of ore are available in this area.

(3)

OWL SPRINGS MANGANESE CO., INC.

SAN BERNARDINO COUNTY
CALIFORNIA

BUSINESS OFFICE
539 HERMES ST.
ENCINITAS, CALIF.
TEL. ENC. 9406

WASHINGTON, D. C. OFFICE
4607 CONNECTICUT AVE.
TEL. ORDWAY 1165

Th. xploration

#1 Make a cross cut on the property to expose six fissures and drift in on each. Estimated time required, three months.

#2 We have worked the property three months and have shipped approximately 100 tons of 47.5% and [illegible] tons of plus 40%. State of Calif., Department of Natural Resources have a good description of this property. In their bulletin #[illegible] on manganese deposits in California, under Big Reef Deposit, pro. Black Butte, Hangover, Little Bobby, Sullivan and Lime. Pages 18[illegible], 180, 190, 191. We feel additional exploration will disclose substantial deposits of good commercial quality.

The Requirements and Costs

a.	4 Miners @ [illegible].00 per hr	160.	per mo	$720.00
	Muckers @ 1.85 per hr	188.	" "	370.00
	1 Cat driver @ [illegible].00 per hr	160.	" "	360.00
b.	Supervisor: one	500.	" "	500.00
	Labor Cost, one month			$2,150.00
c.	None			
d.	None			
e.	None			
f.	Drag loader	Per mo		[illegible]
g.	4 Jack Hamm[illegible] @ [illegible].00	" "		90.00
	1 Air Compressor	" "		[illegible]
	1 [illegible] KW Power Plant	" "		90.00
	1 Cletrac Bulldozer	" "		610.00
	1 Dump truck	" "		150.00
	1 Station Wagon	" "		150.00
	1 House Trailer, office and living quarters for Supervisor per mo			150.00
	Equipment Rental, one month			$1,97[illegible].00
h.	Powder, caps & fuse	Per mo		[illegible].00
	Jack bits	" "		[illegible].00
	Gasoline & Oil	" "		[illegible].00
				$[illegible].00
i.	Telephone & Telegraph	" "		50.00
	total all Cost one Month			$4,75[illegible].00

#4 It is anticipated that one-third of the project per month at the approximate cost of $4,750.00 per month.

3 Months total $14,268.00

Owl Springs Manganese Company
c/o Jack A. Horton
539 Hermes St. Rt. 1
Encinitas, California

Appendix B cont'd. (4)

1. To pay to Lessor a royalty of One Dollar ($1.00) per ton of ore mined and removed, first payment to be made on April 10, 1951, and monthly payments to be made thereafter on the 10th day of each calendar month.

2. To pay to Lessor a minimum royalty of One Hundred Dollars ($100.00) per month, such payment to be made at the time for monthly payments hereinbefore specified.

3. To enter upon said mines and premises and work the same in good minerlike fashion, in manner necessary to good and economical mining, and subject to the approval of Lessor.

4. To allow said Lessor and his agents to enter upon and into all parts of said mines for the purpose of inspection and approval, with use of all means of ingress and egress for such purposes.

5. To deliver to Lessor, his agents or assigns, at the times hereinafter stated, a full report of all ore and products removed from each of said premises, and the dates of removal, the first such report to be made on April 10, 1951, and monthly reports to be made thereafter on the 10th day of each calendar month during the life of this lease.

6. To post notices of non-responsibility on the part of Lessor in proper places on each of said mining claims.

7. To conduct all operations in and on said mines and each of them in conformity with the laws of the State of California

8. To deliver up to said Lessor the said premises, with the appurtenances and all improvements, in good order and condition, and the mines in all points ready for immediate continued working (accidents not arising from negligence excepted), at the time of termination of this lease.

IT IS UNDERSTOOD AND AGREED that during the first two (2) months of the term of this lease, the Lessee may make such tests and borings as may be necessary to establish mining procedure.

Lessee shall have the option to purchase said mining claims for the total sum of Twenty-five Thousand Dollars ($25,000.00) in cash, said option to be exercised on or before the first day of February, 1954, and to be communicated in writing to Lessor.

In the event Lessee fails to make any royalty payment herein specified within ten (10) days after the same becomes due, this lease shall terminate without notice and all of Lessee's rights in said mining claims shall thereupon cease.

