DMA Form 1

W03

DEFENSE MINERALS ADMINISTRATION

Control Slip Gerlach, Nevada

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2302

DO NOT DETACH THIS SLIP

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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

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DO NOT DETACH

CONTROLLED DOCUMENT

Mr. Irwin Geiger
231 Tower Building
Washington, D. C.

1 6 1953

Re: Docket No. DMEA 2302X, Tungsten
Mayfield and Reed
Stormy Day Mine
Pershing County, Nevada

Dear Mr. Geiger:

Reference is made to your telephone inquiry of January 15, 1953, concerning the above-noted application. As you were advised, the application was withdrawn on April 30, 1952, at the request of Messrs. Mayfield and Reed because of the limited time allowed under their lease.

The United States Government grants assistance to individuals for the exploration of strategic minerals on a participation loan basis under the rules and regulations set forth in the attached mineral order, DMEA Order-1. Certain sections of the order are explained more fully in the "Questions & Answers" booklet included herewith.

In the case of tungsten, the Goverment will participate to a maximum of 75 percent of the estimated exploration cost on approved projects, the money to be repaid from income on future production.

If you are interested in participating in this program, it is suggested that you complete in detail and return four of the attached copies of Form MF-103 to us.

Sincerely yours,

Sgd. W. S. MARTIN

W. S. Martin, Acting Chief
Iron and Ferro-Alloy Division

Enclosures
WSMartin/ls
1/15/53
CC: MAILS AND FILES
CODE 400
ADMN. READ. FILE

Code 400 file

400

APR 30 1952

Messrs. J. B. Mayfield and A. W. Reed
Mayfield and Reed
Gerlach, Nevada

Re: Docket No. DMEA 2003 - Tungsten
Stormy Day Mine
Pershing County, Nevada

Gentlemen:

Recently we were advised by Mr. E. C. Miller, Executive Officer, DMEA Field Team, Region III, that you wish to withdraw your application for exploration aid because of the limited time allowed under your lease.

We have withdrawn your application from our active file and now consider the matter closed.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

GCSelfridge:le 4/29/52

cc: Admn. Reading File
Docket
Field Team, Region 3
G. C. Selfridge
R. W. Geehan, USBM
D. M. Lemmon, USGS

January 15, 1953

Mr. Irwin Geiger
Attorney,
231 Tower Building

phoned to ask what me could tell him about this property.

Just gave him names and address of the applicants and said the application had been withdrawn because of limited time allowed under by lessee. Said we requested. Field exam. mentioned sale to MRC.

His phone is

National 8 - 8949

Told him DMPA (per Miss Fox) has no record of any application from them or for the property

400's
File

Mayfield and Reed
c/o John B. Mayfield
Gerlach, Nevada

Re: Docket DMEA 23021 - Tungsten
Stormy Day Mine
Pershing County, Nevada

Dear Mr. Mayfield:

Your application for assistance in exploring the above-noted property has been reviewed by the Iron and Ferro-Alloy Division of the Defense Minerals Exploration Administration and has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region 3, 1102 Flood Building, 870 Market Street, San Francisco 2, California.

The Regional Office will contact you at an early date in regard to the examination of your property. Any assistance that you can give the Field Team in the examination will be appreciated.

Sincerely yours,

C. O. Mittenderf

Acting Administrator
Defense Minerals Exploration
Administration

GLBrewer:la
2/5/52

Copy to: Admn. Rending File
Docket
R. W. Meehan, DMM
H. M. Lemmon, DMM
Field Team, Region 3
G. C. Aldridge
G. L. Brewer

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

IV 7A file

Feb 8, 1952

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

Dear Sir:

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

Applicant Mayfield and Reed (Albert W. Reed, Fullerton, Calif.) (John B. Mayfield, Gerlach, Nevada)

Docket No. DMFA 2302X

Commodity Tungsten

Amount $ $48,485

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

Sincerely yours,

C. O. Mittendorf

ACTING Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

J. H. Hedges

Member, Bureau of Mines

Z. P. Thayer

Member, Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2302 X

Commodity Tungsten

Total Amount $48,485

Govt. Participation $36,363.75

1. Name and Address of Applicant "Mayfield and Reed" (Albert W. Reed, Fullerton, California and John B. Mayfield, Gerlach, Nevada) Gerlach, Nevada

2. Location of Property Stormy Day Mine

Sec. 29; T 30 N; R 24 E

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

If not, application will be rejected.

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

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

a) Good Very Good

b) Poor

c) None

d) ~~[illegible]~~—needs field examination as to present status and correct method of exploration.

e) Is there an alternative and favorable project? Probably; depends on opinion of Field Team.
(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? Term not specified, but lease should be amended to run not less than three years.

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201?

b) MF-202? Yes

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

a) Available manpower Yes

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

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes, for mining only

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

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

Is a field check needed on this point? No

10. Exhibit A. (question 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? Yes

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Possibly, but a winze from the upper level, following the ore shoot, would seem to be a more logical method of exploration. ~~xxxxxxxxxxxxxxxxxxxxxxxxxxxx~~

The field team is requested to make a determination of the most logical method of exploration and, in company with the applicant, to amend the application to incorporate the findings of the field team.

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? Yes

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

e) Are the cost estimates reasonable? No

f) Should more information be requested from applicant? _____

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Only in part. We can allow only that necessary for this project.

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, but tabulations must be revised.

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

c) Are rents and charges reasonable? No

d) Is a field check needed? Yes

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

a) Are there sufficient data? Yes, but must be revised.

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

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

d) Are the proposed wages and salaries reasonable? Yes, but no higher

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? Yes

c) Reasonable? No. Should be 1/60th of present value, per month.

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? Yes. The property appears to be worth of an exploration project. The Field Team is requested to work out a suitable program of exploration following the results of their examination and to submit an amended application. MF-202 forms are to be filled out. Attention is called to the lack of a termination date on the applicants' "Contract to Purchase"--an amendment thereto, giving not less than a 3-year term, must be obtained as this is required in filling out the exploration contract.

Reviewed by: Q. L. Brewer

Date 2/4/52

Enclosures :
2 copies of - MF-100
MF-103
USGS Opinion
Map
Purchase Agreement
7 copies of - MF-202

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

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

Dear Sir:

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

Applicant Mayfield and Reed (Albert W. Reed, Fullerton, Calif.) (John B. Mayfield, Gerlach, Nevada)

Docket No. DMEA 2302X

Commodity Tungsten

Amount $ $48,485

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

Sincerely yours,

Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMSA 2302 X

Commodity Tungsten

Total Amount $40,485

Govt. Participation $36,363.75

1. Name and Address of Applicant "Mayfield and Reed" (Albert W. Reed, Fullerton, California and John B. Mayfield, Gerlach, Nevada) Gerlach, Nevada

2. Location of Property Stormy Day Mine

Sec. 29; T 30 N; R 24 E

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

If not, application will be rejected.

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

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

a) Good Very Good

b) Poor

c) None

d) ~~[illegible]~~--needs field examination as to present status and correct method of exploration.

e) Is there an alternative and favorable project? Probably; depends on opinion of Field Team.
(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? Term not specified, but lease should be amended to run not less than three years.

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? _____

b) MF-202? Yes

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

a) Available manpower Yes

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

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes, for mining only

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

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

Is a field check needed on this point? No

10. Exhibit A. (question 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? Yes

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Possibly, but a winze from the upper level, following the ore shoot, would seem to be a more logical method of exploration. ~~If not, what part of it is~~

The field team is requested to make a determination of the most logical method of exploration and, in company with the applicant, to amend the application to incorporate the findings of the field team.

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? Yes

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

e) Are the cost estimates reasonable? No

f) Should more information be requested from applicant?_____

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Only in part. We can allow only that necessary for this project.

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, but tabulations must be revised.

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

c) Are rents and charges reasonable? No

d) Is a field check needed? Yes

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

a) Are there sufficient data? Yes, but must be revised.

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

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

d) Are the proposed wages and salaries reasonable? Yes, but no higher

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? Yes

c) Reasonable? No. Should be 1/60th of present value, per month.

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? Yes. The property appears to be worth of an exploration project. The Field Team is requested to work out a suitable program of exploration following the results of their examination and to submit an amended application. MF-202 forms are to be filled out. Attention is called to the lack of a termination date on the applicants' "Contract to Purchase"--an amendment thereto, giving not less than a 3-year term, must be obtained as this is required in filling out the exploration contract.

Reviewed by: Q. L. Brewer

Date 2/4/52

Enclosures :
2 copies of - MF-100
MF-103
USGS Opinion
Map
Purchase Agreement
7 copies of - MF-202

George Selfridge, DMEA

January 3, 1952

D. M. Lemmon, U.S.G.S.

Exploration application $48,485
Mayfield and Reed
Gerlach, Nevada

DMEA 2302 - Tungsten

Property: Stormy Day mine
Sec. 29, T. 30 N., R. 24 E.
Selenite Range, Pershing County
Nevada

Proposal: The applicant proposes to extend an adit 300 feet to a granite-limestone contact and drift 300 feet on the contact. This adit will be 120 feet below the present workings which are in an ore zone containing about 50 tons per foot of depth averaging 0.75 percent of WO_3.

Geologic merit: This property was mapped by the Geological Survey in 1943, and has not been worked extensively since then. The maps show that the contact dips 65° to 75° west, and that granite is cutting the ore off to the south. The possibility of finding ore to the depth of the proposed adit is good. The work might discover as much as 6,000 tons of ore containing 0.7 percent of WO_3.

Past production of 1,029 tons containing 787 units of WO_3 was sold to an ore purchase depot of MRC in 1944. The operation was financed by a loan of $20,000 from R.F.C., a loan which probably was not repaid.

Conclusions and Recommendation: Although the property has some geologic merit, the proposal made is unsatisfactory because of excessive cost, lack of engineering to show precise position and elevation of new adit, and a demonstration that the proposed adit is the most economical method of exploration. It is suggested that the following be brought to the attention of the applicant:

(1) Why not do 1000 feet of preliminary core drilling (cost $7,500) to locate the contact at depth and sample the tactite? Five holes 200 feet deep, drilled from the surface, would test the contact at a depth of 125 feet below present workings. This work would outline precisely where underground workings should be placed.

(2) Is a new adit preferable to a winze sunk in ore?

(3) If the adit project be undertaken, provision should also be made for a raise to the present workings, in ore if possible.

(4) What is the elevation and precise location of the new tunnel portal with relation to the present workings, and what rocks are present in the first 80 feet of the new tunnel?

(5) What is being done with ore now mined from the upper workings, and what will be done with any ore discovered in lower workings?

(6) The past work done on the property shows that the contact dips 65° to 75° west between the surface and the present workings, not vertical as stated in the application.

(7) Estimated costs of the proposed project are excessive (about $80 a foot for drifting). About 1/3 of the total consists of housing. In estimating labor charges, it is stated that 16% and 5% are added for insurance and bookkeeping, although the actual amounts entered are only 1.6% and 0.5%.

Dwight M Lemmon

DMLemmon:gt

400

FILE COPY
SURNAME:

Martin
Mittendorf

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

JAN 16 1953 BW.

Mr. Irwin Geiger
231 Tower Building
Washington, D. C.

Re: Docket No. DMEA 2302X, Tungsten
Mayfield and Reed
Stormy Day Mine
Pershing County, Nevada

Dear Mr. Geiger:

Reference is made to your telephone inquiry of January 15, 1953, concerning the above-noted application. As you were advised, the application was withdrawn on April 30, 1952, at the request of Messrs. Mayfield and Reed because of the limited time allowed under their lease.

The United States Government grants assistance to individuals for the exploration of strategic minerals on a participation loan basis under the rules and regulations set forth in the attached mineral order, DMEA Order-1. Certain sections of the order are explained more fully in the "Questions & Answers" booklet included herewith. J. C. 1-16-53

In the case of tungsten, the Government will participate to a maximum of 75 percent of the estimated exploration cost on approved projects, the money to be repaid from income on future production.

If you are interested in participating in this program, it is suggested that you complete in detail and return four of the attached copies of Form MF-103 to us.

Sincerely yours,

Sgd/ W.S. MARTIN

W. S. Martin, Acting Chief
Iron and Ferro-Alloy Division

Enclosures
WSMartin/ls
1/15/53
CC: MAILS AND FILES
CODE 400
ADMN. READ. FILE

400

FILE COPY
SURNAME:

Selfridge

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

APR 30 1952

Messrs. J. B. Mayfield and A. W. Reed
Mayfield and Reed
Gerlach, Nevada

Re: Docket No. DMEA 2302X - Tungsten
Stormy Day Mine
Pershing County, Nevada

Gentlemen:

Recently we were advised by Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, that you wish to withdraw your application for exploration aid because of the limited time allowed under your lease.

