DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2180

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION PROJECT

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

Routing Slip

To:	Code 370 Indus.Minls.Br.	Date	10/23/51
To:	J. A. Barr, Jr	Date	10-24-51
To:	R. Waskey	Date	10.24-51
To:	CODE 600-RM. 4639	Date	1-22-52
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DO NOT DETACH

CONTROLLED DOCUMENT

JAN 31 1952

Mr. George F. Weis
1060 South Broadway
Los Angeles 15, California

Re: Docket No. DMEA 2180
(Manganese - Beryl)
Phurlap No. 1 Claim

Dear Mr. Weis:

Your application for exploration assistance on a manganese-beryl prospect south of Mohave in Kern County, California has been reviewed by the staff of the Defense Minerals Exploration Administration.

The information available to us does not indicate any possibility of disclosing minable reserves of manganese or beryl in significant quantities on your property. Your application, therefore, is denied.

The Defense Minerals Exploration Administration wishes to thank you for making this application, and regrets that we cannot approve the expenditure of United States Government funds for exploration on your property.

Sincerely yours,

S. D. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

LCHouk/FEJohnson/gad/bih
1/29/52
cc to: Admr's. Reading File
Field Team, Region III (2)
Docket File
Messrs. J. J. Norton - Room G-228 - GSA Bldg.
Dietrich - 3526
Houk

600

FILE COPY
SURNAME:

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

FEJohnson
See attached
Dermanec

JAN 31 1952

Mr. George F. Weis
1060 South Broadway
Los Angeles 15, California

Re: Docket No. DMEA 2180
(Manganese - Beryl)
Pharlap No. 1 Claim

Dear Mr. Weis:

Your application for exploration assistance on a manganese-beryl prospect south of Mohave in Kern County, California has been reviewed by the staff of the Defense Minerals Exploration Administration.

The information available to us does not indicate any possibility of disclosing minable reserves of manganese or beryl in significant quantities on your property. Your application, therefore, is denied.

The Defense Minerals Exploration Administration wishes to thank you for making this application, and regrets that we cannot approve the expenditure of United States Government funds for exploration on your property.

Sincerely yours,

C. O. Mittendorf (fw)

Acting Administrator
Defense Minerals Exploration
Administration

LGHouk/FEJohnson/gad/bih
1/29/52
cc to: Admr's. Reading File
Field Team, Region III (2)
Docket File 1-31- J.D.
Messrs. J. J. Norton - Room G-228 - GSA Bldg.
Dietrich - 3526
Houk

FILE COPY
SURNAME:

Houk
Hedges
Hayes

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C. 600

JAN 31 1952

Mr. George P. Weis
1060 South Broadway
Los Angeles 15, California

Subject: Docket No. DMEA-2180
Manganese - Beryl
Pharlap No. 1 Claim

Dear Mr. Weis:

Your application for exploration assistance on a manganese-beryl prospect south of Mohave in Kern County, California has been reviewed by the staff of the Defense Minerals Exploration Administration.

You have not demonstrated in your proposal, or by subsequent information, evidence showing the possibility of disclosing minable reserves of manganese or beryl in significant quantities. Your application is herewith denied.

The Defense Minerals Exploration Administration wishes to thank you for making this application, and regrets that we cannot approve the expenditure of United States Government funds for exploration on your property.

Sincerely yours,

C. U. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

LGHouk:gad
1/28/52

Copy to: Admin. Reading File
Field Team, Region III(2)
Docket File
Mr. J. J. Norton, Rm. G-228, GSA Bldg.
Mr. Dietrich, 3526
Mr. Houk

IN REPLY REFER TO:
G-MD-DHK

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

January 22, 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-2180

To: Non-Metallic Minerals Division, DMEA.
From: D. H. Kupfer, U. S. Geological Survey
Commodities: Manganese, beryl.
Applicant: G. F. Weiss.
Name of property: Pharlap No. 1 Claim.
Location of property: South of Mohave, Kern County, California.
Field team's recommendation: Denial

ACTION SUGGESTED: Follow field team's recommendations.

Donald H. Kupfer

D. H. Kupfer

IN REPLY REFER TO:
G-MD-DHK

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

January 22, 1952

Memorandum

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To: Non-Metallic Minerals Division, DMEA.
From: D. H. Kupfer, U. S. Geological Survey
Commodities: Manganese, beryl.
Applicant: G. F. Weiss.
Name of property: Pharlap No. 1 Claim.
Location of property: South of Mohave, Kern County, California.
Field team's recommendation: Denial

ACTION SUGGESTED: Follow field team's recommendations.

D. H. Kupfer

DHKupfer:jeh
G-1/22/52
copy to: Director's reading file 4212
Branch reading 4212
DMEA
Kupfer G-228 - GS Bldg.

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

January 11, 1952

Memorandum

To: Defense Minerals Exploration Administration, Interior Building, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-2180X, Beryl, Manganese - Rare Earths

Reference is made to your undated "Review of Application for Exploration Assistance" signed by Frank E. Johnson, Chairman, Coordinating Committee, received in this office on November 23.

A field examination has been made and four copies of a report, "DMEA-2180, Phar Lap No. 1 Claim, Kern County, California (Beryllium and Manganese)" by W. P. Irwin and C. D. Rinehart, Geologists, U. S. Geological Survey, dated January 4, 1952 are attached.

The examining geologists are in agreement with the more complete examination and findings of Richard H. Jahns' of the Geological Survey made in June 1943. Therefore they recommend that an exploration loan be denied the applicant owing to the lack of evidence of the presence of a possible economic occurrence of either beryllium or manganese on the Phar Lap claim. The docket is returned herewith.

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

Attachment

Copy to E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 16 1952

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

Reviewed by
DMEA OPERATING COMMITTEE
1-21-52
(date) JHB

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2180, Phar Lap No. 1 Claim

KERN COUNTY, CALIFORNIA

(Beryllium and Manganese)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 16 1952

W. P. Irwin, Geologist
C. D. Rinehart, Geologist
U. S. Geological Survey

January 4, 1952

The Defense Minerals Administration requested an examination of the Phar Lap No. 1 claim on the southeast side of Soledad Mountain about 5 miles south of Mohave, Kern County, California. The owner Mr. G. F. Weiss of Los Angeles, California, applied for Government participation in a $100,000 program to explore the claim for deposits of beryllium, rare earths and manganese. In response to the Administration's request, W.P. Irwin and C. D. Rinehart of the Geological Survey visited the claim on December 14, 1951, in the company of Mr. Weiss.

On arriving at the property, Mr. Weiss pointed to the spot where he reports to have found a small boulder of manganese-bearing float. He asserted that no other manganese-bearing material had been found, neither in place nor as float, and delineated the area he planned to strip and drill at a cost of $35,000 in search of more manganese-bearing material. Irwin and Rinehart searched the area, and are in agreement with Mr. Weiss that no other manganese-bearing material is exposed. The discovery boulder of float was largely consumed in an assay, according to Mr. Weiss, but a small bag of chips was produced as evidence of its former existence.

Beryl is reported by Mr. Weiss to occur in small pegmatite bodies that are exposed in a drift at the bottom of a 336 foot vertical shaft. The collar of the shaft is about 200 feet southeast of the point where the manganese-bearing float is reported to have been found. The shaft has not been used during the past ten years, and, as the ladder did not appear safe, Irwin and Rinehart declined to descend it. Mr. Weiss indicated a small pile of pegmatite material on the dump, which he said is representative of the pegmatite exposed by the drift. The pegmatite material was examined, but no beryl was found.