Each and every clause and covenant of this agreement shall extend to the heirs, executors, administrators and assigns of all parties hereto.

IN WITNESS WHEREOF, said parties have hereunto set their hands the day and year first above written.

Owl Springs Manganese Company
c/o Jack [illegible]. Norton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX B~~ (5)

MINING LEASE, WITH OPTION TO BUY

THIS AGREEMENT, made the 27th day of March, 1951, pursuant to Order of Court in the matter of the estate of CHARLES SAMUEL VAN DOREN, deceased, made and entered in the Superior Court of the State of California in and for the County of San Bernardino on the 19th day of March, 1951,

BETWEEN

Kenneth Van Doren
Administrator of the Estate
of Charles Samuel Van Doren,
Deceased,

Lessor,

AND

John W. Harrington, of
2414 Torrance Boulevard
Torrance, California,

Lessee,

WITNESSETH: That,

For and in consideration of the rents, royalties, covenants and agreements hereinafter reserved and by the said Lessee to be paid, kept and performed, said Lessor has granted, demised and let, and by these presents does grant, demise and let, unto the said Lessee, for mining purposes only, all of those certain Lode Mining Claims situated in Section 10, Township 8 North, Range 6 East, San Bernardino Base and Meridian, in the County of San Bernardino, State of California, known and designated upon the records of said County as follows:

Big Reef
Black Butte
Hangover
Sullivan
Little Bobby
End Line
Protector
Next Time
Willkie
Lava Cap

TO HAVE AND TO HOLD, unto the said Lessee, for the term of five (5) years, commencing at noon on the first day of February, 1951, and expiring at noon on the first day of February, 1956, unless sooner forfeited through the violation of any covenant hereinafter against the said Lessee reserved.

AND IN CONSIDERATION OF THE SAID RENTS, the said Lessee does covenant and agree with said Lessor as follows:

Owl Springs Manganese Company
c/o Jack E. Horton
539 Moraga St. Rt. 1
Encinitas, California

~~APPENDIX B~~ contd. (6)

/s/ Kenneth Van Doren
Administrator of the Estate of
Charles Samuel Van Doren, deceased

/s/ John W. Harrington

STATE OF CALIFORNIA,)
County of Riverside.) SS.

On this 27th day of March, 1951, before me, Bertha F. Place, Notary Public in and for said County and State, personally appeared Kenneth Van Doren and John W. Harrington, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

/s/ Bertha F. Place
Notary Public in and for said
County and State

Owl Springs Manganese Company
c/o Jack L. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX C~~ (7)

Book 2731 Page 216
San Bernardino County

A G R E E M E N T

This Agreement made the 5th day of March, 1951, between JOHN W. HARRINGTON of 2414 Torrance Boulevard, Torrance, California, Sublessor, and Owl Springs Manganese Co., a partnership, Sublessee,

W I T N E S S E T H:

That for and in consideration of the rents, royalties, covenants and agreements hereinafter reserved and by the said sublessee to be paid, kept and performed said sublessor has granted, demised and let, and by these presents does grant, demise and let unto the said sublessee, for mining purposes only, that certain Lode Mining Claim situated in Section 10, Township 8, North, Range 6 East, San Bernardino Base and Meridian, in the County of San Bernardino, State of California, known and designated upon the records of said County as the following:

Big Reef
Black Butte
Hangover
Sullivan
Little Bobby
End Line
Protector
Next Time
Willkie
Lava Cap

to have and to hold unto the said sublessee for the term commencing March 1, 1951, and expiring at noon on the first day of February, 1956, unless sooner terminated through the violation of any covenant herein contained.

And, in consideration of the said demise, the said sublessee does covenant and agree with said sublessor as follows:

1. To pay to sublessor a royalty of $5.60 per ton for all of manganese ore assaying 40% manganese or over, payments to be made within ten days of payments to sublessee by the purchaser of said ore. Evidence of all shipments of ore is to be furnished sublessor by duplicate statements of the original shipping invoices.

2. To pay to sublessor a royalty of $8.60 per ton for all of that certain high grade ore (assaying 40% manganese or over) now stockpiled on the Willkie claim, said ore to be removed by sublessee and payment to be made therefor by sublessee in the sum of One Thousand Dollars ($1000.00) upon execution of this contract and remain until conclusion of lease.