We have withdrawn your application from our active file and now consider the matter closed.

Sincerely yours,

C. O. Mittendorf (fw) J.N. 4-30-52

Acting Administrator
Defense Minerals Exploration
Administration

GCSelfridge:ls 4/29/52

cc: Admn. Reading File
Docket
Field Team, Region 3
G. C. Selfridge
R. W. Geehan, USBM
D. M. Lemmon, USGS

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

Office of
Executive Officer
DMEA Field Team
Region III

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

April 22, 1952

Memorandum

To: C. O. Mittendorf, Acting Chairman, Operating Committee, Defense Minerals Exploration Administration, Interior Building, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2302X (Tungsten) - Mayfield and Reed, Stormy Day Mine, Pershing County, Nevada

Reference is made to your subject "Review of Application for Exploration Assistance", bearing no date, but received in this office on February 12, 1952.

Mr. A. C. Johnson, Chief, Mining Division, Bureau of Mines, Region III, writes that the Stormy Day Mine was visited by George H. Holmes, Jr. of his office on April 10, relative to the exploration loan on his property. When applicant was questioned about the length of time his lease had to run, he reported there is no assurance that a lease extending beyond September 1, 1952 can be obtained, so he requests that his application for exploration aid be withdrawn.

The docket and correspondence relating to it are 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
APR 28 1952

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

Brewer
Schlodge
Gerhom

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" (X):

Applicant Mayfield and Reed (John B. Mayfield, Gerlach, Nevada) (Albert W. Reed, Fullerton, Calif.)

Docket No. DMEA 2302X

Commodity Tungsten

Amount $ $48,485

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

Sincerely yours,

C D Mitkendorf

ACTING Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

J. W. Wedges
Member, Bureau of Mines

T. P. Thayer
Member, Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2302 X

Commodity Tungsten

Total Amount $48,485

Govt. Participation $36,363.75

1. Name and Address of Applicant "Mayfield and Reed" (Albert W. Reed, Fullerton, California and John B. Mayfield, Gerlach, Nevada) Gerlach, Nevada

2. Location of Property Stormy Day Mine

Sec. 29; T 30 N; R 24 E

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

If not, application will be rejected.

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

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

a) Good Very Good

b) Poor

c) None

d) ~~Don't know~~ --needs field examination as to present status and correct method of exploration.

e) Is there an alternative and favorable project? Probably; depends on opinion of Field Team.
(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? Term not specified, but lease should be amended to run not less than three years.

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? _____

b) MF-202? Yes

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

a) Available manpower Yes

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

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes, for mining only

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

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

Is a field check needed on this point? No

10. Exhibit A. (question 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? Yes

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Possibly, but a winze from the upper level, following the ore shoot, would seem to be a more logical method of exploration. ~~If not, what part of this?~~

The field team is requested to make a determination of the most logical method of exploration and, in company with the applicant, to amend the application to incorporate the findings of the field team.

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? Yes

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

e) Are the cost estimates reasonable? No

f) Should more information be requested from applicant?_____

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Only in part. We can allow only that necessary for this project.

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, but tabulations must be revised.

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

c) Are rents and charges reasonable? No

d) Is a field check needed? Yes

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

a) Are there sufficient data? Yes, but must be revised.

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

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

d) Are the proposed wages and salaries reasonable? Yes, but no higher

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? Yes

c) Reasonable? No. Should be 1/60th of present value, per month.

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? Yes. The property appears to be worthy of an exploration project. The Field Team is requested to work out a suitable program of exploration following the results of their examination and to submit an amended application. MF-202 forms are to be filled out. Attention is called to the lack of a termination date on the applicants' "Contract to Purchase"--an amendment thereto, giving not less than a 3-year term, must be obtained as this is required in filling out the exploration contract.

Reviewed by: Q. L. Brewer

Date 2/4/52

Enclosures :
2 copies of - MF-100
MF-103
USGS Opinion
Map
Purchase Agreement
7 copies of - MF-202

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

FEB 12 AM 8:47

SAN FRANCISCO, CALIFORNIA

George Selfridge, DMEA

January 3, 1952

D. M. Lemmon, U.S.G.S.

Exploration application $48,485
Mayfield and Reed
Gerlach, Nevada

DMEA 2302 - Tungsten

Property: Stormy Day mine
Sec. 29, T. 30 N., R. 24 E.
Selenite Range, Pershing County
Nevada

Proposal: The applicant proposes to extend an adit 300 feet to a granite-limestone contact and drift 300 feet on the contact. This adit will be 120 feet below the present workings which are in an ore zone containing about 50 tons per foot of depth averaging 0.75 percent of WO_3.

Geologic merit: This property was mapped by the Geological Survey in 1943, and has not been worked extensively since then. The maps show that the contact dips 65° to 75° west, and that granite is cutting the ore off to the south. The possibility of finding ore to the depth of the proposed adit is good. The work might discover as much as 6,000 tons of ore containing 0.7 percent of WO_3.

Past production of 1,029 tons containing 787 units of WO_3 was sold to an ore purchase depot of MRC in 1944. The operation was financed by a loan of $20,000 from R.F.C., a loan which probably was not repaid.

Conclusions and Recommendation: Although the property has some geologic merit, the proposal made is unsatisfactory because of excessive cost, lack of engineering to show precise position and elevation of new adit, and a demonstration that the proposed adit is the most economical method of exploration. It is suggested that the following be brought to the attention of the applicant:

(1) Why not do 1000 feet of preliminary core drilling (cost $7,500) to locate the contact at depth and sample the tactite? Five holes 200 feet deep, drilled from the surface, would test the contact at a depth of 125 feet below present workings. This work would outline precisely where underground workings should be placed.

(2) Is a new adit preferable to a winze sunk in ore?

(3) If the adit project be undertaken, provision should also be made for a raise to the present workings, in ore if possible.

(4) What is the elevation and precise location of the new tunnel portal with relation to the present workings, and what rocks are present in the first 80 feet of the new tunnel?

(5) What is being done with ore now mined from the upper workings, and what will be done with any ore discovered in lower workings?

(6) The past work done on the property shows that the contact dips 65° to 75° west between the surface and the present workings, not vertical as stated in the application.

(7) Estimated costs of the proposed project are excessive (about $80 a foot for drifting). About 1/3 of the total consists of housing. In estimating labor charges, it is stated that 16% and 5% are added for insurance and bookkeeping, although the actual amounts entered are only 1.6% and 0.5%.

Don Lemmon

DMLemmon:gt

Included: milled for Toulmin Novelty
[illegible]

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2302
Metal or Mineral
Date Received 12-26-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DEC 26 1951

MAYFIELD & REED
GERLACH, NEVADA

Name and address of applicant

Date Dec. 17, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

MAYFIELD & REED
(Name of company)

By A. W. Reed
A. W. Reed
(Signature of authorized official)

Dec. 17, 1951
(Date)

Partner
(Title)

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

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

SUPPLEMENT SHEET

to

FORM MF-103

Page #1
Item #1

-a- Property consists of 10 claims, 2 claims wide and 5 claims long, running the long way North to South.

Located in Hooker Mining Dist., County of Pershing, State ofNev. About 18 miles south of Gerlach, Nev.

Is on west side of Selenite Mt. range, which at this point extends upward at approx. 30 degrees.

The original owners, John Thrasher et el, after making several open cuts, drove 140 ft. tunnel, cross-cutting vain at point about 100 feet below earths surface. Drifting on contact, they opened 3 chimneys from which an approximate 1000 tons of Tungsten Ore averaging .75 of 1% WO3 content was shipped during W.War #2.

This applicant obtained ownership of property thru Purchase Contract, and re-opened mine in July 1951. Our plan was, and still is, to continue to mine and ship balance of ore above present level and at same time explore area for more ore. Consistant with this plan we, at our own expense, opened new cross-cut tunnel further down mountain, but after 80 feet are now convinced that we cannot effectively carry thru this exploration program with-out financial aid.

-b- Owner under Purchase Contract has agreed to sign "Subordination Instrument" when form is available.

-c- Sect. 29 NW Qtr., Township 30 N R24E unsurveyed portion. Southeast Qtr. Sect. 29 surveyed for water.

Note: Present mining and exploration operations on same property but sufficiently removed from each other to justify independent operation and classification.

Item #2

-a- Tungsten

-b- From present operations, too limited to be profitable, we learn the contact is averaging 5 ft. in thickness, sets almost perpendicular, and runs north to south. We expect to find the Lime beds going very deep since the U.S. Gypsum plant is operating at point several hundred feet below us.

Supplement Sheet to form MF-103

Page #2

Item #3

-a- From past operations we know we have a Contact on this property. We know it sets almost perpendicular and runs north and south.

We refer you to Map. Point "A" is portal of present crosscut tunnel...Point "B" is where cross-cut reaches contact. From "B" to "C" is Drift on Contact. Extending upward along B-C to surface is 100 feet....In this area is a surfaced man-way, and 3 Ore Chimneys.

At point "D" several hundred feet down the side of mountain, we have opened exploratory tunnel calculated to cross-cut Contact in 380 feet...and at point 120 feet below present cross-cut and Drift, or 220 feet below earths surface. When we reach Contact we plan to drift each way for 150 feet. We have completed the first 80 feet of said Cross-cut.

Our estimate cost for this exploration work is Forty Eight Thousand four hundred and eighty five dollars ($48,485.00)

-b- Working 3 shifts or 24 hrs. each day, we believe the Cross-Cut tunnel can be completed in 40 working days...The Drift in 30 working days (in Drift we will have 2 places to work and can use more men per each shift.

We expect to take approximately 20 working days to build the bunk houses, tool shed, cook house, etc.

We estimate the entire operation will take 90 working days, or approx. 120 days overall.

Item #4

-a- See attached Map.

Item #5

-a- There are no existing building facilities and fixtures which can effectively be used for this exploration work. We do have small tools shed and cabin at portal of present cross-cut but they are too far removed from Portal of new Cross-cut to be used.

Supplement sheet to Form MF-103

Page #3

Item #6

-a- We will need the following:

- Tool Shed.....$425.00
- 3 bunk houses 12' x 20'.....5040.00
- 1 Shower & Toilet rm.....3810.00
- Cess pool..... 700.00
- 500 gallon water tank..... 250.00
- Cook Hs & Din. Rm 20'x40'....4800.00
- Boiler Rm 1200.00

Total.....$16,225.00

(Kit. Accessories included in Cook Hs. cost)

All construction to be wood frame with wood floors and comp. roofs....Board & Batt exterior. No interior finish except in Kitchen. All bldgs. will be so constructed to provide for interior finish later on if so desired.

Item #7

-a- Operating equipment to be rented:

- 1	210 Cu. Ft. Air Compressor...$	300.00	per mo.
- 2	small air tuggers.....	120.00	" "
- 2	Jack Hammers or buzzies.....	120.00	" "
- 1	10 kw. power plant.....	100.00	" "
	Total.....	640.00	" "

or for 4 months is $2,560.00

-b- Operating equipment to be purchased:

- none

-c- Operating equipment to be furnished by Applicant:

- 1 Gasoline powered ventilation plant - Value ...$1,500.00
- 1 Dodge Dump truck (1941).....- Value.... 1,000.00
- 1 Ferguson Skip Loader.....- Value.... 3,000.00
- 1 Willy's Jeep.....- Value.... 1,000.00
- 1 Slusher..... ...- Value.... 200.00
- 1 Welding set.....- Value.... 200.00
- 1 Water Tank.....- Value.... 200.00
- 1 Loader (home made).....- Value.... 300.00
- 1 Dodge Pick-up or equivalant.....- Value.... 1,500.00

For use of all this equipment I estimate a total rental or depreciation of $1,000.00 - Exact amount to be determined later.