Mr. Weiss then produced Information Service press release of October 23, 1945, and Preliminary Report 3-187, both titled "Beryl Possibilites on the Phar Lap Claim, Kern County, California" by Richard H. Jahns of the Geological Survey. These reports are based on an examination by Jahns in June 1943. At that time the workings were accessible, and Jahns collected samples and prepared a cross-section of the deposit.

According to Jahns, the pegmatite bodies are small and scattered, and constitute 1 percent or less of the total rock entered by the drift. Furthermore, he doubts that beryl is present in the pegmatite, but if present it is in amounts well below the economic minimum. At that date, his opinion was that the showings did not warrant any additional work by either the Geological Survey or the Bureau of Mines. No furtherwork of an exploratory nature has been done on the deposit since the time of Jahns' examination.

Irwin and Rinehart are in agreement with the findings of Jahns' more complete examination. Therefore, they recommend that an exploration loan be denied the applicant owing to the lack of evidence of the presence of a possible economic occurrence of either beryllium or manganese on the Phar Lap claim.

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

Reviewed by
DMEA OPERATING COMMITTEE
1-21-52
(date)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2180, Phar Lap No. 1 Claim

KERN COUNTY, CALIFORNIA

(Beryllium and Manganese)

W. P. Irwin, Geologist
C. D. Rinehart, Geologist
U. S. Geological Survey

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 16 1952

January 4, 1952

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Irwin and Rinehart are in agreement with the findings of Jahns' more complete examination. Therefore, they recommend that an exploration loan be denied the applicant owing to the lack of evidence of the presence of a possible economic occurrence of either beryllium or manganese on the Phar Lap claim.

Mr. H. C. Miller, Executive Officer
DMA Field Team, Region III
1020 Flood Building
870 Market Street
San Francisco, California

[illegible]

[illegible] George F. Weiss

[illegible] DMA-2180X

[illegible] Beryl, Manganese - rare earths

[illegible] 100,000

Please expedite the [illegible] of this application [illegible] reference to the [illegible] in the [illegible]

Very truly yours,

Frank E. Johnson

Frank E. Johnson, Chairman
Coordinating Committee

Lowell B. Moon
[illegible]

T. P. Thayer
[illegible]

USGS [illegible]

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1951 NOV 23 AM 9:06

SAN FRANCISCO, CALIFORNIA

[illegible]
[illegible] of the Interior
[illegible] Mines and Geology
[illegible] 370

Dr. H. G. Miller, Executive Officer
[illegible] Hall Gen. Region III
[illegible] Hall Building
[illegible] Market Street
San Francisco, California

[illegible]

We attach herewith an application for [illegible]

[illegible]

Applicant George D. Nolan

Permit No. [illegible]

Commodity Fuel, Manganese & [illegible]

Amount $ 100,000

Please expedite the consideration of this application [illegible] reference to the private notice in the attached [illegible].

Very truly yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson, Chairman
Coordinating Committee

[illegible] Bureau of Mines

[illegible] Geological Survey

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1951 NOV 23 AM 9:06

SAN FRANCISCO, CALIFORNIA

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 2180

Commodity Beryl, Rare Earths & Manganese

Total Amount $200,000.00

Govt. Participation

1. Name and Address of Applicant George F. Weiss
1060 South Broadway Los Angeles 15 Calif.

2. Location of Property 5 miles S.SW of Mohave Calif.

3. Mineral or metal Beryl, Rare Earths, Manganese Is it listed in Section 9 of MO-5?
If not, application will be rejected. Yes.

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

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓ Yes

e) Is there an alternative and favorable project? Can any or all of these minerals make a 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? Have applicant supply evidence that the lease is in good standing and has been extended

*question numbers are those of MF-103

7. Are subordination agreements necessary? yes

a) MF-201? _____

b) MF-202 ✓

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

a) Available manpower ?

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

c) Accessibility (question 12)* yes

d) Water (question 13)* ?

e) Power (question 13)* _____

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)* Questionable

Is a field check needed on this point? yes

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

a) Is the project adequately described? no

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

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

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

If not, what part of it is? development for gold and silver

Is this part a worthwhile exploration project? ?

d) Are the cost estimates detailed? Not enough

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

e) Are the cost estimates reasonable? ?

f) Should more information be requested from applicant? yes

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

11. Exhibit B (question 23-d)*

a) Is it applicable? yes

b) If so, are sufficient data furnished? No If so, attach a draft.

c) Is a field check needed? yes

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

a) Is it applicable? yes

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

c) Are rents and charges reasonable? ?

d) Is a field check needed? yes

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

a) Are there sufficient data? yes

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

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

d) Are the proposed wages and salaries reasonable? Check locally

e) Is a field check needed? yes

14. Exhibit E (question 23-c)*

a) Is it applicable? yes

b) Sufficient data? no

c) Reasonable? ?

d) Field check needed? yes

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

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? On the beryl, rare earth and manganese exploration be segregated into two or more projects. Inform the applicant that credit cannot be given for work that was done prior to the ~~filing~~ filing of the proposal

Reviewed by: Hook

Date 11/8/57

97692

IN REPLY REFER TO:

G-MD-WRG

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

November 1, 1951

Memorandum

To: Robert Waskey, Defense Minerals Administration

From: W. R. Griffitts, U. S. Geological Survey

Subject: Application DMA-2180 from George F. Weis for exploration for beryl, rare earths and manganese in Kern County, California.

This application, DMA-2180, is for a maximum of $100,000 which the applicant wants to use in exploring and developing a manganese deposit and sinking a shaft at his Phar Lap gold prospect in the hope of finding a deposit of beryl, tungsten, or radioactive ores. It should be referred to the field team.

The applicant combines two distinct projects in this application--a trenching and stripping of a surficial manganese deposit and the deepening of a shaft on a gold vein to a total depth of 500 feet. It seems to me that these should be submitted as two applications and that the stripping of overburden from the manganese deposit constitutes development. I get an impression that the shaft prospect is largely for gold and silver.

The blind deepening of the shaft in the hopes of finding beryl-rich pegmatite sounds suspiciously like exploring a gold-silver vein at government expense. There is nothing to suggest the presence of rare earths or important industrial materials other than beryl in the shaft. The applicant's complete ignorance of beryllium deposits is shown by his referring to rock containing 0.68 percent BeO as low grade. This is a very high grade if it represents a large tonnage. The only reason I can see for considering the application is the high (0.06 to 0.68) BeO content of the pegmatite.

It is noted that there are two supervisors and engineering service listed, with a total monthly cost of $1,900 (MF 103 #23), which is excessive, and that the applicant wants the cost of his gold exploration, already done in the shaft, to be counted toward his 10 percent contribution to the project (MF 103 #9).

The application should be referred to the field team, who should pay especial attention to:

1. The beryl content of the pegmatite. This could be determined best by counting grains or making large-scale "Rosewall" analyses on the pegmatite. Collecting of samples for BeO determination if done should be carefully done because of the possible coarseness of grain of the pegmatite and the occurrence of beryl in pockets or definite zones.

2. The size of the beryl crystals. Grains too small to be recovered by hand cobbing naturally cannot be considered in grade estimation unless milling is anticipated--and milling for beryl has not yet proven satisfactory.