3. To pay to sublessor a minimum royalty of Two Hundred ($200) Dollars per month. Whenever the amount of ore mined in any one month does not equal the minimum required according to the terms of this lease, payment must be made for the full minimum, but whenever the amount of ore mined in any month exceeds the minimum

required under this lease, then and in that case, any excess royalty paid from time to time over and above the royalty on ore actually mined shall apply to pay royalty on ore mined less than the minimum for any month or months during the life of this lease.

4. To pay to sublessor a royalty of ten percent (10%) of gross sales of manganese ore of less than forty percent (40%) quality. Should any ore lower than 40% grade be mined and not sold by sublessee, sublessee agrees to stockpile said ore and refrain from overloading said ore with other materials. In no event shall said 10% of gross sales of said ore amount to less than $1.50 per ton.

5. To enter upon said premises and work the same in good minerlike fashion and diligence shown at all times to obtain and market manganese.

6. To allow the sublessor hereunder and his lessor to enter upon and into all parts of the premises for the purpose of inspection, with use of all means of ingress and egree for such purpose.

7. To deliver to sublessor in duplicate a full report of all ores and products removed from said premises on or before the 10th day of each calendar month during the lease term, beginning April 10, 1951. Sublessee at the first of each month pays $1.00 per ton to sublessor for all ore removed from premises.

8. Sublessee shall have the right to assign, transfer or convey his rights under the terms of this lease, providing all rights of the sublessor are protected and sublessee is responsible to sublessor of this lease to the final termination.

9. To comply with all laws of the State of California in working upon said premises.

IN WITNESS WHEREOF the Parties have set their hands on the date first above written.

OWL SPRINGS MANGANESE COMPANY, a Partnership consisting of:
W. S. Hamael
E. C. Horton and
Jack E. Horton

/s/ John W. Harrington
Sublessor
Jack E. Horton
E. C. Horton
Sublessees

State of California)
County of Los Angeles) ss

Before me, a Notary Public in and for the State of California, presiding at Montebello, Los Angeles County, personally appeared John W. Harrington, Jack E. Horton and E. C. Horton, who acknowledge that the foregoing instrument was signed of their own free will and accord and not under duress.

/s/ Ann McConn
March 6, 1951

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX G~~ (9)

OWL SPRINGS MANGANESE CO., INC.

BALANCE SHEET
as of
March 31, 1951

ASSETS

Cash		719.37	
Inventory - Ore		1000.00	
Equipment	13893.05		
Less: Reserve for Depreciation	347.32	13545.73	
TOTAL ASSETS			15265.10

LIABILITIES AND CAPITAL

Accounts Payable			
J. E. Horton		263.11	
E. C. Horton		4158.65	
State Unemployment Insurance		249.18	
Social Security Tax		194.42	
Withholding Tax		738.80	
		5615.16	
Capital			
W. S. Hammel	12000.00		
J. E. Horton	6750.00		
E. C. Horton	6750.00		
	25500.00		
Less: Loss to date	15853.06	9646.94	
TOTAL LIABILITIES AND CAPITAL			15265.10

Owl Springs Manganese Company
c/o Jack E. Horton
559 Hermes St. Rt. 1
Encinitas, California

~~APPENDIX G~~ (10)

Profit and Loss Statement
January 1, 1951, to March 31, 1951

Income		
Board of Minors	712.00	
Refund of Fees	17.80	729.80
Expenses		
Wages	6871.81	
Social Security Taxes	288.62	
Other Licenses and Taxes	453.11	
Repairs & Maintenance	563.42	
Light, Heat, Power & Water	707.10	
Telephone & Telegraph	128.60	
Supplies	2102.85	
Food	1328.59	
Insurance	356.99	
Travel	1977.93	
Miscellaneous	656.52	
Depreciation	347.32	16582.86
N T LOSS [illegible] APR		15853.06

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St., Rt. 1
Encinitas, California

APPENDIX B

11

Assay of two cars of ore sent to Geneva Steel Company May 18, 1951, ore selected so as not to go over 30% Mn. content from Ludlow property

ASSAY 1

Silica	25.21	26.69
Alumina	2.64	2.34
Lime	2.60	2.34
Magnesia	.64	.66
Sulphur	.045	.101
Iron	1.8	2.1
Phosphorus	.034	.026
Manganese	28.1	26.9