Supplement sheet to form MF-103

Page #4
Item #8

-a- We will need:

- 3 muckers...at $1.50 per Hr..for 2160 Hrs $ 3,240.00
  To work as laborers during construction of building facilities.
- 6 Miners....at $1.90 per Hr..for 3360 Hr. 6,384.00
- 2 Miners....at 1.90 per Hr..for 1440 Hr. 2,736.00
- 8 Carpenters at 2.70 per Hr..for 1280 Hr. 3,456.00
- 1 Supervisor at 3.00 per Hr..for 720 hr. 2,160.00

Total.....$17,976.00

- Add 16% for Gov. Deductions and Insurance 287.61
- Add 5% for Bookkeeper..... 89.88

Total Labor & Ins. on labor....$18,353.49
Included in this total but used in
Item #6 - Labor..... 3,233.89
Bal. Total this item....$15,119.60

Item #9

-a- Materials, Supplies, Engineering, Assaying

- Powder & Caps.....$ 2.40 per ft.
- Steel, Bits, Reapirs..... 2.10 per ft.
- Rails, Nails, Bolts, Ties.. 3.00 per ft.
- Note: When we reach hard rock we can eliminate much timbering but the money saved will be compensated for in additional cost of drilling, mucking, etc. thus:
- Timbering..... 7.30 per ft.
- Fuel for All Power Plants.. 7.20 per ft.
- Water & Air Pipe & Fittings 1.50 per ft.
- Office.supplies..... .10 per ft.
- Air Ventilation pipe..... .70 per ft.

Total. .....$ 24.30 per ft.

Total for this item $14,580.00

Item #10

-a- We can invest $10,000.00

-b- Yes. We expect to work ourselves, and we have some supplies.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2302

Date received 12-26-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DEC 26 1951

(J.B. Mayfield & A.W. Reed dba)
MAYFIELD & REED
GERLACH, NEV.

Name and address of applicant

Date Dec. 18, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Albert W. Reed Gerlach, Nev.	Partner	none	$15,000				$15,000
J. B. Mayfield Gerlach, Nev.	Partner	none	$25,000				$15,000
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Tungsten	None	none	none	300 S. to n
2. Quantity of product processed (specify unit of measure and type of process) (mill)	W03	none	none	none	Approx. 150 S.T. units.
3. Quantity and grade of product sold or shipped (specify units of measure) Short Ton Unit	W03	none	none	none	ditto

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. See separate sheet

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

SUPPLEMENT SHEET

TO

FORM MF-100

Applicant: Mayfield & Reed

Page #1

Item #1
-a- Tungsten (WO3)
-b- none

Item #2
-a- Shaft or Wenze 60' in depth.
-b- 180 Ft. of cross-cut and 200' of drifts
-c- none
-d- Have several open-cuts. Have one man-way to surface from 100 ft. level. Three chimneys.

Item #3
-a- 18 miles from Gerlach, Nev. (Western Pacific RR)
-b- Hooker Mining District
-c- Sect. 29NW Qtr., Township 30 N R24E unsurveyed portion. South-east Qtr. sect. 29 surveyed for water.
-D- Pershing County, State of Nevada

Item #4
-a- Property being operated by Mayfield & Reed under terms of agreement with original owner J.J. Thrasher.

Item #5
-a- Operated during World Ward #2 and since July of 1951.

Item #6
-a- Both J.B. Mayfield and A.W. Reed are General Building Contractors with many years experience in use of equipment and employers of men. In Tungsten mining for 1 year.

Item #7
-a- This property operated during W.W. #2, shipping approx. 1000 short tons of .75 of 1% WO3 (Tungsten). An estimated 2000 short tons of same type of ore is proven.
-b- Nearest producing property is approx. 20 miles south, and it is supposed to have produced upward of $1,000,000.00 worth of Tungsten - it is known as the MGL mine.
-c- None available.

Item #11
-a- We hope to find new supply of ore, and naturally hope to increase production accordingly.

Item #12
-a- No reports available. We have a good prospect of locating upward of over 100,000 tons of Tungsten.

-b- Not Placer. see schedule on Form 100.

Item #12

-a- 2½ miles from oiled road to property. 18 miles to nearest town where some living facilities are available and where the Western PacificR.R. runs.

Item #14
-a- Have spring on property which runs the year round....sufficient for all operations contemplated.

Item #15

-a- We have no Electric power and property site. However the U.S. Gypsum plant has line along oiled road, 2½ miles from property.....Could be brought to our property but cost prohibitive unless we had large mill.

Item $16

-a- See Form #MF-103

Item #17

-a- See Form #MF-103

ITEM #18

-a- no.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	2000 short tons	.75 of 1% WO3 cont.	$45.00	$36.00	$27.00
Indicated (probable)	800,000 S.ton	ditto	ditto	ditto	ditto

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

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.

Mayfield & Reed
(Name of company)

By J. W. Reed
(Signature of authorized official)

Dec. 18 1951
(Date)

Partner
(Title)

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

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

A G R E E M E N T

THIS AGREEMENT made and entered into this 31st day of July, 1951, by and between J. J. THRASHER, of Gerlach, Nevada, first party, and ALBERT W. REED, of Fullerton, California, and JOHN B. MAYFIELD, of Gerlach, Nevada, second parties,

W I T N E S S E T H:

THAT WHEREAS, party of the first part is the lawful owner of the following ten (10) mining claims, hereinafter referred to as "premises", which said premises are located and situate in the Hooker Mining District, County of Pershing, State of Nevada, and are named as follows, to-wit: STORMY DAY, STORMY DAY NO. 2, STORMY DAY NO. 3, STORMY DAY NO. 4, STORMY DAY NO. 5, STORMY DAY NO. 6, STORMY DAY NO. 7, STORMY DAY NO. 8, STORMY DAY NO. 9, and STORMY DAY NO. 10, which are fully described in the County records in the office of the County Recorder at Lovelock, Pershing County, Nevada, and which descriptions will, within thirty (30) days, be appended hereto and made a part hereof, and

WHEREAS, said second parties have made a thorough investigation of said premises and are desirous of purchasing same, and

WHEREAS, said first party has not made any representations regarding the merits of said premises to said second parties,

NOW, THEREFORE, it is hereby agreed between the parties hereto as follows:

1. That for and in consideration of the sum of $10.00, lawful money of the United States, paid by second parties to said first party, the receipt whereof is hereby acknowledged, said second parties hereby agree to purchase said hereinabove described premises from said first party for the sum of Sixty Thousand Dollars ($60,000.00), lawful money of the United States, under the following terms, covenants and conditions;

2. Said second parties agree to enter into and take possession of said premises on this day and date, and further agree to commence mining operations on said premises within five (5) days from the date hereof.

3. Said second parties agree to pay said first party a gross royalty of ten percent (10%) of the value of the ore, but under no circumstances shall they pay to said first party a lessor sum than Five Dollars ($5.00) per ton for such ore, until and unless said second parties reach a vertical or inclined depth of at least one hundred (100) feet. After reaching said depth of 100 feet said second parties may disregard said guarantee of at least $5.00 per ton, but they must continue to pay a gross royalty of 10% until full amount of $60,000.00 is paid to first party.

4. Said second parties agree not to assess any mining charges, hauling, trucking, or shipping charges, or any milling or fabricating or reduction charges of said ore against said first party, and it is distinctly understood by and between the parties hereto that the said first party is to receive 10% of the gross value of the ore or concentrates in the payment of said hereinabove referred to purchase price of $60,000.00.

5. Said second parties agree to operate and work said premises in a miner-like fashion, with the distinct understanding between the parties hereto that said second parties shall remove all waste rock and material from the underground workings.

6. Said second parties agree to work said premises steadily and continuously from the date of this agreement, with at least four (4) persons employed underground for at least eight (8) hours per day for each man, and for at least twenty-four (24) days each calendar month.

7. Said second parties further agree that for any ore they remove or extract from the overhead raises or stopes, they will remove a like amount of ore by weight or volume from either a vertical shaft, an inclined shaft, or a winze; but when said second parties have reached a depth of 100 feet by the sinking of a vertical shaft, an inclined shaft, or a winze, then and in that event they shall have the right to remove ore from any part of the premises, provided they also remove any waste rock or material from any underground workings, as hereinabove referred to.

8. Said second parties further agree to at all times fully comply with the provisions of the Workman's Compensation Laws of the State of Nevada, and said second parties also agree to carry liability insurance in the amount of at least $50,000.00, this latter provision for the purpose of protecting the property in the event that any trespassers should be injured or killed on the premises.

9. It is further agreed and understood that said second parties shall not permit any person or persons other than employees to go underground on said premises, but said first

party may enter and inspect said premises any time he so desires.

10. Said second parties further agree to hold said first party and also said premises free and clear from any and all liability of any nature, kind or description, including actions for damages for personal injuries, actions for wages, actions brought by material men, and any other actions, claims, demands, et cetera, of any kind, nature or description.

11. Said second parties further agree to comply with all Federal, State and County laws pertaining to mining and mining operations.

12. Said second parties further agree that this agreement shall not, nor shall any interest therein pass or be assigned on the part of said second parties, by bankruptcy, voluntary or involuntary, or by any operation of law, without the written consent of said first party.

13. That upon any violation of any covenant or covenants hereinbefore reserved and on the part of the second parties to be performed, this agreement shall at the option of the said first party, expire, and the same and said premises shall become forfeit to said first party; and said first party or his agent may thereupon enter upon said premises and dispossess all persons occupying the same, with or without process of law.

14. The ore or concentrates shall be sold at the prevailing market price immediately after said ore is mined, and said ore or concentrates must be sold within thirty (30) days after the mining thereof.

15. This agreement is not assignable without the written consent of the first party.

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

17. Said first party agrees that upon receiving the full and total sum of $60,000.00 from said second parties, as hereinabove specified and referred to, said first party agrees to execute quitclaim deeds to the premises and to deliver said deeds to said second parties.

18. Time is of the essence of this agreement.

19. For and in consideration of the sum of Ten Dollars ($10.00), lawful money of the United States, paid by the first party to the second parties, the receipt whereof is hereby acknowledged, it is agreed between said parties that after said second parties pay the full and total sum of Sixty Thousand Dollars ($60,000.00) to said first party, said first party shall be entitled to and shall receive from said second parties a ten percent (10%) interest in the net profits from the mining of said described premises, for the entire period of time and during the entire period of time that said second parties operate said premises.

20. It is further agreed between the parties hereto that in the event that said second parties should sell said hereinabove described premises to any third party or parties, after the full and total payment of $60,000.00 is made by said second parties to said first party, then and in that event said first party shall be entitled to ten percent (10%) of the full amount of said sale made by said second parties to any third party or parties.

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

J. J. Thrasher
First Party

Albert W. Reed

John B. Mayfield
Second Parties

STATE OF NEVADA,)
) ss.
COUNTY OF WASHOE,)

On this 31st day of July, 1951, personally appeared before me, a Notary Public in and for the said County of Washoe, J. J. THRASHER and ALBERT W. REED, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe the day and year in this certificate first above written.

Notary Public in and for the
County of Washoe, State of Nevada.

STATE OF NEVADA,)
) ss.
COUNTY OF WASHOE,)

On this 31st day of July, 1951, personally appeared before me, a Notary Public in and for the said County of Washoe, JOHN B. MAYFIELD, known to me to be the person described in and who executed the foregoing instrument, who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe the day and year in this certificate first above written.

Notary Public in and for the
County of Washoe, State of Nevada.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO :

DATE:

FROM :

SUBJECT:

FILE COPY
SURNAME:

Brewer
Selfridge
Geehan
Hedges

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

FEB 8 - 1952

Mayfield and Reed
c/o John B. Mayfield
Gerlach, Nevada

Re: Docket DMEA 2302X - Tungsten
Stormy Day Mine
Pershing County, Nevada

Dear Mr. Mayfield:

Your application for assistance in exploring the above-noted property has been reviewed by the Iron and Ferro-Alloy Division of the Defense Minerals Exploration Administration and has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region 3, 1102 Flood Building, 870 Market Street, San Francisco 2, California.

The Regional Office will contact you at an early date in regard to the examination of your property. Any assistance that you can give the Field Team in the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (fw) 2-8-52

Acting Administrator
Defense Minerals Exploration
Administration

QLBrewer:ls
2/5/52

Copy to: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team, Region 3
G. C. Selfridge
Q. L. Brewer

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

Brewer
Selfridge
Sehon

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

Feb 8, 1952

Dear Sir:

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

Applicant Mayfield and Reed (Albert W. Reed, Fullerton, Calif.) (John B. Mayfield, Gerlach, Nevada)

Docket No. DMEA 2302X

Commodity Tungsten

Amount $ $48,485

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

Sincerely yours,

C. O. Mittendorf

ACTING Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

J. H. Hedges
Member, Bureau of Mines

L P Thayer
Member, Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2302 X

Commodity Tungsten

Total Amount $48,485

Govt. Participation $36,363.75

1. Name and Address of Applicant "Mayfield and Reed" (Albert W. Reed, Fullerton, California and John B. Mayfield, Gerlach, Nevada) Gerlach, Nevada

2. Location of Property Stormy Day Mine

Sec. 29; T 30 N; R 24 E

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

If not, application will be rejected.