3. The position of the beryl in the pegmatite body, and the zoning of the pegmatite.

4. The size of the pegmatite body and of the beryl-bearing zones within it.

Three and four naturally could be determined only if the bottom of the shaft is accessible. If the shaft is inaccessible the abundance and size of the beryl crystals might be determined from dump material.

W. R. Griffitts

IN REPLY REFER TO:

G-MD-WRG

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

November 1, 1951

Memorandum

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W. R. Griffitts

copy to: DMA files

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1951 NOV 23 AM 9:07

SAN FRANCISCO, CALIFORNIA

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 2180

Date received 10-23-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 23 8 44 AM '51

George F. Weis
1060 South Broadway
Los Angeles 15, California

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application

Estimated cost (a) $100,000.00 (b) $ 65,000.00 (c) $ 35,000.00

Mineral or metal (a) Beryl, rare earth ores and Manganese. (b) Beryl and rare earth ores (c) Manganese

Percentage of Government participation

Location of mine Kern Co. California
95 miles from Los Angeles, Calif.,
5 miles South-Southwest of Mojave, Calif.,

Date of filing MF-100

DMA Docket Number, if available DMA ~~1066~~ 2180

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? Individual

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

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

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

*5. Are you the owner or the lessee of the property? Lessee with option to purchase.

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none

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

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

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

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

see attached for 4 through 24

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

Leo F. Ness
(Name of company)

By _____
(Signature of authorized official)

May 28, 1951
(Date)

_____
(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

THE APPLICANT

4. (a) Has made a study of geology as applied to mining, over the past fifteen years and has been actively connected with the exploration work of the mining property in question. Principal business activity has been in wholesale, exportation and importation of lumber, for self.

(b) Supervision ofexploration work will be under experienced, practical mining man not yet employed, working under the direction of mining engineer.

7. One copy of lease attached.

8. Property not being operated at present, no liabilities.

9. $5,000.00 cash. There has already been done 680 feet of exploration work in vertical shaft and drifts with total investment of $20,000.00 or more, all of which is of full value to carry on additional exploration and for which credit should be given as applicant's participation.

10. (a) and (B) Same.

Phar Lap claim, situate in Mojave Mining District, Kern Co., California - in NE 1/4 Sec. 8, T 10 N, R 12 W, S. B. B. & M. known and designated as Phar Lap Mining Claim located November 17, 1934, recorded November 21, 1934 in book 544 at Page 344 Official Records, and amended notice of location recorded June 20, 1935, Book 585, Page 92 Official Records, Kern County.

Phar Lap No. 1 Fractional Mining Claim located September 5, 1936, recorded September 8, 1936 in Book 654, Page 421 Official Records, Kern County, California, and

Phar Lap Extension Fractional Mining Claim located August 7, 1935, recorded August 15, 1935 in Book 558, Page 468 Official Records, Kern County, California.

11. As given in 10.

12. 5 miles South-Southwest of Mojave, Kern Co., California, 1 mile off U. S. 6 Highway and Southern Pacific Railroad, over good all year dirt and gravel road. Ore loading docks on railroad for carload shipments. Santa Fe Railroad serves Henderson, Nevada and the East from Mojave, California.

13. For exploration work and drinking water, water would be hauled from Actus, California, a distance of two miles where it comes from 700 foot well. For large scale mining and milling, water can be developed on the flat by drilling well and pumped not over one mile. Electric power line one mile or less away from the property. Exploration work would be done with liquid fuels.

14. No buildings now on property. Buildings, hoist frame, etc., were wrecked and stolen by vandals during the period between 1942 and 1946 when the property was closed down by law.

15. Manganese, even of low grade, could be shipped by rail to Henderson, Nevada to Government financed concentration plant where they hope to concentrate very low grade manganese ore from Artillery Peak, Nevada, deposit. Commercial grade manganese ore could be shipped by truck or rail to any destination. Beryllium ores could be shipped by rail or truck to any destination. Tungsten ores to Bishop, California or other point. Gold and Silver ores to Burton Bros. mill at Rosemond, Calif. (5 miles) or by rail to Selby, California.

16. (a) 336 ft. main vertical shaft 5' x 7' with manway and ladders, timbered and steel tied. 214 foot drift in granite and pegmatite at bottom of shaft. 80 foot drift in weathered Rhyolite at 200 foot level. 45 foot inclined shaft located about 90 feet from main shaft. All work suspended in 1942 because of law shutting down gold mining.

(b) Gold and Silver by Golden Queen Mining Co., located on same mountain (Soledad), approximately 1½ miles distance on same vein structures but about 800 feet higher, reportedly took out nineteen million dollars in gold and some silver between 1936 and 1942. Values in felsite and rhyolite fissures. They have no intrusive granite such as was encountered in Phar Lap workings at 325 foot depth. Most other properties in district have been worked for gold and silver. Recent reports are to effect certain radio active ores have been found in district.

(c) Manganese float (22.75% manganese) found on surface of Phar Lap claims. Mining engineer verbal recommendation that trenching across broken down vein structure be done with power scraper, which might lead to stripping of overburden over an area of approximately 150' x 2500'. With Beryllium assays, even though low(maximum .68% Beo) in pegmatite veins in first (top) eleven feet of intrusive granite, it is recommended that vertical shaft be extended down to total of 500 feet from the surface(which would be 175 feet in granite if it persists) with associated drifts for further exploration of pegmatite veins for higher grade Beryl, with possibly tungsten ores.

Attached are assay reports on: Manganese, Beryllium, Gold and Silver. Also analysis of weathered and leached zone rock. No private written reports to submit.

20. Manganese near surface. Beryllium and possibly tungsten ores in granite-pegmatite in depth. Gold and/or silver as may develop.

21. See (c) under 16.) Six months to one year.

22. Brecciated, highly silicified surface geology with 800 feet relief of Rhyolite flows. Phar Lap claims cover broken down vein structure with weathered and leached country rock for depth of 300 feet, with surface vein as ridge. Three veins or ledges cross deep vertical shaft (35° - 50° dip) from surface to 300 foot depth but have not been explored. Granite or quartz-monzanite intrusion at 325 foot depth and this is overlain by 25 feet of very fine grain highly silicified rock that has not been explored. Granite appears as apex with many steeply dipping fractures and numberous pegmatite veins. Geology at depth indicates inherited ore zones in contact with granite intrusion. Surface geology indicates good possibility of residual manganese deposit, possibly under light overburden.

23. <u>Underground work</u>

(a)	1 Hoist man -	8 hr. basis	$2.00 hr.
	2 Miners	8 hr. "	1.75 hr.
	2 muckers	8 hrs. "	1.50 hr.
	2 surface men	8 hrs. "	1.50 hr.

(b)	1 mine supervisor in direct charge -	$600.00 month.
	1 manager-supervisor(applicant)	$800.00 month.
	Engineering service	500.00 month.

Note: Estimated cost of 1000 ft. sinking and drifting of underground work, including all direct costs ...maximum... $40,000.00

Surface work

23. (a) and (b) included in following cost;

Drilling and stripping area for manganese, approximately 150' x 2500' by average 3½ ft. depth(approximately 50,000 cu. yds.) on contract basis - average .70 cents per yard $35,000.00

(c) Lagging and strengthening present shafts, cleaning out drifts, etc., 3,500.00

(d) Hoist frame, blacksmith shop, bunk house, etc., 5,000.00

(e) Hoist and power engine, cable, ore car, water and dump truck, pipe, ventilating fan, small tools, compressor and drills - complete 16,500.00

(f) Compressor and drills may be rented for not over $500.00 per month in which case this cost would be deducted from (e).