Assay of manganese ore from Ludlow taken from three foot open cut on foot wall

ASSAY 2

Manganese	29.40
Iron	1.90
Silica & Aluminum Oxide	33.12
Copper	trace
Lead	.04
Zinc	.35
Sulphur	.23
Phosphorous	.08

Owl Springs Glory Hole face of cross cut 20 feet below floor of Glory Hole

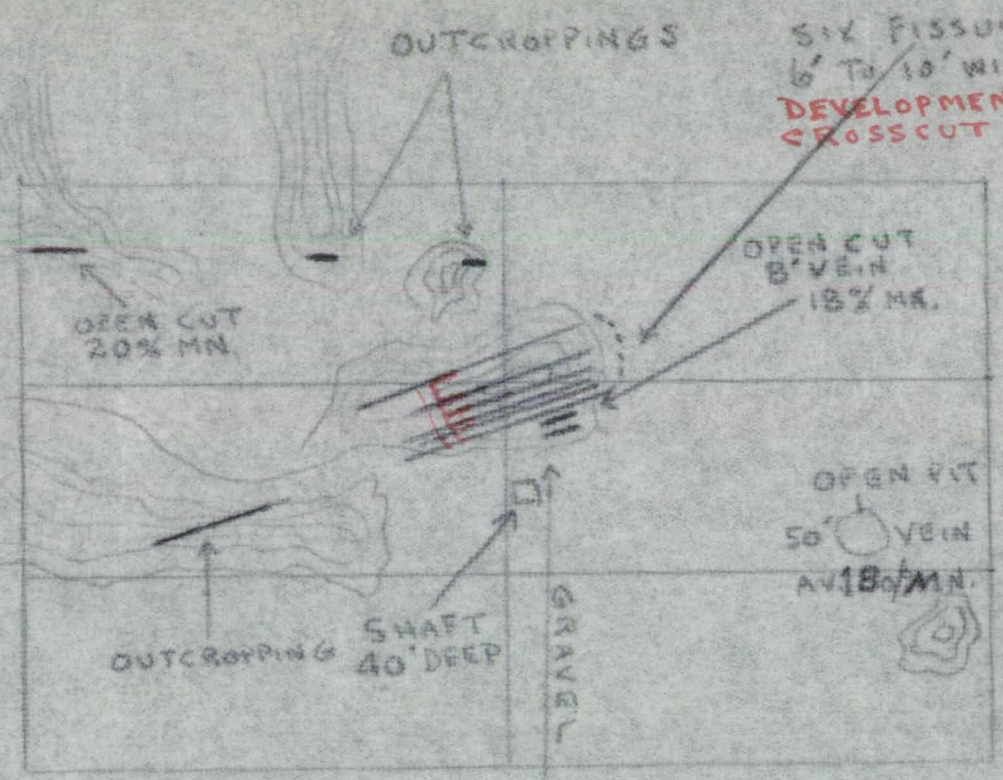
ASSAY 3

Manganese	36.11
Iron	2.00
Silica & Aluminum Oxide	10.00
Copper	trace
Lead	nil
Zinc	trace
Sulphur	.13
Phosphorous	.04

Stockpile of ore for Government at Ludlow

Manganese	44.35
Iron	1.41
Silica & Aluminum Oxide	7.48
Copper	nil
Lead	nil
Zinc	.19
Sulphur	.12
Phosphorous	.04

VAN DOREN ESTATE
MANGANESE CLAIMS
SECTION 10 TOWNSHIP
8 NORTH RANGE 6 E.
S. B. M.
COUNTY OF SAN
BERARDINO, CALIF.



3 MI

ROAD

A.T. & S.F. RR (MAIN LINE)

PISGAH SIDING

U.S. HIWAY 66

BARSTOW 40 MI ← → LUDLOW 10 MI

Owl Springs Manganese Company
c/o Jack E. Horton
539 Hermes St. Rt. 1
Encinitas, California

MF-202

(13)

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of San Bernardino, State of California, described in a certain Exploration Project Contract dated _____, 195__, between Oil Spring Corporation Lessor, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated March 27, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned. The foregoing is executed upon the understanding that it affects the undersigned only as set forth in Department of Interior Release dated May 14, 1951 by Secretary of Interior, Oscar L. Chapman.

Dated this 9th day of June, 1951

Estate of Charles Samuel Van Doren

By Kenneth Van Doren
Administrator

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