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

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

a) Good Very Good

b) Poor

c) None

d) ~~Doubtful~~—needs field examination as to present status and correct method of exploration.

e) Is there an alternative and favorable project? Probably; depends on opinion of Field Team.
(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? Term not specified, but lease should be amended to run not less than three years.

*question numbers are those of MF-103

7. Are subordination agreements necessary? **Yes**

a) MF-201? _____

b) MF-202? **Yes**

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

a) Available manpower **Yes**

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

c) Accessibility (question 12)* **Yes**

d) Water (question 13)* **Yes, for mining only**

e) Power (question 13)* **Yes**

Is a field check needed on any of these points? **No**

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

Is a field check needed on this point? **No**

10. Exhibit A. (question 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? **Yes**

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? **Possibly, but a winze from the upper level, following the ore shoot, would seem to be a more logical method of exploration.** ~~[illegible]~~

The field team is requested to make a determination of the most logical method of exploration and, in company with the applicant, to amend the application to incorporate the findings of the field team.

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? **Yes**

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

e) Are the cost estimates reasonable? **No**

f) Should more information be requested from applicant?_____

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

11. Exhibit B (question 23-d)*

a) Is it applicable? **Only in part. We can allow only that necessary for this project.**

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, but tabulations must be revised.**

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

c) Are rents and charges reasonable? **No**

d) Is a field check needed? **Yes**

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

a) Are there sufficient data? **Yes, but must be revised.**

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

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

d) Are the proposed wages and salaries reasonable? **Yes, but no higher**

e) Is a field check needed? **No**

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? Yes

c) Reasonable? No. Should be 1/60th of present value, per month.

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? Yes. The property appears to be worthy of an exploration project. The Field Team is requested to work out a suitable program of exploration following the results of their examination and to submit an amended application. MF-202 forms are to be filled out. Attention is called to the lack of a termination date on the applicants' "Contract to Purchase"--an amendment thereto, giving not less than a 3-year term, must be obtained as this is required in filling out the exploration contract.

Reviewed by: Q. L. Brewer

Date 2/4/52

Enclosures :
2 copies of - MF-100
MF-103
USGS Opinion
Map
Purchase Agreement
7 copies of - MF-202

Field team Referral

written 2/4

PB

copy

Gerlach, Nev.
Dec. 18, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

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

Gentlemen:

We have a Tungsten property in Northern Nevada which we believe to be very promising.

We need financial assistance for further exploration work, and to the best of our ability have prepared Form MF-100 and Form MF-103, to-gether with copies of "Purchase Agreement", and maps, all of which we submit herewith as per instructions.

Thanking you for your attention, we are,

Respectfully yours,

MAYFIELD & REED
Gerlach, Nevada

By A.W. Reed
A.W. Reed

encl: 4 copies of Form MF-100
4 copies of Form MF-103
4 Maps
4 copies of Purchase Agreement
4 copies of supplement sheets to Form MF-100
4 copies of supplement sheets to Form MF-103

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2302
Metal or Mineral
Date Received 12-26-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

MAYFIELD & REED
GERLACH, NEVADA

Name and address of applicant

Date Dec. 17, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

---------- (Name of company)

By ---------- (Signature of authorized official)

---------- (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.

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

SUPPLEMENT SHEET

to

FORM MF-103

Page #1
Item #1

-a- Property consists of 10 claims, 2 claims wide and 5 claims long, running the long way North to South.

Located in Hooker Mining Dist., County of Pershing, State ofNev. About 18 miles south of Gerlach, Nev.

Is on west side of Selenite Mt. range, which at this point extends upward at approx. 30 degrees.

The original owners, John Thrasher et el, after making several open cuts, drove 140 ft. tunnel, cross-cutting vain at point about 100 feet below earths surface. Drifting on contact, they opened 3 chimneys from which an approximate 1000 tons of Tungsten Ore averaging .75 of 1% WO3 content was shipped during W.War #2.

This applicant obtained ownership of property thru Purchase Contract, and re-opened mine in July 1951. Our plan was, and still is, to continue to mine and ship balance of ore above present level and at same time explore area for more ore. Consistant with this plan we, at our own expense, opened new cross-cut tunnel further down mountain, but after 80 feet are now convinced that we cannot effectively carry thru this exploration program with-out financial aid.

-b- Owner under Purchase Contract has agree. to sign "Subordination Instrument" when form is available.

-c- Sect. 29 NW Qtr., Township 30 N R24E unsurveyed portion. Southeast Qtr. Sect. 29 surveyed for water.

Note: Present mining and exploration operations on same property but sufficiently removed from each other to justify independent operation and classification.

Item #2

-a- Tungsten

-b- From present operations, too limited to be profitable, we learn the contact is averaging 5 ft. in thickness, sets almost perpendicular, and runs north to south. We expect to find the Lime beds going very deep since the U.S. Gypsum plant is operating at point several hundred feet below us.

Supplement Sheet to form MF-103

Page #2

Item #3

-a- From past operations we know we have a Contact on this property. We know it sets almost perpendicular and runs north and south.

We refer you to Map. Point "A" is portal of present crosscut tunnel...Point "B" is where cross-cut reaches contact. From "B" to "C" is Drift on Contact. Extending upward along B-C to surface is 100 feet....In this area is a surfaced man-way, and 3 Ore Chimneys.

At point "D" several hundred feet down the side of mountain, we have opened exploratory tunnel calculated to cross-cut Contact in 380 feet...and at point 120 feet below present cross-cut and Drift, or 220 feet below earths surface. When we reach Contact we plan to drift each way for 150 feet. We have completed the first 80 feet of said Cross-cut.

Our estimate cost for this exploration work is Forth Eight Thousand four hundred and eighty five dollars ($48,485.00)

-b- Working 3 shifts or 24 hrs. each day, we believe the Cross-Cut tunnel can be completed in 40 working days...The Drift in 30 working days (in Drift we will have 2 places to work and can use more men per each shift.

We expect to take approximately 20 working days to build the bunk houses, tool shed, cook house, etc.

We estimate the entire operation will take 90 working days, or approx. 120 days overall.

Item #4

-a- See attached Map.

Item #5

-a- There are no existing building facilities and fixtures which can effectively be used for this exploration work. We do have small tools shed and cabin at portal of present cross-cut but they are too far removed from Portal of new Cross-cut to be used.

Supplement sheet to Form MF-100

Page #8

Item #6

-a- We will need the following:

- Tool Shed.....$425.00
- 3 bunk houses 12' x 20'. 5040.00
- 1 Shower & Toilet rm.....3810.00
- Well p. 1..... 700.00
- 500 gallon water tank..... 250.00
- Cook Hs & Din. Rm 20'x40'....4800.00
- Boiler Rm 1100.00

Total.....$16,225.00

(Kit. Accessories included in Cook Hs. cost)

All construction to be wood frame with wood floors and comp. roofs....Board & Batt exterior. No interior finish except in Kitchen. All bldgs. will be so constructed to provide for interior finish later on if so desired.

Item #7

-a- Operating equipment to be rented:

- 1	210 Cu. Ft. Air Compressor...	300.00	per mo.
- 2	small air tuggers.....	120.00	" "
- 2	Jack Hammers or buzzers.....	120.00	" "
- 1	10 kw. power plant.....	100.00	" "
	Total.....	640.00	" "

or for 4 months is $2,560.00

-b- Operating equipment to be purchased:

- None

c- Operating equipment to be furnished by Applicant:

- 1 Gasoline pered ventilation plant - Value ...$1,500.00
- 1 Dodge Dump truck (load).....- Value.... 1,000.00
- 1 Ferguson Skip Loader.....- Value.... 3,000.00
- 1 Willy's Jeep.....- Value.... 1,000.00
- 1 Slusher.....- Value.... 200.00
- 1 Welding set.....- Value.... 200.00
- 1 Water Tank.....- Value.... 200.00
- 1 Loader (home made).....- Value.... 300.00
- 1 Dodge Pick-up or equivalent.....- Value.... 1,500.00

For use of all this equipment I estimate a total rental or depreciation of $1,000.00 - Exact amount to be determined later.

Supplement sheet to form MF-103

Page #4
Item #8

-a- We will need:

- 3 muckers...at $1.50 per Hr..for 2160 Hrs		$ 3,240.00
To work as laborers during construction of building facilities.		
- 6 Miners....at $1.90 per Hr..for 3360 Hr.		6,384.00
- 2 Miners....at 1.90 per Hr..for 1440 Hr.		2,736.00
- 6 Carpenters at 2.70 per Hr..for 1280 Hr.		5,456.00
- 1 Supervisor at 3.00 per Hr..for 720 Hr.		2,160.00
Total.....		$17,976.00
- Add 16% for Gov. Deductions and Insurance		287.61
- Add 5% for Bookkeeper.....		89.88
Total Labor & Ins. on labor....		$18,353.49
Included in this total but used in Item #8 - Labor.....		8,253.69
Bal. Total this item....		$10,110.00

Item #9

-a- Materials, Supplies, Engineering, Assaying

- Powder & Caps.....	$ 2.40 per ft.
- Steel, Bits, Reinfrc.....	2.10 per ft.
- Rails, Nails, Bolts, Ties..	3.00 per ft.
- Note: When we reach hard rock we can eliminate much timbering but the money saved will be compensated for in additional cost of drilling, mucking, etc. thus:	
- Timbering.....	7.50 per ft.
- Fuel for All Power Plants..	7.20 per ft.
- Water & Air Pipe & Fittings	1.50 per ft.
- Office supplies.....	.10 per ft.
- Air Ventilation pipe.....	.70 per ft.
Total.	$ 24.50 per ft.

Total for this item $14,580.00

Item #10

-a- We can invest $10,000.00

-b- Yes. We expect to work ourselves, and we have some supplies.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2302

Date received 12-26-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

(J.B. Mayfield & A.W. Reed dba)
MAYFIELD & REED
GERLACH, NEV.

Name and address of applicant

Date Dec. 18, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Albert W. Reed Gerlach, Nev.	Partner	none	$15,000				$15,000
J. B. Mayfield Gerlach, Nev.	Partner	none	$25,000				$15,000
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Tungsten	None	none	none	300 S. to n
2. Quantity of product processed (specify unit of measure and type of process) (mill)	WO3	none	none	none	Approx. 150 S.T. units.
3. Quantity and grade of product sold or shipped (specify units of measure) Short Ton Unit	WO3	none	none	none	ditto

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. See separate sheet

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

SUPPLEMENT SHEET

TO

FORM MF-100

Page #1 Applicant: Mayfield & Reed

Item #1
-a- Tungsten (WO3)
-b- none

Item #2
-a- Shaft or Wenze 60' in depth.
-b- 180 Ft. of cross-cut and 200' of drifts
-c- none
-d- Have several open-cuts. Have one man-way to surface from 100 ft. level. Three chimneys.

Item #3
-a- 18 miles from Gerlach, Nev. (Western Pacific RR)
-b- Hooker Mining District
-c- Sect. 29NW Qtr., Township 30 N R24E unsurveyed portion. South-east Qtr. sect. 29 surveyed for water.
-D- Pershing County, State of Nevada

Item #4
-a- Property being operated by Mayfield & Reed under terms of agreement with original owner J.J. Thrasher.

Item #5
-a- Operated during World Ward #2 and since July of 1951.

Item #6
-a- Both J.B. Mayfield and A.W. Reed are General Building Contractors with many years experience in use of equipment and employers of men. In Tungsten mining for 1 year.

Item #7
-a- This property operated during W.W. #2, shipping approx. 1000 short tons of .75 of 1% WO3 (Tungsten). An estimated 2000 short tons of same type of ore is proven.
-b- Nearest producing property is approx. 20 miles south, and it is supposed to have produced upward of $1,000,000.00 worth of Tungsten - it is known as the MGL mine.
-c- None available.

Item #11
-a- We hope to find new supply of ore, and naturally hope to increase production accordingly.

Item #12
-a- No reports available. We have a good prospect of locating upward of over 100,000 tons of Tungsten.

-b- Not Placer. see schedule on Form 100.

Item #12

-a- 2½ miles from oiled road to property. 18 miles to nearest town where some living facilities are available and where the Western PacificR.R. runs.

Item #14
-a- Have spring on property which runs the year round....sufficient for all operations contemplated.