(g) Ore bucket, small tools, some cable, etc., now on hand in bottom of shaft - 000.00

(h) and (i) costs included in (a) and (b) page 2. 000.00

Maximum estimated total cost - $100,000.00

24. Estimated maximum time of completion of work 12 months or less, after project is approved.

LEWIS & WALKER
ASSAYERS - CHEMISTS
WEST ELEVENTH STREET
PHONE PRospect 0460
LOS ANGELES 15, CALIFORNIA

Aug.4,1950.

Geo.Wiese-

Certificate of Assays

Manganese	22.75	per cent
Silica	44.04	" "
Iron	3.10	" "
Phosphorus	.007	" "

Charge $ 8.00 Paid
E. Roach

Lewis and Walker
by Edward Roach
Edward Roach, Assayer.

ORE TESTING

Phone
VAndike 9328

ED. EISENHAUER, Jr.

ASSAYER -- METALLURGIST -- CHEMIST

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES, CALIF.

Sept 12/42

Mr.Geo.Weiss
Los Angeles,Calif.

Subject : Assay of Rock.

Beryllium Oxide(BeO) .39 %

Respectfully submitted
Ed. Eisenhauer Jr.
Assayer

Aug 1940 - Assay BeO .68 %

ORE TESTING

Phone
VAndike 9328

ED. EISENHAUER, Jr.

ASSAYER -- METALLURGIST -- CHEMIST

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES, CALIF.

Sept 5/42

Mr. Geo. Weiss
Los Angeles, Calif.

Subject : Assay of Rock.

Beryllium Oxide (BeO) .17 %

Respectfully submitted
Ed. Eisenhauer Jr.
Assayer

ORE TESTING
SAMPLING
and
SUPERVISION OF
ORE SHIPMENTS

Phone
VAndike 9328

ED. EISENHAUER, Jr.

ASSAYER -- METALLURGIST -- CHEMIST

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES 13, CALIF.

Sept 27/46

Mr.Geo.F.Weis
Los Angeles
Calif.

Subject : Assays of Rock.

Marked :	Beryllium Oxide(BeO)
# 1	.17 %
# 2	.06 %

Paid

Respectfully submitted

Ed. Eisenhauer Jr.

Ed.Eisenhauer,Jr

Assayer

TRinity 4791

FORM 18

ASSAY REPORT

SMITH-EMERY COMPANY

ASSAYERS AND METALLURGICAL ENGINEERS
920 SANTEE STREET
LOS ANGELES

AFFILIATES
JOHN HERMAN
R. A. PEREZ CO.

Sample Ore

Received 4-5-48

Submitted by George Weis,
1060 So. Broadway,
Los Angeles 15, Calif.

Gold, @ $ 35.00 *per oz.*
Silver, @ $ .905 *per oz.*

Date April 6, 1948

NUMBER	MARK	PER TON OF 2000 LBS. GOLD OUNCES	GOLD VALUE	SILVER OUNCES	SILVER VALUE	COPPER PER CENT	LEAD PER CENT	ZINC PER CENT
290922	Weis #1 Center Quartz Fahrite	0.02	$0.70	Nil	--			
290923	Weis #2 Margin Quartz	0.04	1.40	12.38	$11.20			
				12.60				

Respectfully submitted,

SMITH-EMERY CO.
ASSAYERS AND METALLURGISTS

Report on qualitative spectrographic analysis of sample submitted.

Specimen: Weathered, leached, oxidized zone rock.

Elements Present	Estimated Quantity
Aluminum	10%
Calcium	10%
Sodium	10%
Silicon	10%
Potassium	1 - 10%
Iron	.1- 1%
Barium	.1%
Magnesium	.1%
Manganese	.1%
Strontium	.1%
Titanium	.01 -.1%
Zirconium	.01%
Copper	.001 - .01%
Lead	.001%- .01%
Tin	.001%
Silver	.0001%

Estimated quantities given to closest power of ten.

Respectfully submitted,

APPLIED RESEARCH LABS.

By C. E. Harvey

N O T E

OPTION TO LEASE WITH OPTION TO PURCHASE, dated 1st day of March, 1946, has been renewed from time to time. The last renewal and re-instatement is dated March 23rd, 1951 and extends the Option to Lease with Option to Purchase to 2nd day of January, 1952.

LEASE WITH OPTION TO PURCHASE, the date of March 1, 1946 has been changed to January 2nd, 1952 and the date of March 1, 1949 has been changed to January 2nd, 1954.

Applicant, because of his prior investment in exploration work of the mining property and his close association with the work that has been done up to 1942, when the project was closed down because of restriction on gold properties, holds Option to Lease wi th Option to Purchase until January 2nd, 1952. Lease with Option to Purchase, automatically becomes effective January 2nd, 1952, in event applicant desires to exercise his option to lease by that date. Further extensions can be obtained if desired by applicant.

Geo. J. Hess

OPTION TO LEASE WITH OPTION TO PURCHASE

In consideration of his efforts here-to-fore put forth and in consideration of the faithful performance of the provisions, conditions and covenants here-in contained, the undersigned, as First Parties, here-by give to GEORGE F. WEIS, of Los Angeles, California, as SECOND PARTY, an option to enter into a Lease With Option To Purchase covering the here-in-after described mining claims situate in the Mojave Mining District, in the County of Kern, State of California, and more particularly described as follows:

> All of our interest in that certain Mining Claim situate in NE ¼, Sec. 8, T 10 N, R. 12 W, S. B. B. & M. known and designated as Phar Lap Mining Claim located November17, 1934, recorded November 21, 1934 in Book 544 at Page 344 Official Records, and amended notice of location recorded June 20,1935, Book 585, Page 92 Official Records, Kern County.
>
> Phar Lap No. 1 Fractional Mining Claim located September 5, 1936, recorded September 8, 1936 in Book 654, Page 421 Official Records, Kern County, California, and
>
> Phar Lap Extension Fractional Mining Claim located August 7, 1935, recorded August 15, 1935 in Book 558, Page 468 Official Records, Kern County, California.

This option may be exercised and closed at any time on or before September 1, 1946, upon the said Second Party depositing the sum of Five Thousand Dollars ($5,000.00) with the Security-First National Bank of Los Angeles, to be used as working capital in the exploration and development of said mining claims and for no other purpose.

Before the exercise of said option as here-in provided, said Second Party shall have the right to examine said mining claims, or any part there-of, and to make such core tests as he deems advisable but he shall not, or any one on his behalf, create any option which can or may become a lienable claim against said mining claims, or any part there-of. The tunnels and shafts as now exist must at all times be kept open and are not to be used for depositing material of any kind.

It is understood and agreed that this option is not to be recorded.

Upon the exercise of this option the undersigned will deliver to Second Party, or his nominee, the attached Lease with Option to Purchase, dated March 1, 1946, properly executed, for which this option is given.

IN WITNESS WHERE-OF, the parties here-to have here-un-to subscribed their names this the 1st day of March, 1946.

Edward J. Maxwell
Edward J. Maxwell

Gladys B. Maxwell
Gladys B. Maxwell

Gertrude S. Rutherford
Gertrude S. Rutherford, Heir to the Estate of John C. Rutherford.

Elsa M. O'Neil
Elsa M. O'Neil, Heir to the Estate of Thomas L. O'Neil.

Katharine P. Lynn
Katharine P. Lynn, Heir to the Estate of A. C. Lynn.

Winifred O. Boles, Heir to the Estate of M. H. Boles.

All of the above being Parties of the First Part.

George F. Weis
George F. Weis - Party of the Second Part.

Katherine J. Weis - Party of the Second Part.

LEASE WITH OPTION TO PURCHASE

This indenture, made this First Day of March, 1946, between Edward J. Maxwell - Gladys B. Maxwell and the Heirs of the Estates of John C. Rutherford - Thomas L. O'Neil - A. C. Lynn - M. H. Boles, the Lessors and George F. Weis and Katherine J. Weis, the Lessees.

Witnesseth: That the Lessors for and in consideration of the Royalties here-in-after reserved, and the covenants and agreements here-in-after expressed, and by the said Lessees to be kept and performed, has granted, lets and demised, and by these presents dões grant, lets and demise unto the Lessees the following described mining property, situate in the Mojave Mining District, in the County of Kern, State of California, and more particularly described as follows:

> All of our interest in that certain Mining Claims situate in NE 1/4 Sec. 8, T 10 N, R 12 W, S. B. B. & M. known and designated as Phar Lap Mining Claim located November 17, 1934, recorded November 21, 1934 in book 544 at Page 344 Official Records, and amended notice of location recorded June 20, 1935, Book 585, Page 92 Official Records, Kern County.
>
> Phar Lap No. 1 Fractional Mining Claim located September 5, 1936, recorded September 8, 1936 in Book 654, Page 421 Official Records, Kern County, California and
>
> Phar Lap Extension Fractional Mining Claim located August 8,1935, recorded August 15, 1935 in Book 558, Page 468 Official Records, Kern County, California.

to have and to hold said premises for the purpose of searching for, mining, extracting, reducing, treating and preparing ores, metals and minerals of every nature and description, and with the exclusive rights to possess and work the same for said purpose, for the term of Three (3) Years from the date hereof, unless sooner terminated as here-in-after provided.

In consideration of said lease the said Lessees does hereby covenant and agree with the Lessors as follows:-

(1) The Lessees agree to work said property in a manner necessary to good and economical mining, so as to take out the greatest amount of ore possible, with due regard to the safety, development and preservation fe of the same as a workable mine or mines, and to ship or mill all commercial ore with reasonable diligence after mining.

(2) The Lessees agree to work and mine said premises as afore-said continuously during the continuance of this lease, and an abandonment by said Lessees of the work upon said premises for a period of Sixty

(60) consecutive days, unless due to strikes, lockouts, riots, acts of God, the elements, accidents, rules and regulations of any Federal, State or other Government Agency, or other matters or conditions beyond the control of the Lessees, may be considered by the Lessors a violation of this lease and cause for forfeiture of the same.

(3) The Lessees agree to permit Lessors or their duly authorized agents at any and all times to enter upon and visit all parts of said leased premises for the purpose of taking assay samples and of observing whether the terms of this lease are being fully and faithfully complied with by the Lessees, and to furnish to the Lessors or their duly authorized agents, when requested full, true and accurate information not there-to-fore furnished with regard to the condition of said workings, or any part there-of or the quality or character of the minerals therein.

(4) The Lessees agree to keep proper books of account showing all disbursements of every kind and character made in connection with the development and operation of said premises, or any part thereof, and said books of account shall at all proper business hours be open to the examination of the Lessors, or their duly authorized agents, and the Lessors are hereby given full rights to make a copy of said books of account or any portion there-of.

(5) The Lessees agree that in the event the said property shall be placed upon production to pay to the Lessors on all ores shipped or treated a royalty of ten percent (10%) on all ores up to and including Twenty Dollars ($20.00) per ton, and Fifteen percent (15%) on ore above Twenty Dollars ($20.00) per ton, based upon the net mill return. Royalties are to be paid on or before the 20th day of the month following shipment or treatment of such ores and Lessees agree to render to the Lessors on or before the 20th day of each month, a written statement showing the number of shifts worked and the amount of ore shipped, milled, reduced, and treated and the payments of royalty there-for.

(6) The Lessees agree to work and mine the said premises as afore-said steadily and continuously during the term of this lease, with not less than forty (40) shifts of underground work per month. No excess above the required number of shifts in any one month to apply on any other month, and a failure on the part of said Lessees to work said premises with at least said number of shifts each calendar month, shall at the option of

the Lessors, and without demand or notice work a forfeiture of this lease. The word shift is taken and accepted to mean the labor of one man for one day of eight hours or such number of hours as may in the future become standard mining labor laws.

(7) It is understood and agreed that the Lessees shall be permitted to sub-lease any portion or all of the premises they may desire, without the consent, written or other-wise, of the Lessors provided, and so long as the conditions of this lease are complied with.

(8) The Lessees agree to keep said premises and every part there-of at all times free and clear of all mechanics or miners liens, encumbrances or liabilities, and at all times to keep posted in some conspicuour place upon the premises here-by leased a notice that said premises are leased to the Lessees and that the interest of the Lessors there-in shall not be subject to any lien for services, labor or material furnished upon or used in connection with this lease or said leased premises, said notice to be on behalf and in the name of the Lessors with the signature of the Lessees also attached.

(9) The Lessees agre to allow no person not in privity with the parties here-to to take or hold possession of said premises or any part thereof under any claim or pretense what-so-ever.

(10) The Lessees agree to assume all responsibility for and save the Lessors blameless for any and all accidents to themselves or any of their employees, sub-lessees, licensees, agents or visitors, upon the property of the Lessors as here-in leased and to forth-with post and at all times keep posted at the main workings upon the premises here-by leased, a conspicuous notice in the names and on the behalf of the Lessors, with the name of the Lessees also attached stating in substance that the premises are leased to the Lessees and that the Lessors will not be liable for damages on account of such accidents. The Lessors shall under no circumstances be liable to the Lessees or their agents, servants, employees, licensees, sub-lessees, associates, visitors or any other persons on account of such accident.

(11) It is expressly understood and agreed that the Lessors reserve the property, and right of property in and to all ores extracted or to be extracted from such premises, and in and to all ores not shipped within thirty (30) days after the expiration or other termination of this lease.

(12) It is expressly covenanted and agreed between the parties here-to that should any legal proceedings be instituted, such as an injunction, apex suits or any other proceedings what-soever, which would interfere with the possession and enjoyment of the said pr demised premises that the Lessees shall under no circumstances attempt to hold the Lessors liable in damages or otherwise to the Lessees or their assigns there-for on account of such disturbed and interrupted possession and enjoyment, nor for any other cause or claim of what-so-ever nature.

(13) It is understood and agreed that the cabin now on the property be reserved for the use of the Lessees and Lessees shall have the free use of any buildings and equipment now on the property.

(14) It is understood and agreed that the Lessees shall be permitted to assign this lease to their associates in the form of a partnership or corporation to be formed without the consent of the Lessors.

(15) All of the operations of the Lessees, sub-lessees or their assigns under this lease shall be conducted in a manner to fully comply in every respect with the laws of the State of California.

(16) The Lessees, sub-lessees or their assigns agree to carry a Workmans Compensation Policy, when required in a responsible company.

(17) This agreement shall be binding and enforceable by the respective successors, heirs, executors, administrators and assigns of the parties here-to. And in consideration of the fore-going lease and the expenditures to be made there-under and the well and faithful keeping of the covenants there-of, the said Lessees or their assigns shall have the right to purchase the said premises together with all improvements for the total sum of Seventy Five Thousand ($75,000.00) Dollars, on or before the First Day of March, 1949, all royalty payments to be deducted from said purchase price. Upon the tender of such payment the Lessors will execute, acknowledge and deliver a quit claim deed to the Lessees, or such person or company as the Lessees shall nominate conveying all rights of Lessors to the said premises.