Item #15

-a- We have no Electric power and property site. However the U.S. Gypsum plant has line along oiled road, 2½ miles from property.....Could be brought to our property but cost prohibitive unless we had large mill.

Item $16

-a- See Form #MF-103

Item #17

-a- See Form #MF-103

ITEM #18

-a- no.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	2000 short tons	.75 of 1% WO3 cont.	$45.00	$36.00	$27.00
Indicated (probable)	800,000 S.ton	ditto	ditto	ditto	ditto

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

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.

Mayfield & Reed
(Name of company)

By T W Reed
(Signature of authorized official)

Dec. 18, 1951
(Date)

Partner
(Title)

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

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

A G R E E M E N T

THIS AGREEMENT made and entered into this 31st day of July, 1951, by and between J. J. THRASHER, of Gerlach, Nevada, first party, and ALBERT W. REED, of Fullerton, California, and JOHN B. MAYFIELD, of Gerlach, Nevada, second parties,

W I T N E S S E T H:

THAT WHEREAS, party of the first part is the lawful owner of the following ten (10) mining claims, hereinafter referred to as "premises", which said premises are located and situate in the Hooker Mining District, County of Pershing, State of Nevada, and are named as follows, to-wit: STORMY DAY, STORMY DAY NO. 2, STORMY DAY NO. 3, STORMY DAY NO. 4, STORMY DAY NO. 5, STORMY DAY NO. 6, STORMY DAY NO. 7, STORMY DAY NO. 8, STORMY DAY NO. 9, and STORMY DAY NO. 10, which are fully described in the County records in the office of the County Recorder of Lovelock, Pershing County, Nevada, and which descriptions will, within thirty (30) days, be appended hereto and made a part hereof, and

WHEREAS, said second parties have made a thorough investigation of said premises and are desirous of purchasing same, and

WHEREAS, said first party has not made any representations regarding the merits of said premises to said second parties,

NOW, THEREFORE, it is hereby agreed between the parties hereto as follows:

1. That for and in consideration of the sum of $10.00, lawful money of the United States, paid by second parties to said first party, the receipt whereof is hereby acknowledged, said second parties hereby agree to purchase said hereinabove described premises from said first party for the sum of Sixty Thousand Dollars ($60,000.00), lawful money of the United States, under the following terms, covenants and conditions;

2. Said second parties agree to enter into and take possession of said premises on this day and date, and further agree to commence mining operations on said premises within five (5) days from the date hereof.

3. Said second parties agree to pay said first party a gross royalty of ten percent (10%) of the value of the ore, but under no circumstances shall they pay to said first party a lessor sum than Five Dollars ($5.00) per ton for such ore, until and unless said second parties reach a vertical or inclined depth of at least one hundred (100) feet. After reaching said depth of 100 feet said second parties may disregard said guarantee of at least $5.00 per ton, but they must continue to pay a gross royalty of 10% until full amount of $60,000.00 is paid to first party.

4. Said second parties agree not to assess any mining charges, hauling, trucking, or shipping charges, or any milling or fabricating or reduction charges of said ore against said first party, and it is distinctly understood by and between the parties hereto that the said first party is to receive 10% of the gross value of the ore or concentrates in the payment of said hereinabove referred to purchase price of $60,000.00.

5. Said second parties agree to operate and work said premises in a miner-like fashion, with the distinct understanding between the parties hereto that said second parties shall remove all waste rock and material from the underground workings.

6. Said second parties agree to work said premises steadily and continuously from the date of this agreement, with at least four (4) persons employed underground for at least eight (8) hours per day for each man, and for at least twenty-four (24) days each calendar month.

7. Said second parties further agree that for any ore they remove or extract from the overhead raises or stopes, they will remove a like amount of ore by weight or volume from either a vertical shaft, an inclined shaft, or a winze; but when said second parties have reached a depth of 100 feet by the sinking of a vertical shaft, an inclined shaft, or a winze, then and in that event they shall have the right to remove ore from any part of the premises, provided they also remove any waste rock or material from any underground workings, as hereinabove referred to.

8. Said second parties further agree to at all times fully comply with the provisions of the Workman's Compensation Laws of the State of Nevada, and said second parties also agree to carry liability insurance in the amount of at least $50,000.00, this latter provision for the purpose of protecting the property in the event that any trespassers should be injured or killed on the premises.

9. It is further agreed and understood that said second parties shall not permit any person or persons other than employees to go underground on said premises, but said first

party may enter and inspect said premises any time he so desires.

10. Said second parties further agree to hold said first party and also said premises free and clear from any and all liability of any nature, kind or description, including actions for damages for personal injuries, actions for wages, actions brought by material men, and any other actions, claims, demands, et cetera, of any kind, nature or description.

11. Said second parties further agree to comply with all Federal, State and County laws pertaining to mining and mining operations.

12. Said second parties further agree that this agreement shall not, nor shall any interest therein pass or be assigned on the part of said second parties, by bankruptcy, voluntary or involuntary, or by any operation of law, without the written consent of said first party.

13. That upon any violation of any covenant or covenants hereinbefore reserved and on the part of the second parties to be performed, this agreement shall at the option of the said first party, expire, and the same and said premises shall become forfeit to said first party; and said first party or his agent may thereupon enter upon said premises and dispossess all persons occupying the same, with or without process of law.

14. The ore or concentrates shall be sold at the prevailing market price immediately after said ore is mined, and said ore or concentrates must be sold within thirty (30) days after the mining thereof.

15. This agreement is not assignable without the written consent of the first party.

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

17. Said first party agrees that upon receiving the full and total sum of $60,000.00 from said second parties, as hereinabove specified and referred to, said first party agrees to execute quitclaim deeds to the premises and to deliver said deeds to said second parties.

18. Time is of the essence of this agreement.

19. For and in consideration of the sum of Ten Dollars ($10.00), lawful money of the United States, paid by the first party to the second parties, the receipt whereof is hereby acknowledged, it is agreed between said parties that after said second parties pay the full and total sum of Sixty Thousand Dollars ($60,000.00) to said first party, said first party shall be entitled to and shall receive from said second parties a ten percent (10%) interest in the net profits from the mining of said described premises, for the entire period of time and during the entire period of time that said second parties operate said premises.

20. It is further agreed between the parties hereto that in the event that said second parties should sell said hereinabove described premises to any third party or parties, after the full and total payment of $60,000.00 is made by said second parties to said first party, then and in that event said first party shall be entitled to ten percent (10%) of the full amount of said sale made by said second parties to any third party or parties.

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

J. J. Thrasher
First Party

Albert W. Reed

John B. Mayfield
Second Parties

STATE OF NEVADA,)
) ss.
COUNTY OF WASHOE,)

On this 31st day of July, 1951, personally appeared before me, a Notary Public in and for the said County of Washoe, J. J. THRASHER and ALBERT W. REED, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe the day and year in this certificate first above written.

Notary Public in and for the
County of Washoe, State of Nevada.

STATE OF NEVADA,)
) ss.
COUNTY OF WASHOE,)

On this 31st day of July, 1951, personally appeared before me, a Notary Public in and for the said County of Washoe, JOHN B. MAYFIELD, known to me to be the person described in and who executed the foregoing instrument, who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe the day and year in this certificate first above written.

Notary Public in and for the
[illegible]ate of Nevada.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2302
Metal or Mineral
Date Received 12-26-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

MYTHILO & RAID
GERLACH, NEVADA

Name and address of applicant

Date Dec. 17, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

(Name of company)	By (Signature of authorized official)
(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.

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

SUPPLEMENT SHEET

to

FORM MF-103

Page #1
Item #1

-a- Property consists of 10 claims, 2 claims wide and 5 claims long, running the long way North to South.

Located in Hooker Mining Dist., County of Pershing, State ofNev. About 18 miles south of Gerlach, Nev.

Is on west side of Selenite Mt. range, which at this point extends upward at approx. 30 degrees.

The original owners, John Thrasher et el, after making several open cuts, drove 140 ft. tunnel, cross-cutting vain at point about 100 feet below earths surface. Drifting on contact, they opened 3 chimneys from which an approximate 1000 tons of Tungsten Ore averaging .75 of 1% WO3 content was shipped during W.War #2.

This applicant obtained ownership of property thru Purchase Contract, and re-opened mine in July 1951. Our plan was, and still is, to continue to mine and ship balance of ore above present level and at same time explore area for more ore. Consistant with this plan we, at our own expense, opened new cross-cut tunnel further down mountain, but after 80 feet are now convinced that we cannot effectively carry thru this exploration program with-out financial aid.

-b- Owner under Purchase Contract has agreed to sign "Subordination Instrument" when form is available.

-c- Sect. 29 NW Qtr., Township 30 N R24E unsurveyed portion. Southeast Qtr. Sect. 29 surveyed for water.

Note: Present mining and exploration operations on same property but sufficiently removed from each other to justify independent operation and classification.

Item #2

-a- Tungsten

-b- From present operations, too limited to be profitable, we learn the contact is averaging 5 ft. in thickness, sets almost perpendicular, and runs north to south. We expect to find the Lime beds going very deep since the U.S. Gypsum plant is operating at point several hundred feet below us.

Supplement Sheet to form MF-103

Page #2

Item #3

-a- From past operations we know we have a Contact on this property. We know it sets almost perpendicular and runs north and south.

We refer you to Map. Point "A" is portal of present crosscut tunnel...Point "B" is where cross-cut reaches contact. From "B" to "C" is Drift on Contact. Extending upward along B-C to surface is 100 feet....In this area is a surfaced man-way, and 3 Ore Chimneys.

At point "D" several hundred feet down the side of mountain, we have opened exploratory tunnel calculated to cross-cut Contact in 380 feet...and at point 120 feet below present cross-cut and Drift, or 220 feet below earths surface. When we reach Contact we plan to drift each way for 150 feet. We have completed the first 60 feet of said Cross-cut.

Our estimate cost for this exploration work is Forty Eight Thousand four hundred and eighty five dollars ($48,485.00)

-b- Working 3 shifts or 24 hrs. each day, I believe the Cross-Cut tunnel can be completed in 40 working days...The Drift in 50 working days (in Drift we will have 2 places to work and can use more men per each shift.

We expect to take approximately 20 working days to build the bunk houses, tool shed, cook house, etc.

We estimate the entire operation will take 90 working days, or approx. 120 days overall.

Item #4

-a- See attached Map.

Item #5

-a- There are no existing building facilities and fixtures which can effectively be used for this exploration work. We do have small tools shed and cabin at portal of present cross-cut but they are too far removed from Portal of new Cross-cut to be used.

Supplement sheet to Form KY-103

Page #3

Item #6

-a- We will need the following:

- Tool Shed.....[illegible].00
- 3 bunk houses 12' x 20'.....3040.00
- 1 Shower & Toilet r.....3610.00
- Se.. p. l..... 700.00
- 500 gallon water tank..... 250.00
- Co k ns & Dis. hm 20'x40'....4600.00
- Boiler Ro.....1[illegible]00.00

Total.....[illegible]

(Kit. accessories included in Cook Ho. cost)

All construction to be wood frame with wood floors and comp. roofs. Board & Batt exterior. No interior finish except in Kitchen. All bldgs. will be so constructed to provide for interior finish later on if so desired.

Item #7

-a- Operating equipment to be rented:

- 1 [illegible] Cu. Ft. Air Compressor.....[illegible] per mo.
- [illegible] small air hoppers..... 1[illegible] " "
- [illegible] Jack hammers or buzzers..... 1[illegible] " "
- 1 10 Kw. power plant..... 100.00 " "

Total..... [illegible] " "

for for 4 months [illegible]60.00

-b- Operating equipment to be purchased:

- None

c- Operating equipment to be furnished by Applicant:

- 1 Gasoline gered ventilation plant - Value [illegible].00
- 1 Dodge Dump truck (1[illegible])..... - Value.... 1,000.00
- 1 Ferguson Skip Loader..... - Value.... 3,[illegible].00
- 1 Willy's Jeep..... - Value.... 1[illegible].00
- 1 Blusher..... - Value.... [illegible].00
- 1 welding set..... - Value.... [illegible].00
- 1 Water Tank..... - Value.... [illegible].00
- 1 Loader (hose reel)..... - Value.... [illegible].00
- 1 Dodge Pick-up or equivalent..... - Value.... 1,[illegible].00

For use of all this equipment I estimate a total rental or depreciation of $1,000.00 - Exact amount to be determined later.

Supplement sheet to form MP-108

Page #4
Item #8

-a- We will need;

- 8 cookers...at $1.50 per Hr..for/160 Hrs	$160	$ 2,040.00
To work as laborers during construction of building facilities.		
- 8 Miners.....at $1.50 per Hr..for 3280 Hr.		8,544.00
- 2 Miners.....at 1.50 per Hr..for 1460 Hr.		3,780.00
- 8 Carpenters at 2.70 per Hr..for 1460 Hr.		5,150.40
- 1 Supervisor at 5.00 per Hr..for 730 Hr.		3,100.00
Total.....		$17,674.00

- Add 10% for Gov. Deductions and Insurance 267.01 — Error 2,876.10

- Add 5% for Bookkeeper..... 88.60 / 898.80

Total Labor & Ins. on Labor....$18,029.40
Included in this total but used in
Item #6 - Labor..... 8,555.00
Bal. Total this item....$9,474.40

Item #9

-a- Materials, Supplies, Engineering, Assaying

- Powder & Caps.....	$ 2.20 per ft.
- Steel, Bits, Ex. Ar.....	2.10 per ft.
- Rails, Rails, Belts, Ties..	1.00 per ft.
- Note: When we reach hard rock we can eliminate much timbering but the money saved will be compensated for in additional cost of drilling, blasting, etc. Thus:	
- Timbering.....	7.00 per ft.
- Fuel for All Power Plants..	7.00 per ft.
- Water & Air Pipe & Fittings	1.50 per ft.
- Office Supplies.....	.13 per ft.
- Air Ventilation pipe.....	.70 per ft.
Total.....	$ 24.00 per ft.

Total for this item $14,400.00

Item #10

-a- We can invest $10,000.00

-b- Yes. We expect to work ourselves, and we have some supplies.

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2802

Date received 12-26-51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

[illegible]
[illegible]
[illegible], N.Y.

Name and address of applicant

Date Dec. 13, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Albert W. Reed Gerlach, Nev.	Partner	none	$15,000				$15,000
J. B. Mayfield Gerlach, Nev.	Partner	none	$25,000				$15,000
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Turgsten	None	none	none	300 S. to n
2. Quantity of product processed (specify unit of measure and type of process) (Mill)	W03	none	none	none	Approx. 150 S.T. units.
3. Quantity and grade of product sold or shipped (specify units of measure) Short Ton Unit	W03	none	none	none	ditto

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. See separate sheet

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

SUPPLEMENT SHEET

TO

FORM MF-100

Page #1

Applicant: Mayfield & Reed

Item #1
-a- Tungsten (WO3)
-b- none

Item #2
-a- Shaft or Wenze 60' in depth.
-b- 180 Ft. of cross-cut and 200' of drifts
-c- none
-d- Have several open-cuts. Have one man-way to surface from 100 ft. level. Three chimneys.

Item #3
-a- 18 miles from Gerlach, Nev. (Western Pacific RR)
-b- Hooker Mining District
-c- Sect. 29NW Qtr., Township 30 N R24E unsurveyed portion. Southeast Qtr. sect. 29 surveyed for water.
-D- Pershing County, State of Nevada

Item #4
-a- Property being operated by Mayfield & Reed under terms of agreement with original owner J.J. Thrasher.

Item #5
-a- Operated during World Ward #2 and since July of 1951.

Item #6
-a- Both J.B. Mayfield and A.W. Reed are General Building Contractors with many years experience in use of equipment and employers of men. In Tungsten mining for 1 year.

Item #7
-a- This property operated during W.W. #2, shipping approx. 1000 short tons of .75 of 1% WO3 (Tungsten). An estimated 2000 short tons of same type of ore is proven.
-b- Nearest producing property is approx. 80 miles south, and it is supposed to have produced upward of $1,000,000.00 worth of Tungsten - it is known as the MOL mine.
-c- None available.

Item #11
-a- We hope to find new supply of ore, and naturally hope to increase production accordingly.

Item #12
-a- No reports available. We have a good prospect of locating upward of over 100,000 tons of Tungsten.

-b- Not Placer. see schedule on Form 100.

Item #12

-a- 2½ miles from oiled road to property. 18 miles to nearest town where some living facilities are available and where the Western PacificR.R. runs.

Item #14
-a- Have spring on property which runs the year round....sufficient for all operations contemplated.

Item #15

-a- We have no Electric power and property site. However the U.S. Gypsum plant has line along oiled road, 2½ miles from property.....Could be brought to our property but cost prohibitive unless we had large mill.

Item $16

-a- See Form #MF-103

Item #17

-a- See Form #MF-103

ITEM #18

-a- no.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	2000 tons	short .75 of 1% W03 cont.	$45.00	$36.00	$27.00
Indicated (probable)	800,000 S.ton	ditto	ditto	ditto	ditto

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

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.

Mayfield & Reed
(Name of company)

By T W Reed
(Signature of authorized official)

Dec. 18, 1951
(Date)

Partner
(Title)

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

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

A G R E E M E N T

THIS AGREEMENT made and entered into this 31st day of July, 1951, by and between J. J. THRASHER, of Gerlach, Nevada, first party, and ALBERT W. REED, of Fullerton, California, and JOHN B. MAYFIELD, of Gerlach, Nevada, second parties,

W I T N E S S E T H:

THAT WHEREAS, party of the first part is the lawful owner of the following ten (10) mining claims, hereinafter referred to as "premises", which said premises are located and situate in the Hooker Mining District, County of Pershing, State of Nevada, and are named as follows, to-wit: STORMY DAY, STORMY DAY NO. 2, STORMY DAY NO. 3, STORMY DAY NO. 4, STORMY DAY NO. 5, STORMY DAY NO. 6, STORMY DAY NO. 7, STORMY DAY NO. 8, STORMY DAY NO. 9, and STORMY DAY NO. 10, which are fully described in the County records in the office of the County Recorder at Lovelock, Pershing County, Nevada, and which descriptions will, within thirty (30) days, be appended hereto and made a part hereof, and

WHEREAS, said second parties have made a thorough investigation of said premises and are desirous of purchasing same, and

WHEREAS, said first party has not made any representations regarding the merits of said premises to said second parties,

NOW, THEREFORE, it is hereby agreed between the parties hereto as follows:

1. That for and in consideration of the sum of $10.00, lawful money of the United States, paid by second parties to said first party, the receipt whereof is hereby acknowledged, said second parties hereby agree to purchase said hereinabove described premises from said first party for the sum of Sixty Thousand Dollars ($60,000.00), lawful money of the United States, under the following terms, covenants and conditions;

2. Said second parties agree to enter into and take possession of said premises on this day and date, and further agree to commence mining operations on said premises within five (5) days from the date hereof.

3. Said second parties agree to pay said first party a gross royalty of ten percent (10%) of the value of the ore, but under no circumstances shall they pay to said first party a lesser sum than Five Dollars ($5.00) per ton for such ore, until and unless said second parties reach a vertical or inclined depth of at least one hundred (100) feet. After reaching said depth of 100 feet said second parties may disregard said guarantee of at least $5.00 per ton, but they must continue to pay a gross royalty of 10% until full amount of $60,000.00 is paid to first party.

4. Said second parties agree not to assess any mining charges, hauling, trucking, or shipping charges, or any milling or fabricating or reduction charges of said ore against said first party, and it is distinctly understood by and between the parties hereto that the said first party is to receive 10% of the gross value of the ore or concentrates in the payment of said hereinabove referred to purchase price of $60,000.00.

5. Said second parties agree to operate and work said premises in a miner-like fashion, with the distinct understanding between the parties hereto that said second parties shall remove all waste rock and material from the underground workings.

6. Said second parties agree to work said premises steadily and continuously from the date of this agreement, with at least four (4) persons employed underground for at least eight (8) hours per day for each man, and for at least twenty-four (24) days each calendar month.

7. Said second parties further agree that for any ore they remove or extract from the overhead raises or stopes, they will remove a like amount of ore by weight or volume from either a vertical shaft, an inclined shaft, or a winze; but when said second parties have reached a depth of 100 feet by the sinking of a vertical shaft, an inclined shaft, or a winze, then and in that event they shall have the right to remove ore from any part of the premises, provided they also remove any waste rock or material from any underground workings, as hereinabove referred to.

8. Said second parties further agree to at all times fully comply with the provisions of the Workman's Compensation Laws of the State of Nevada, and said second parties also agree to carry liability insurance in the amount of at least $50,000.00, this latter provision for the purpose of protecting the property in the event that any trespassers should be injured or killed on the premises.

9. It is further agreed and understood that said second parties shall not permit any person or persons other than employees to go underground on said premises, but said first

party may enter and inspect said premises any time he so desires.

10. Said second parties further agree to hold said first party and also said premises free and clear from any and all liability of any nature, kind or description, including actions for damages for personal injuries, actions for wages, actions brought by material men, and any other actions, claims, demands, et cetera, of any kind, nature or description.

11. Said second parties further agree to comply with all Federal, State and County laws pertaining to mining and mining operations.

12. Said second parties further agree that this agreement shall not, nor shall any interest therein pass or be assigned on the part of said second parties, by bankruptcy, voluntary or involuntary, or by any operation of law, without the written consent of said first party.

13. That upon any violation of any covenant or covenants hereinbefore reserved and on the part of the second parties to be performed, this agreement shall at the option of the said first party, expire, and the same and said premises shall become forfeit to said first party; and said first party or his agent may thereupon enter upon said premises and dispossess all persons occupying the same, with or without process of law.

14. The ore or concentrates shall be sold at the prevailing market price immediately after said ore is mined, and said ore or concentrates must be sold within thirty (30) days after the mining thereof.

15. This agreement is not assignable without the written consent of the first party.

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

17. Said first party agrees that upon receiving the full and total sum of $60,000.00 from said second parties, as hereinabove specified and referred to, said first party agrees to execute quitclaim deeds to the premises and to deliver said deeds to said second parties.

18. Time is of the essence of this agreement.

19. For and in consideration of the sum of Ten Dollars ($10.00), lawful money of the United States, paid by the first party to the second parties, the receipt whereof is hereby acknowledged, it is agreed between said parties that after said second parties pay the full and total sum of Sixty Thousand Dollars ($60,000.00) to said first party, said first party shall be entitled to and shall receive from said second parties a ten percent (10%) interest in the net profits from the mining of said described premises, for the entire period of time and during the entire period of time that said second parties operate said premises.

20. It is further agreed between the parties hereto that in the event that said second parties should sell said hereinabove described premises to any third party or parties, after the full and total payment of $60,000.00 is made by said second parties to said first party, then and in that event said first party shall be entitled to ten percent (10%) of the full amount of said sale made by said second parties to any third party or parties.

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

J. J. Thrasher
First Party

Albert W. Reed

John B. Mayfield
Second Parties

STATE OF NEVADA,)
) ss.
COUNTY OF WASHOE,)

On this 31st day of July, 1951, personally appeared before me, a Notary Public in and for the said County of Washoe, J. J. THRASHER and ALBERT W. REED, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe the day and year in this certificate first above written.

Notary Public in and for the
County of Washoe, State of Nevada.

STATE OF NEVADA,)
) ss.
COUNTY OF WASHOE,)

On this 31st day of July, 1951, personally appeared before me, a Notary Public in and for the said County of Washoe, JOHN B. MAYFIELD, known to me to be the person described in and who executed the foregoing instrument, who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe the day and year in this certificate first above written.

Notary Public in and for the
County of Washoe, State of Nevada.

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

OFFICIAL BUSINESS

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

Duane E. Wright
2 Wright Ave

DMEA-2302

Gerlach, Nev.
Dec. 18, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

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

Gentlemen:

We have a Tungsten property in Northern Nevada which we believe to be very promising.

We need financial assistance for further exploration work, and to the best of our ability have prepared Form MF-100 and Form MF-103, to-gether with copies of "Purchase Agreement", and maps, all of which we submit herewith as per instructions.

Thanking you for your attention, we are,

Respectfully yours,

MAYFIELD & REED
Gerlach, Nevada

By A.W. Reed
A.W. Reed

encl: 4 copies of Form MF-100
4 copies of Form MF-103
4 Maps
4 copies of Purchase Agreement
4 copies of supplement sheets to Form MF-100
4 copies of supplement sheets to Form MF-103

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George Selfridge, DMEA DATE: January 3, 1952

FROM : D. M. Lemmon, U.S.G.S.