The forfeiture, surrender, or termination of the above lease for any cause shall render the option to purchase void, and in this case the above mentioned payment shall not here-after be tendered. Upon termination of this lease, Lessees shall have the right within thirty (30) days from date of cancellation of lease to remove from the property all equipment placed thereon by Lessees, their assigns or their sub-lessees.

(18) The Lessees shall pay all taxes on its improvements and personal property and that portion of any license levied by a Government Agency, severance, production or other tax on ore produced or milled that their interest in recovery of value bears to the total recovery.

(19) The tunnels and shafts as now exist must at all times be kept open and are not to be used for depositing material of any kind.

This LEASE WITH OPTION TO PURCHASE is attached to Option To Lease With Option To Purchase given by the Lessors to George F. Weis and expiring on September 1, 1946 and this LEASE WITH OPTION TO PURCHASE shall NOT become effective and in force until said Option To Lease With Option To Purchase has been exercised and closed on or before September 1, 1946 in accordance with the terms there-in, even though said LEASE WITH OPTION TO PURCHASE is signed by both the Lessors and the Lessees.

Lessees:

George F. Weis

George F. Weis

Lessors:

Edward J. Maxwell

Edward J. Maxwell

Gladys B. Maxwell

Gladys B. Maxwell

Gertrude S. Rutherford

Gertrude S. Rutherford, Heir to the Estate of John C. Rutherford.

Elsa M. O'Neil

Elsa M. O'Neil, Heir to the Estate of Thomas L. O'Neil.

Katharine P. Lynn

Katharine P. Lynn, Heir to the Estate of A. O. Lynn.

Winifred O. Boles, Heir to the Estate of M. H. Boles.

FILE COPY
SURNAME:

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

370

Barr
Sigman

NOV 20 1951

Mr. George F. Weis
1060 South Broadway
Los Angeles 15, California

Subject: DMA-2180X - Beryl, Manganese, etc.

Dear Mr. Weis:

Your application has been referred to Mr. H. C. Miller, Executive Officer, DMA Field Team, Region III, 1020 Flood Building, 870 Market Street, San Francisco, California, for further information.

Sincerely yours,

11-20

(signed) FRANK E. JOHNSON

Acting Administrator

LGHOUK:mp
11-9-51
cc: Field Team, Region III (2)
Administrator's File
DMA Docket File
Mr. Barr

[illegible]

[illegible]

370

Mr. H. C. Miller, Executive Officer
DMA Field Team, Region III
1020 Flood Building
870 Market Street
San Francisco, California

[illegible]

Applicant: George F. Weiss

Docket No. DMA-2180X

Commodity: Beryl, Manganese - rare earths

Amount $: 100,000

Please expedite the [illegible] of this application [illegible] referred to the private owner as the [illegible] "[illegible]".

Very truly yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson, Chairman
Coordinating Committee

[illegible] of Mines

[illegible] Geological Survey

LOHOUE:ep
11-9-51
cc: Administrator's copy
Reports & Records, DMA Docket File

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : G. B. Holderer DATE: November 1, 1951

FROM : M. D. Crittenden, Jr.

SUBJECT: DMA 2180, George F. Wies.

The Geological Survey has no information about the manganese prospect concerned in this report. However, the fact that the surficial float assays less than 25 percent Mn suggests strongly that the area holds little promise as a source of manganese, and on that basis should be rejected. Inasmuch as a field examination has been requested for Be, it is suggested that the field team be asked to check the applicant's statement regarding manganese and reverse the above recommendation if the conditions prove to be more favorable than the available information suggests.

MDC

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

370

Mr. H. G. Miller, Executive Officer
DMA Field Team, Region III
1020 Flood Building
870 Market Street
San Francisco, California

Dear Sir:

We attach Memorandum of Application for Exploration Assistance and

Applicant: George R. Nolan

Project No. EY-2601

Commodity Sought: Manganese & rare earths

Amount $ 100,000

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

Very truly yours,

Frank E. Johnson

Frank E. Johnson, Chairman
Coordinating Committee

Copy: Mr. Max Ofsevit

Mr. Carnegie A. Stout

LGHOUK:mp
11-9-51
cc: Administrator's copy
Reports & Records, DMA Docket File

MACHINE TOOLS
and
KINDRED LINES

NAtional 2288

M. J. Byrns

502-4 CARRY BUILDING
WASHINGTON 5, D. C.

dmd-2180

Oct. 22, 1951

Defense Minerals Adm.
Rm. 4626 New Dept. of Interior Bldg.
Washington, D. C.

ATT: Mr. Robert E. Adams

Dear Mr. Adams:

In accordance with conversation over the telephone this morning with your office, I beg to hand you herewith application in quadruplicate for George F. Weis, 1060 S. Broadway, Los Angeles, 15, Calif., for your consideration.

I had up this subject with Mr. Strobel sometime ago but understand that he has been transferred to the West Coast.

We shall be pleased for your acknowledgement and advice as to about when the matter may be brought up for consideration and also when I may be of further service, will be pleased to hear from you.

This application of course was gotten up by Mr. Weis and I presume you may find the same complete, however, if further information is desired, please advise me.

Very truly yours,

M. J. BYRNS

MJB:AMB

OCT 23 8 44 AM '51
DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

Mr. M. J. Byrns
502-4 Carry Bldg.,
Washington 5, D. C.

Subject: DMA-2180
Re: Exploration Loan
Phar Lap *

My dear Mr. Byrns:

This will acknowledge receipt of your application dated October 22, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA- 2180 and referred to the Industrial Minerals Branch.

Kindly refer to DMA- 2180 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

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 2180

Date received 10-23-51

Participation

George F. Weis
1060 South Broadway
Los Angeles 15, California

Name and address of applicant

Date

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C. 23 4 AM '51

FILL IN THIS BLOCK

Date of application

Estimated cost (a) $100,000.00 (b) $ 65,000.00 (c) $ 35,000.00

Mineral or metal (a) Beryl, rare earth ores and Manganese. (b) Beryl and rare earth ores (c) Manganese

Percentage of Government participation

Location of mine Kern Co. California
95 miles from Los Angeles, Calif.,
5 miles South-Southwest of Mojave, Calif.,

Date of filing MF-100

DMA Docket Number, if available ~~DMA-1066~~ 2180

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? Individual

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

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

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

*5. Are you the owner or the lessee of the property? Lessee with option to purchase.

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

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

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

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

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

see attached for 4 through 24

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

Leo J. Hess
(Name of company)

By _____
(Signature of authorized official)

May 28 1951
(Date)

_____
(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

THE APPLICANT

4. (a) Has made a study of geology as applied to mining, over the past fifteen years and has been actively connected with the exploration work of the mining property in question. Principal business activity has been in wholesale, exportation and importation of lumber, for self.

(b) Supervision ofexploration work will be under experienced, practical mining man not yet employed, working under the direction of mining engineer.

7. One copy of lease attached.

8. Property not being operated at present, no liabilities.

9. $5,000.00 cash. There has already been done 680 feet of exploration work in vertical shaft and drifts with total investment of $20,000.00 or more, all of which is of full value to carry on additional exploration and for which credit should be given as applicant's participation.