SUBJECT: Exploration application $48,485 DMEA 2302 - Tungsten
Mayfield and Reed
Gerlach, Nevada

Property: Stormy Day mine
Sec. 29, T. 30 N., R. 24 E.
Selenite Range, Pershing County
Nevada

Proposal: The applicant proposes to extend an adit 300 feet to a granite-limestone contact and drift 300 feet on the contact. This adit will be 120 feet below the present workings which are in an ore zone containing about 50 tons per foot of depth averaging 0.75 percent of WO_3.

Geologic merit: This property was mapped by the Geological Survey in 1943, and has not been worked extensively since then. The maps show that the contact dips 65° to 75° west, and that granite is cutting the ore off to the south. The possibility of finding ore to the depth of the proposed adit is good. The work might discover as much as 6,000 tons of ore containing 0.7 percent of WO_3.

Past production of 1,029 tons containing 787 units of WO_3 was sold to an ore purchase depot of MRC in 1944. The operation was financed by a loan of $20,000 from R.F.C., a loan which probably was not repaid.

Conclusions and Recommendation: Although the property has some geologic merit, the proposal made is unsatisfactory because of excessive cost, lack of engineering to show precise position and elevation of new adit, and a demonstration that the proposed adit is the most economical method of exploration. It is suggested that the following be brought to the attention of the applicant:

(1) Why not do 1000 feet of preliminary core drilling (cost $7,500) to locate the contact at depth and sample the tactite? Five holes 200 feet deep, drilled from the surface, would test the contact at a depth of 125 feet below present workings. This work would outline precisely where underground workings should be placed.

(2) Is a new adit preferable to a winze sunk in ore?

(3) If the adit project be undertaken, provision should also be made for a raise to the present workings, in ore if possible.

(4) What is the elevation and precise location of the new tunnel portal with relation to the present workings, and what rocks are present in the first 80 feet of the new tunnel?

(5) What is being done with ore now mined from the upper workings, and what will be done with any ore discovered in lower workings?

(6) The past work done on the property shows that the contact dips 65° to 75° west between the surface and the present workings, not vertical as stated in the application.

(7) Estimated costs of the proposed project are excessive (about $80 a foot for drifting). About 1/3 of the total consists of housing. In estimating labor charges, it is stated that 16% and 5% are added for insurance and bookkeeping, although the actual amounts entered are only 1.6% and 0.5%.

Dwight M. Lemmon

George Selfridge, DMEA

January 3, 1952

D. M. Lemmon, U.S.G.S.

Exploration application $48,485
Mayfield and Reed
Gerlach, Nevada

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DM Lemmon

DMLemmon:gt

copy

Gerlach, Nev.
Dec. 18, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

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

Gentlemen:

We have a Tungsten property in Northern Nevada which we believe to be very promising.

We need financial assistance for further exploration work, and to the best of our ability have prepared Form MF-100 and Form MF-103, to-gether with copies of "Purchase Agreement", and maps, all of which we submit herewith as per instructions.

Thanking you for your attention, we are,

Respectfully yours,

MAYFIELD & REED
Gerlach, Nevada

By A.W. Reed
A.W. Reed

encl: 4 copies of Form MF-100
4 copies of Form MF-103
4 Maps
4 copies of Purchase Agreement
4 copies of supplement sheets to Form MF-100
4 copies of supplement sheets to Form MF-103

EXPLORATION

Subject: DMEA-2302
Re: Exploration Loan
Stormy Day 1 to 10 Claims

Mr. A. W. Reed, Partner
Mayfield & Reed
Gerlach, Nevada

My dear Mr. Reed:

This will acknowledge receipt of your application dated December 17, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2302 and referred to the Iron & Ferro Alloys Division.

Kindly refer to DMEA-2302 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

copy

Gerlach, Nev.
Dec. 18, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

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

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MAYFIELD & REED
Gerlach, Nevada

By A. W. Reed
A.W. Reed

encl: 4 copies of Form MF-100
4 copies of Form MF-103
4 Maps
4 copies of Purchase Agreement
4 copies of supplement sheets to Form MF-100
4 copies of supplement sheets to Form MF-103

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

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

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

Not To Be Filled in by Applicant

Docket No. DMEA-2382
Metal or Mineral
Date Received 12-26-51
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

[illegible]

Name and address of applicant

Date [illegible]

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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

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

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

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

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

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

CERTIFICATION

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

MAYFIELD & REED
(Name of company)

By A.W. Reed
A.W. Reed (Signature of authorized official)

Dec. 17, 1951
(Date)

Partner
(Title)

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

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

SUPPLEMENT SHEET

to

FORM MF-103

Page #1
Item #1

-a- Property consists of 10 claims, 2 claims wide and 5 claims long, running the long way North to South.

Located in Hooker Mining Dist., County of Pershing, State ofNev. About 18 miles south of Gerlach, Nev.

Is on west side of Selenite Mt. range, which at this point extends upward at approx. 30 degrees.

The original owners, John Thrasher et el, after making several open cuts, drove 140 ft. tunnel, cross-cutting vain at point about 100 feet below earths surface. Drifting on contact, they opened 3 chimneys from which an approximate 1000 tons of Tungsten Ore averaging .75 of 1% WO3 content was shipped during W.War #2.

This applicant obtained ownership of property thru Purchase Contract, and re-opened mine in July 1951. Our plan was, and still is, to continue to mine and ship balance of ore above present level and at same time explore area for more ore. Consistant with this plan we, at our own expense, opened new cross-cut tunnel further down mountain, but after 80 feet are now convinced that we cannot effectively carry thru this exploration program with-out financial aid.

-b- Owner under Purchase Contract has agreed to sign "Subordination Instrument" when form is available.

-c- Sect. 29 NW Qtr., Township 30 N R24E unsurveyed portion. Southeast Qtr. Sect. 29 surveyed for water.

Note: Present mining and exploration operations on same property but sufficiently removed from each other to justify independent operation and classification.

Item #2

-a- Tungsten

-b- From present operations, too limited to be profitable, we learn the contact is averaging 5 ft. in thickness, sets almost perpendicular, and runs north to south. We expect to find the Lime beds going very deep since the U.S. Gypsum plant is operating at point several hundred feet below us.

Supplement Sheet to form MF-103

Page #2

Item #3

-a- From past operations we know we have a Contact on this property. We know it sets almost perpendicular and runs north and south.

We refer you to Map. Point "A" is portal of present crosscut tunnel...Point "B" is where cross-cut reaches contact. From "B" to "C" is Drift on Contact. Extending upward along B-C to surface is 100 feet....In this area is a surfaced man-way, and 3 Ore Chimneys.

At point "D" several hundred feet down the side of mountain, we have opened exploratory tunnel calculated to cross-cut Contact in 380 feet...and at point 120 feet below present cross-cut and Drift, or 220 feet below earths surface. When we reach Contact we plan to drift each way for 150 feet. We have completed the first 80 feet of said Cross-cut.

Our estimate cost for this exploration work is Forth Eight Thousand four hundred and eighty five dollars ($48,485.00)

-b- Working 3 shifts or 24 hrs. each day, we believe the Cross-Cut tunnel can be completed in 40 working days...The Drift in 30 working days (in Drift we will have 2 places to work and can use more men per each shift.

We expect to take approximately 20 working days to build the bunk houses, tool shed, cook house, etc.

We estimate the entire operation will take 90 working days, or approx. 120 days overall.

Item #4

-a- See attached Map.

Item #5

-a- There are no existing building facilities and fixtures which can effectively be used for this exploration work. We do have small tools shed and cabin at portal of present cross-cut but they are too far removed from Portal of new Cross-cut to be used.

Supplement sheet to Form MF-103

Page #3

Item #6

-a- We will need the following:

- Tool Shed.....$425.00
- 3 bunk houses 12' x 20'. 5040.00
- 1 Shower & Toilet rm.....3810.00
- Cell pool..... 700.00
- 500 gallon water tank..... 250.00
- Cook Hs & Din. Rm 20'x40'....4800.00
- Boiler Rm 1200.00

Total.....$16,225.00

(Kit. Accessories included in Cook Hs. cost)

All construction to be wood frame with wood floors and comp. roofs....Board & Batt exterior. No interior finish except in Kitchen. All bldgs. will be so constructed to provide for interior finish later on if so desired.

Item #7

-a- Operating equipment to be rented:

- 1 210 Cu. Ft. Air Compressor...	$ 300.00	per	mo.
- 2 small air tuggers.....	120.00	"	"
- 2 Jack Hammers or buzzles.....	120.00	"	"
- 1 10 kw. power plant.....	100.00	"	"
Total.....	640.00	"	"

or for 4 months is $2,560.00

-b- Operating equipment to be purchased:

- none

-c- Operating equipment to be furnished by Applicant:

- 1 Gasoline powered ventilation plant - Value ...$1,000.00
- 1 Dodge Dump truck (1941).....- Value.... 1,000.00
- 1 Ferguson Skip Loader.....- Value.... 3,000.00
- 1 Willy's Jeep... .....- Value.... 1,000.00
- 1 Slusher. ....- Value.... 200.00
- 1 Welding set..... .....- Value.... 200.00
- 1 Water Tank.....- Value.... 200.00
- 1 Loader (home made).....- Value.... 300.00
- 1 Dodge Pick-up or equivalent.....- Value.... 1,500.00

For use of all this equipment I estimate a total rental or depreciation of $1,000.00 - Exact amount to be determined later.

Supplement sheet to form MF-103

Page #4
Item #8

-a- We will need:

- 3 muckers...at $1.50 per Hr..for 2160 Hrs $ 3,240.00
  To work as laborers during construction of building facilities.
- 6 Miners....at $1.90 per Hr..for 3360 Hr. 6,384.00
- 2 Miners....at 1.90 per Hr..for 1440 Hr. 2,736.00
- 8 Carpenters at 2.70 per Hr..for 1280 Hr. 3,456.00
- 1 Supervisor at 3.00 per Hr..for 720 hr. 2,160.00

Total.....$17,976.00

- Add 16% for Gov. Deductions and Insurance 287.61
- Add 5% for Bookkeeper..... 89.88

Total Labor & Ins. on labor....$18,353.49
Included in this total but used in
Item #6 - Labor..... 3,233.89
Bal. Total this item....$15,119.60

Item #9

-a- Materials, Supplies, Engineering, Assaying

- Powder & Caps.....$ 2.40 per ft.
- Steel, Bits, Repairs..... 2.10 per ft.
- Rails, Nails, Bolts, Ties.. 3.00 per ft.
- Note: When we reach hard rock we can eliminate much timbering but the money saved will be compensated for in additional cost of drilling, mucking, etc. thus:
- Timbering..... 7.30 per ft.
- Fuel for All Power Plants.. 7.20 per ft.
- Water & Air Pipe & Fittings 1.50 per ft.
- Office supplies..... .10 per ft.
- Air Ventilation pipe..... .70 per ft.

Total. .....$ 24.30 per ft.

Total for this item $14,580.00

Item #10

-a- We can invest $10,000.00

-b- Yes. We expect to work ourselves, and we have some supplies.

Form MF-103
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2202

Date received 12-26-51

(J.H. Mayfield & A.W. Reed Jr.)
MAYFIELD & REED
GERLACH, NEV.

Name and address of applicant

Date Dec. 18, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

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

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Albert W. Reed Gerlach, Nev.	Partner	none	$15,000				$15,000
J. B. Mayfield Gerlach, Nev.	Partner	none	$25,000				$15,000
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Tungsten	None	none	none	300 S. to n
2. Quantity of product processed (specify unit of measure and type of process) (mill)	W03	none	none	none	Approx. 150 S.T. units.
3. Quantity and grade of product sold or shipped (specify units of measure) Short Ton Unit	W03	none	none	none	ditto

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. See separate sheet

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by an available report on the geology and ore reserves.

SUPPLEMENT SHEET

TO

FORM MF-100

Page #1 Applicant: Mayfield & Reed

Item #1
-a- Tungsten (WO3)
-b- none

Item #2
-a- Shaft or Wenze 60' in depth.
-b- 180 Ft. of cross-cut and 200' of drifts
-c- none
-d- Have several open-cuts. Have one man-way to surface from 100 ft. level. Three chimneys.

Item #3
-a- 18 miles from Gerlach, Nev. (Western Pacific RR)
-b- Hooker Mining District
-c- Sect. 29NW Qtr., Township 30 N R24E unsurveyed portion. South-east Qtr. sect. 29 surveyed for water.
-D- Pershing County, State of Nevada

Item #4
-a- Property being operated by Mayfield & Reed under terms of agreement with original owner J.J. Thrasher.

Item #5
-a- Operated during World Ward #2 and since July of 1951.