10. (a) and (B) Same.

Phar Lap claim, situate in Mojave Mining District, Kern Co., California - in NE 1/4 Sec. 8, T 10 N, R 12 W, S. B. B. & M. known and designated as Phar Lap Mining Claim located November 17, 1934, recorded November 21, 1934 in book 544 at Page 344 Official Records, and amended notice of location recorded June 20, 1935, Book 585, Page 92 Official Records, Kern County.

Phar Lap No. 1 Fractional Mining Claim located September 5, 1936, recorded September 8, 1936 in Book 654, Page 421 Official Records, Kern County, California, and

Phar Lap Extension Fractional Mining Claim located August 7, 1935, recorded August 15, 1935 in Book 558, Page 468 Official Records, Kern County, California.

11. As given in 10.

12. 5 miles South-Southwest of Mojave, Kern Co., California, 1 mile off U. S. 6 Highway and Southern Pacific Railroad, over good all year dirt and gravel road. Ore loading docks on railroad for carload shipments. Santa Fe Railroad serves Henderson, Nevada and the East from Mojave, California.

13. For exploration work and drinking water, water would be hauled from Actus, California, a distance of two miles where it comes from 700 foot well. For large scale mining and milling, water can be developed on the flat by drilling well and pumped not over one mile. Electric power line one mile or less away from the property. Exploration work would be done with liquid fuels.

14. No buildings now on property. Buildings, hoist frame, etc., were wrecked and stolen by vandals during the period between 1942 and 1946 when the property was closed down by law.

15. Manganese, even of low grade, could be shipped by rail to Henderson, Nevada to Government financed concentration plant where they hope to concentrate very low grade manganese ore from Artillery Peak, Nevada, deposit. Commercial grade manganese ore could be shipped by truck or rail to any destination. Beryllium ores could be shipped by rail or truck to any destination. Tungsten ores to Bishop, California or other point. Gold and Silver ores to Burton Bros. mill at Rosemond, Calif. (5 miles) or by rail to Selby, California.

16. (a) 336 ft. main vertical shaft 5' x 7' with manway and ladders, timbered and steel tied. 214 foot drift in granite and pegmatite at bottom of shaft. 80 foot drift in weathered Rhyolite at 200 feet level. 45 foot inclined shaft located about 90 feet from main shaft. All work suspended in 1942 because of law shutting down gold mining.

(b) Gold and Silver by Golden Queen Mining Co., located on same mountain (Soledad), approximately 1½ miles distance on same vein structures but about 800 feet higher, reportedly took out nineteen million dollars in gold and some silver between 1936 and 1942. Values in fissite and rhyolite fissures. They have no intrusive granite such as was encountered in Phar Lap workings at 325 foot depth. Most other properties in district have been worked for gold and silver. Recent reports are to effect certain radio active ores have been found in district.

(c) Manganese float (22.75% manganese) found on surface of Phar Lap claims. Mining engineer verbal recommendation that trenching across broken down vein structure be done with power scraper, which might lead to stripping of overburden over an area of approximately 150' x 2500'. With Beryllium assays, even though low(maximum .68% Beo) in pegmatite veins in first (top) eleven feet of intrusive granite, it is recommended that vertical shaft be extended down to total of 500 feet from the surface(which would be 175 feet in granite if it persists) with associated drifts for further exploration of pegmatite veins for higher grade Beryl, with possibly tungsten ores.

Attached are assay reports on: Manganese, Beryllium, Gold and Silver. Also analysis of weathered and leached zone rock. No private written reports to submit.

20. Manganese near surface. Beryllium and possibly tungsten ores in granite-pegmatite in depth. Gold and/or silver as may develop.

21. See (c) under 16.) Six months to one year.

22. Brecciated, highly silicified surface geology with 800 feet relief of Rhyolite flows. Phar Lap claims cover broken down vein structure with weathered and leached country rock for depth of 300 feet, with surface vein as ridge. Three veins or ledges cross deep vertical shaft (35° - 50° dip) from surface to 300 foot depth but have not been explored. Granite or quartz-monzanite intrusion at 325 foot depth and this is overlain by 25 feet of very fine grain highly silicified rock that has not been explored. Granite appears as apex with many steeply dipping fractures and numberous pegmatite veins. Geology at depth indicates inherited ore zones in contact with granite intrusion. Surface geology indicates good possibility of residual manganese deposit, possibly under light overburden.

23. <u>Underground work</u>

(a)	1 Hoist man -	8 hr. basis		$2.00 hr.
	2 Miners	8 hr.	"	1.75 hr.
	2 muckers	8 hrs.	"	1.50 hr.
	2 surface men	8 hrs.	"	1.50 hr.

(b)	1 mine supervisor in direct charge -	$600.00 month.
	1 manager-supervisor(applicant)	$800.00 month.
	Engineering service	500.00 month.

Note: Estimated cost of 1000 ft. sinking and drifting of underground work, including all direct costs ...maximum... $40,000.00

23. <u>Surface work</u>

(a) and (b) included in following cost;

Drilling and stripping area for manganese, approximately 150' x 2500' by average 3½ ft. depth(approximately 50,000 cu. yds.) on contract basis - average .70 cents per yard $35,000.00

(c) Lagging and strengthening present shafts, cleaning out drifts, etc., 3,500.00

(d) Hoist frame, blacksmith shop, bunk house, etc., 5,000.00

(e) Hoist and power engine, cable, ore car, water and dump truck, pipe, ventilating fan, small tools, compressor and drills - complete 16,500.00

(f) Compressor and drills may be rented for not over $500.00 per month in which case this cost would be deducted from (e).

(g) Ore bucket, small tools, some cable, etc., now on hand in bottom of shaft - 000.00

(h) and (i) costs included in (a) and (b) page 2. 000.00

Maximum estimated total cost - $100,000.00

24. Estimated maximum time of completion of work 12 months or less, after project is approved.

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 2180

Date received 10-23-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C.
OCT 23 8 45 AM '51

George F. Weis
1060 South Broadway
Los Angeles 15, California

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application

Estimated cost (a) $100,000.00 (b) $ 65,000.00 (c) $ 35,000.00

Mineral or metal (a) Beryl, rare earth ores and Manganese. (b) Beryl and rare earth ores (c) Manganese

Percentage of Government participation

Location of mine Kern Co. California
95 miles from Los Angeles, Calif.,
5 miles South-Southwest of Mojave, Calif.,

Date of filing MF-100

DMA Docket Number, if available ~~DMA-1066~~ 2180

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? Individual

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

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

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

*5. Are you the owner or the lessee of the property? Lessee with option to purchase.

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none

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

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

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

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

see attached for 4 through 24

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

16—64067-1

THE PROPERTY

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

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State amount of power to be used, rate per hour or other cost, and source.

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

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

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	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Geo. F. Weis
(Name of company)

By _____
(Signature of authorized official)

May 28 1951
(Date)

_____
(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

THE APPLICANT

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	1 manager-supervisor(applicant)	$800.00 month.
	Engineering service	500.00 month.

Note: Estimated cost of 1000 ft. sinking and drifting of underground work, including all direct costs ...maximum... $40,000.00

23. **Surface work**

(a) and (b) included in following cost;

Drilling and stripping area for manganese, approximately 150' x 2500' by average 3½ ft. depth(approximately 50,000 cu. yds.) on contract basis - average .70 cents per yard $35,000.00

(c) Lagging and strengthening present shafts, cleaning out drifts, etc., 3,500.00

(d) Hoist frame, blacksmith shop, bunk house, etc., 5,000.00

(e) Hoist and power engine, cable, ore car, water and dump truck, pipe, ventilating fan, small tools, compressor and drills - complete 16,500.00

(f) Compressor and drills may be rented for not over $500.00 per month in which case this cost would be deducted from (e).

(g) Ore bucket, small tools, some cable, etc., now on hand in bottom of shaft - 000.00

(h) and (i) costs included in (a) and (b) page 2. 000.00

Maximum estimated total cost - $100,000.00

24. Estimated maximum time of completion of work 12 months or less, after project is approved.

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 2180

Date received 10-23-51

Participation

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D. C. OCT 23 8 45 AM '51

George F. Weis
1060 South Broadway
Los Angeles 15, California

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application

Estimated cost (a) $100,000.00 (b) $ 65,000.00 (c) $ 35,000.00

Mineral or metal (a) Beryl, rare earth ores and Manganese. (b) Beryl and rare earth ores (c) Manganese

Percentage of Government participation

Location of mine Kern Co. California 95 miles from Los Angeles, Calif., 5 miles South-Southwest of Mojave, Calif.,

Date of filing MF-100

DMA Docket Number, if available ~~DMA-1066~~ 2180

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? Individual

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

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

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

*5. Are you the owner or the lessee of the property? Lessee with option to purchase.

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none

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

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

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

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

see attached for 4 through 24

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

Leo J. Hess
(Name of company)

By _____
(Signature of authorized official)

May 28, 1951
(Date)

_____
(Title)

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

*Same as footnote on page 1.

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THE APPLICANT

4. (a) Has made a study of geology as applied to mining, over the past fifteen years and has been actively connected with the exploration work of the mining property in question. Principal business activity has been in wholesale, exportation and importation of lumber, for self.

(b) Supervision ofexploration work will be under experienced, practical mining man not yet employed, working under the direction of mining engineer.

7. One copy of lease attached.

8. Property not being operated at present, no liabilities.

9. $5,000.00 cash. There has already been done 680 feet of exploration work in vertical shaft and drifts with total investment of $20,000.00 or more, all of which is of full value to carry on additional exploration and for which credit should be given as applicant's participation.

10. (a) and (B) Same.

Phar Lap claim, situate in Mojave Mining District, Kern Co., California - in NE 1/4 Sec. 8, T 10 N, R 12 W, S. B. B. & M. known and designated as Phar Lap Mining Claim located November 17, 1934, recorded November 21, 1934 in book 544 at Page 344 Official Records, and amended notice of location recorded June 20, 1935, Book 585, Page 92 Official Records, Kern County.

Phar Lap No. 1 Fractional Mining Claim located September 5, 1936, recorded September 8, 1936 in Book 654, Page 421 Official Records, Kern County, California, and

Phar Lap Extension Fractional Mining Claim located August 7, 1935, recorded August 15, 1935 in Book 558, Page 468 Official Records, Kern County, California.

11. As given in 10.

12. 5 miles South-Southwest of Mojave, Kern Co., California, 1 mile off U. S. 6 Highway and Southern Pacific Railroad, over good all year dirt and gravel road. Ore loading docks on railroad for carload shipments. Santa Fe Railroad serves Henderson, Nevada and the East from Mojave, California.

13. For exploration work and drinking water, water would be hauled from Actus, California, a distance of two miles where it comes from 700 foot well. For large scale mining and milling, water can be developed on the flat by drilling well and pumped not over one mile. Electric power line one mile or less away from the property. Exploration work would be done with liquid fuels.

14. No buildings now on property. Buildings, hoist frame, etc., were wrecked and stolen by vandals during the period between 1942 and 1946 when the property was closed down by law.

15. Manganese, even of low grade, could be shipped by rail to Henderson, Nevada to Government financed concentration plant where they hope to concentrate very low grade manganese ore from Artillery Peak, Nevada, deposit. Commercial grade manganese ore could be shipped by truck or rail to any destination. Beryllium ores could be shipped by rail or truck to any destination. Tungsten ores to Bishop, California or other point. Gold and Silver ores to Burton Bros. mill at Rosemond, Calif. (5 miles) or by rail to Selby, California.

16. (a) 336 ft. main vertical shaft 5' x 7' with manway and ladders, timbered and steel tied. 214 foot drift in granite and pegmatite at bottom of shaft. 80 foot drift in weathered Rhyolite at 200 foot level. 45 foot inclined shaft located about 90 feet from main shaft. All work suspended in 1942 because of law shutting down gold mining.

(b) Gold and Silver by Golden Queen Mining Co., located on same mountain (Soledad), approximately 1½ miles distance on same vein structures but about 800 feet higher, reportedly took out nineteen million dollars in gold and some silver between 1936 and 1942. Values in felsite and rhyolite fissures. They have no intrusive granite such as was encountered in Phar Lap workings at 325 foot depth. Most other properties in district have been worked for gold and silver. Recent reports are to effect certain radio active ores have been found in district.

(c) Manganese float (22.75% manganese) found on surface of Phar Lap claims. Mining engineer verbal recommendation that trenching across broken down vein structure be done with power scraper, which might lead to stripping of overburden over an area of approximately 150' x 2500'. With Beryllium assays, even though low(maximum .68% Bee) in pegmatite veins in first (top) eleven feet of intrusive granite, it is recommended that vertical shaft be extended down to total of 500 feet from the surface(which would be 175 feet in granite if it persists) with associated drifts for further exploration of pegmatite veins for higher grade Beryl, with possibly tungsten ores.

Attached are assay reports on: Manganese, Beryllium, Gold and Silver. Also analysis of weathered and leached zone rock. No private written reports to submit.

20. Manganese near surface. Beryllium and possibly tungsten ores in granite-pegmatite in depth. Gold and/or silver as may develop.

21. See (c) under 16.) Six months to one year.

22. Brecciated, highly silicified surface geology with 800 feet relief of Rhyolite flows. Phar Lap claims cover broken down vein structure with weathered and leached country rock for depth of 300 feet, with surface vein as ridge. Three veins or ledges cross deep vertical shaft (35° - 50° dip) from surface to 300 foot depth but have not been explored. Granite or quartz-monzanite intrusion at 325 foot depth and this is overlain by 25 feet of very fine grain highly silicified rock that has not been explored. Granite appears as apex with many steeply dipping fractures and numberous pegmatite veins. Geology at depth indicates inherited ore zones in contact with granite intrusion. Surface geology indicates good possibility of residual manganese deposit, possibly under light overburden.

23. <u>Underground work</u>

(a)	1 Hoist man -	8 hr. basis		$2.00 hr.
	2 Miners	8 hr.	"	1.75 hr.
	2 muckers	8 hrs.	"	1.50 hr.
	2 surface men	8 hrs.	"	1.50 hr.

(b)	1 mine supervisor in direct charge -	$600.00 month.
	1 manager-supervisor(applicant)	$800.00 month.
	Engineering service	500.00 month.

Note: Estimated cost of 1000 ft. sinking and drifting of underground work, including all direct costs ...maximum... $40,000.00

Surface work

23. (a) and (b) included in following cost;

Drilling and stripping area for manganese, approximately 150' x 2500' by average 3½ ft. depth(approximately 50,000 cu. yds.) on contract basis - average .70 cents per yard $35,000.00

(c) Lagging and strengthening present shafts, cleaning out drifts, etc., 3,500.00

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