Item #6
-a- Both J.B. Mayfield and A.W. Reed are General Building Contractors with many years experience in use of equipment and employers of men. In Tungsten mining for 1 year.

Item #7
-a- This property operated during W.W. #2, shipping approx. 1000 short tons of .75 of 1% WO3 (Tungsten). An estimated 2000 short tons of same type of ore is proven.
-b- Nearest producing property is approx. 20 miles south, and it is supposed to have produced upward of $1,000,000.00 worth of Tungsten - it is known as the MGL mine.
-c- None available.

Item #11
-a- We hope to find new supply of ore, and naturally hope to increase production accordingly.

Item #12
-a- No reports available. We have a good prospect of locating upward of over 100,000 tons of Tungsten.

-b- Not Placer. see schedule on Form 100.

Item #12

-a- 2½ miles from oiled road to property. 18 miles to nearest town where some living facilities are available and where the Western PacificR.R. runs.

Item #14
-a- Have spring on property which runs the year round....sufficient for all operations contemplated.

Item #15

-a- We have no Electric power and property site. However the U.S. Gypsum plant has line along oiled road, 2½ miles from property.....Could be brought to our property but cost prohibitive unless we had large mill.

Item #16

-a- See Form #MF-103

Item #17

-a- See Form #MF-103

ITEM #18

-a- no.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	2000 short tons	.75 of 1% WO3 cont.	$90000. $45.00	$36.00	$27.00
Indicated (probable)	800,000 S.ton	ditto	ditto	ditto	ditto

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

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.

Mayfield + Reed
(Name of company)

By J W Reed
(Signature of authorized official)

Dec. 18, 1951
(Date)

Partner
(Title)

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

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

A G R E E M E N T

THIS AGREEMENT made and entered into this 31st day of July, 1951, by and between J. J. THRASHER, of Gerlach, Nevada, first party, and ALBERT W. REED, of Fullerton, California, and JOHN B. MAYFIELD, of Gerlach, Nevada, second parties,

W I T N E S S E T H:

THAT WHEREAS, party of the first part is the lawful owner of the following ten (10) mining claims, hereinafter referred to as "premises", which said premises are located and situate in the Hooker Mining District, County of Pershing, State of Nevada, and are named as follows, to-wit: STORMY DAY, STORMY DAY NO. 2, STORMY DAY NO. 3, STORMY DAY NO. 4, STORMY DAY NO. 5, STORMY DAY NO. 6, STORMY DAY NO. 7, STORMY DAY NO. 8, STORMY DAY NO. 9, and STORMY DAY NO. 10, which are fully described in the County records in the office of the County Recorder of Lovelock, Pershing County, Nevada, and which descriptions will, within thirty (30) days, be appended hereto and made a part hereof, and

WHEREAS, said second parties have made a thorough investigation of said premises and are desirous of purchasing same, and

WHEREAS, said first party has not made any representations regarding the merits of said premises to said second parties,

NOW, THEREFORE, it is hereby agreed between the parties hereto as follows:

1. That for and in consideration of the sum of $10.00, lawful money of the United States, paid by second parties to said first party, the receipt whereof is hereby acknowledged, said second parties hereby agree to purchase said hereinabove described premises from said first party for the sum of Sixty Thousand Dollars ($60,000.00), lawful money of the United States, under the following terms, covenants and conditions;

2. Said second parties agree to enter into and take possession of said premises on this day and date, and further agree to commence mining operations on said premises within five (5) days from the date hereof.

3. Said second parties agree to pay said first party a gross royalty of ten percent (10%) of the value of the ore, but under no circumstances shall they pay to said first party a lessor sum than Five Dollars ($5.00) per ton for such ore, until and unless said second parties reach a vertical or inclined depth of at least one hundred (100) feet. After reaching said depth of 100 feet said second parties may disregard said guarantee of at least $5.00 per ton, but they must continue to pay a gross royalty of 10% until full amount of $60,000.00 is paid to first party.

4. Said second parties agree not to assess any mining charges, hauling, trucking, or shipping charges, or any milling or fabricating or reduction charges of said ore against said first party, and it is distinctly understood by and between the parties hereto that the said first party is to receive 10% of the gross value of the ore or concentrates in the payment of said hereinabove referred to purchase price of $60,000.00.

5. Said second parties agree to operate and work said premises in a miner-like fashion, with the distinct understanding between the parties hereto that said second parties shall remove all waste rock and material from the underground workings.

6. Said second parties agree to work said premises steadily and continuously from the date of this agreement, with at least four (4) persons employed underground for at least eight (8) hours per day for each man, and for at least twenty-four (24) days each calendar month.

7. Said second parties further agree that for any ore they remove or extract from the overhead raises or stopes, they will remove a like amount of ore by weight or volume from either a vertical shaft, an inclined shaft, or a winze; but when said second parties have reached a depth of 100 feet by the sinking of a vertical shaft, an inclined shaft, or a winze, then and in that event they shall have the right to remove ore from any part of the premises, provided they also remove any waste rock or material from any underground workings, as hereinabove referred to.

8. Said second parties further agree to at all times fully comply with the provisions of the Workman's Compensation Laws of the State of Nevada, and said second parties also agree to carry liability insurance in the amount of at least $50,000.00, this latter provision for the purpose of protecting the property in the event that any trespassers should be injured or killed on the premises.

9. It is further agreed and understood that said second parties shall not permit any person or persons other than employees to go underground on said premises, but said first

party may enter and inspect said premises any time he so desires.

10. Said second parties further agree to hold said first party and also said premises free and clear from any and all liability of any nature, kind or description, including actions for damages for personal injuries, actions for wages, actions brought by material men, and any other actions, claims, demands, et cetera, of any kind, nature or description.

11. Said second parties further agree to comply with all Federal, State and County laws pertaining to mining and mining operations.

12. Said second parties further agree that this agreement shall not, nor shall any interest therein pass or be assigned on the part of said second parties, by bankruptcy, voluntary or involuntary, or by any operation of law, without the written consent of said first party.

13. That upon any violation of any covenant or covenants hereinbefore reserved and on the part of the second parties to be performed, this agreement shall at the option of the said first party, expire, and the same and said premises shall become forfeit to said first party; and said first party or his agent may thereupon enter upon said premises and dispossess all persons occupying the same, with or without process of law.

14. The ore or concentrates shall be sold at the prevailing market price immediately after said ore is mined, and said ore or concentrates must be sold within thirty (30) days after the mining thereof.

15. This agreement is not assignable without the written consent of the first party.

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

17. Said first party agrees that upon receiving the full and total sum of $60,000.00 from said second parties, as hereinabove specified and referred to, said first party agrees to execute quitclaim deeds to the premises and to deliver said deeds to said second parties.

18. Time is of the essence of this agreement.

19. For and in consideration of the sum of Ten Dollars ($10.00), lawful money of the United States, paid by the first party to the second parties, the receipt whereof is hereby acknowledged, it is agreed between said parties that after said second parties pay the full and total sum of Sixty Thousand Dollars ($60,000.00) to said first party, said first party shall be entitled to and shall receive from said second parties a ten percent (10%) interest in the net profits from the mining of said described premises, for the entire period of time and during the entire period of time that said second parties operate said premises.

20. It is further agreed between the parties hereto that in the event that said second parties should sell said hereinabove described premises to any third party or parties, after the full and total payment of $60,000.00 is made by said second parties to said first party, then and in that event said first party shall be entitled to ten percent (10%) of the full amount of said sale made by said second parties to any third party or parties.

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

J. J. Thrasher
First Party

Albert W. Reed

John B. Mayfield
Second Parties

STATE OF NEVADA,)
) ss.
COUNTY OF WASHOE,)

On this 31st day of July, 1951, personally appeared before me, a Notary Public in and for the said County of Washoe, J. J. THRASHER and ALBERT W. REED, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe the day and year in this certificate first above written.

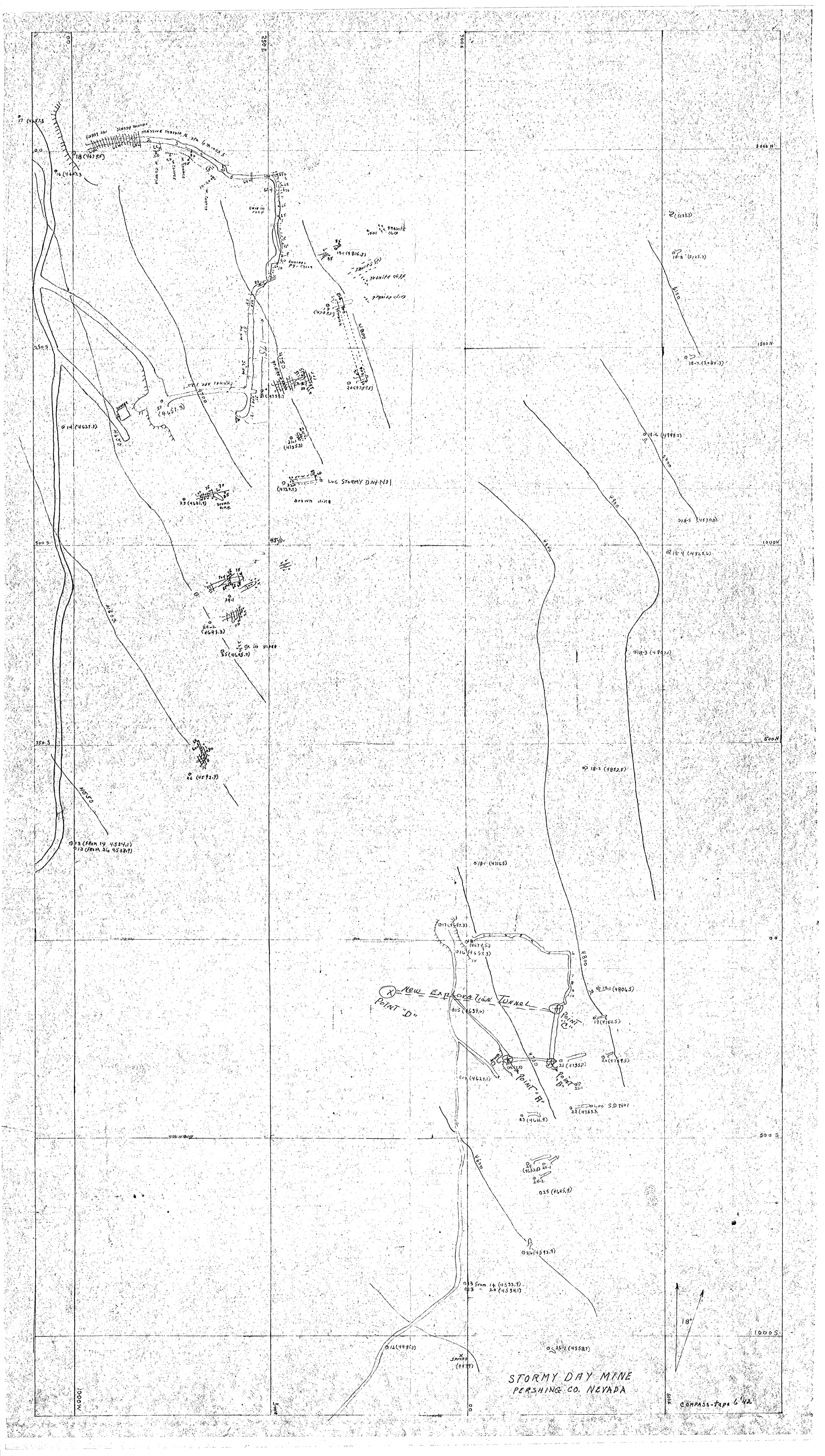
Notary Public in and for the
County of Washoe, State of Nevada.

STATE OF NEVADA,)
) ss.
COUNTY OF WASHOE,)

On this 31st day of July, 1951, personally appeared before me, a Notary Public in and for the said County of Washoe, JOHN B. MAYFIELD, known to me to be the person described in and who executed the foregoing instrument, who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the County of Washoe the day and year in this certificate first above written.

Notary Public in and for the
County of Washoe, State of Nevada.


STORMY DAY MINE
PERSHING CO. NEVADA
COMPASS-tape 6'42"
X = New Exploration Tunnel
Point "D"
Point "C"
Point "B"
Point "A"
Massive marble
Cave in roof
Brown dike
Lug STORMY DAY No 1
S.D No 1
Spring
18°
250 E
500 E
1000 E
1000 N
500 N
00
500 S
1000 S
1000 W